Open Source Used In Data Center Network Manager 11.5(1)

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 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 */

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  jar/org/springframework/scheduling/quartz/SpringBeanJobFactory.java
* /opt/ws_local/PERMITS_SQL/1091710466_1600571590.85/0/spring-context-support-4-0-2-release-sources-
  jar/org/springframework/ui/velocity/VelocityEngineUtils.java
* /opt/ws_local/PERMITS_SQL/1091710466_1600571590.85/0/spring-context-support-4-0-2-release-sources-
  jar/org/springframework/scheduling/quartz/CronTriggerFactoryBean.java
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  jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java
jar/org/springframework/cache/jcache/JCacheManagerFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1091710466_1600571590.85/0/spring-context-support-4-0-2-release-sources-jar/org/springframework/scheduling/quartz/QuartzJobBean.java
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  jar/org/apache/maven/plugin/descriptor/PluginDescriptor.java
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  jar/org/apache/maven/plugin/descriptor/MojoDescriptor.java
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  jar/org/apache/maven/plugin/descriptor/Requirement.java
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  jar/org/apache/maven/plugin/descriptor/DuplicateParameterException.java
* /opt/cola/permits/1001160460_1606843910.98/0/maven-plugin-descriptor-2-0-sources-1-
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1.21 jersey-entity-filtering 2.27

1.22 goprotobuf 1.2.0

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1.24 perl-srpm-macros 1-8.el7

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1.25 yum 3.4.3 163.el7.centos

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diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py2015-01-19 07:44:35.567107008 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
 except Errors.RepoMDError:
     continue # No metadata found for this repo

+ self.arch_storage = ArchStorage()
+ self.archlist = self.arch_storage.archlist
+
 def get_notices(self, name=None):
     """ Return all notices. """
     if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
             name = oldpkg[0]
             arch = oldpkg[1]
             ret = []
+             other_arch_list = []
+             notices = set()
+             for notice in self.get_notices(name):
+                 for upkg in notice[‘pkglist’]:
+                     for pkg in upkg[‘packages’]:
+                         other_arch = False
+                         if pkg[‘name’] != name or pkg[‘arch’] != arch:
+                             continue
if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
    other_arch = True
else:
    continue
pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
           pkg['version'], pkg['release'])
if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
    continue
-    ret.append((pkgtup, notice))
+    if other_arch:
+        other_arch_list.append((pkgtup, notice))
+    else:
+        ret.append((pkgtup, notice))
        notices.add(notice)
+    for pkgtup, notice in other_arch_list:
+        if notice not in notices:
+            ret.append((pkgtup, notice))
ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
return ret

diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
import logginglevels
import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):

diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org2017-01-24 18:55:03.529842775 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
     A single update notice (for instance, a security fix).
     
-    def __init__(self, elem=None):
+    def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from'             : '',
            'type'             : '',
            'name'             : name
@@ -83,6 +83,9 @@ class UpdateNotice(object):
        if elem:
            self._parse(elem)
+        self._repoid = repoid
self._vlogger = vlogger

    def __getitem__(self, item):
        """ Allows scriptable metadata access (ie: un['update_id']). """
        if type(item) is int:

        def _rid(un):
            if hasattr(un, '_repoid') and un._repoid is not None:
                return un._repoid
            else:
                return '<unknown>'

        def _log_failure(data):
            """Log the mismatched data similarly to conflict markers in git."""
            if self._vlogger is None:
                return
            msg = _('Duplicate of %s differs in some fields:
')
            msg %= other._md['update_id']
            msg += '<<<<<<< %s:%s
' % (_rid(other), data)
            msg += '%r
=======
%r
' % (other._md[data], self._md[data])
            msg += '>>>>>>> %s:%s' % (_rid(self), data)
            # --verbose mode enables this
            self._vlogger.log(logging.DEBUG_3, msg)

        if not other or not hasattr(other, '_md'):
            return False

        if data == 'status': # FIXME: See below...
            continue
        if self._md[data] != other._md[data]:
            _log_failure(data)
            return False
        # FIXME: Massive hack, Fedora is really broken and gives status=stable
        # and status=testing for updateinfo notices, just depending on which
        if other._md[data] not in ('stable', 'testing'):
            _log_failure(data)
            return False
        # They are both really "stable" ...

if data == 'status': # FIXME: See below...
    continue
if self._md[data] != other._md[data]:
    _log_failure(data)
    return False
# FIXME: Massive hack, Fedora is really broken and gives status=stable
# and status=testing for updateinfo notices, just depending on which
self._md[data] = 'stable'

@@ -574,7 +598,7 @@ class UpdateMetadata(object):
       for event, elem in safe_iterparse(infile, logger=self._logger):
           if elem.tag == 'update':
               try:
-               un = UpdateNotice(elem)
+               un = UpdateNotice(elem, repoid, self._vlogger)
           except UpdateNoticeException, e:
               msg = _('An update notice%s is broken, skipping.') % _rid(repoid)
               if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
               msg = _('Update notice %s%s is broken, or a bad duplicate, skipping.') % (un['update_id'],
               _rid(repoid))
               if not have_dup:
+               msg += _('You should report this problem to the owner of the %s repository. ') % _rid(repoid, '%s ')
+               msg += _('If you are the owner, consider re-running the same command with --verbose to see the ' +
                      'exact data that caused the conflict. ')
               have_dup = True
               if self._vlogger:
                   self._vlogger.warn("%s", msg)
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1.30 firewalld 0.6.3-8.el7_8.1

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1.34 jersey-client 2.12

1.35 bolt 0.7-1.el7

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 */

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*/
* /opt/cola/permits/1091710328_1607114528.61/0/spring-struts-3-0-7-release-sources-1-
  jar/org/springframework/web/struts/AutowiringRequestProcessor.java
* /opt/cola/permits/1091710328_1607114528.61/0/spring-struts-3-0-7-release-sources-1-
  jar/org/springframework/web/struts/DelegatingActionUtils.java
* /opt/cola/permits/1091710328_1607114528.61/0/spring-struts-3-0-7-release-sources-1-
  jar/org/springframework/web/struts/AutowiringTilesRequestProcessor.java
* /opt/cola/permits/1091710328_1607114528.61/0/spring-struts-3-0-7-release-sources-1-
  jar/org/springframework/web/struts/SpringBindingActionForm.java
* /opt/cola/permits/1091710328_1607114528.61/0/spring-struts-3-0-7-release-sources-1-
  jar/org/springframework/web/struts/DelegatingTilesRequestProcessor.java
No license file was found, but licenses were detected in source scan.

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 *
 */

Found in path(s):
**1.38 webswing-server-launcher 2.5-SNAPSHOT**

**1.38.1 Available under license:**

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Version 2.0, January 2004

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1.39 swagger-annotations 1.5.14

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 */

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */
```
@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

    /**
     * The name of the license.
     * @return the name of the license
     */
    String name();

    /**
     * An optional URL for the license.
     * @return an optional URL for the license.
     */
    String url() default "";
}

1.40 spring-boot-starter-json 2.2.2.RELEASE

1.40.1 Available under license:
No license file was found, but licenses were detected in source scan.

    <name>Apache License, Version 2.0</name>

Found in path(s):
    * /opt/ws_local/PERMITS_SQL/1068290349_1594347479.34/0/spring-boot-starter-json-2-2-2-release-sources-1-
        jar/META-INF/maven/org.springframework.boot/spring-boot-starter-json/pom.xml

1.41 kmod 20-25.el7_7.1

1.41.1 Available under license:
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1.51 javax-json-bind-api 1.0

1.52 python-chardet 2.2.1 3.el7

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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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
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linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

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

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
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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
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The Linux driver architecture was based on two modules, the MSF (Module specific functions) and the HCF (Hardware Control Functions). Included in the HCF is run-time firmware (binary format) which is downloaded into the RAM of the Hermes 1/2/2.5 WMAC.

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Hope this helps.

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Viren Pathare
Intellectual Property Licensing Manager
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There is no single upstream source for this package. IxNpeMicrocode.h was downloaded from http://git.hohnstaedt.de/ixp_npe/, and the microcode itself from http://downloadcenter.intel.com/ (search for "IPL_ixp400NpeLibrary-2_4.zip").

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The firmware was originally distributed by Zydas in their original driver package.

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The firmware was in it in the form of a large array in a header file.
The following XC500 firmware file "dvb-fe-xc5000-1.6.114.fw" was
created based on "xc5000_firmwares_32000Khz.h".

Firmware provided as part of an XC5000 Linux developers kit by Brian
Mathews <bmathews@xceive.com> to Devin Heitmueller <dheitmueller@linuxtv.org>
on July 1, 2009.

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Firmware provided by Patrick Boettcher <pboettcher@dibcom.fr> to Devin Heitmueller <dheitmueller@kernellabs.com> on October 8, 2009.

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* /opt/cola/permits/1110676931_1606843905.05/0/netty-buffer-4-1-24-final-sources-1-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java

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1.85 golang-protobuf-extensions v1.0.0

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1.86 commons-beanutils 1.8.3

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1.87 wildfly-elytron-keystore 1.11.2.Final

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

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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

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

------
Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1110675910_160684852_53/0/spring-jcl-5-1-6-release-sources-
jar/org/apache/commons/logging/Log.java
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jar/org/apache/commons/logging/LogFactory.java
* /opt/cola/permits/1110675910_1606843852_53/0/spring-jcl-5-1-6-release-sources-
jar/org/apache/commons/logging/LogAdapter.java
* /opt/cola/permits/1110675910_1606843852.53/0/spring-jcl-5-1-6-release-sources-
jar/org/apache/commons/logging/LogFactoryService.java
* /opt/cola/permits/1110675910_1606843852.53/0/spring-jcl-5-1-6-release-sources-
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* /opt/cola/permits/1110675910_1606843852.53/0/spring-jcl-5-1-6-release-sources-
jar/org/apache/commons/logging/iml/NoOpLog.java

1.92 jetty 9.3.9.v20160517
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* /opt/cola/permits/1001068468_1606843852.53/0/spring-jcl-5-1-6-release-sources-
jar/org/eclipse/jetty/server/session/SessionHandler.java
* /opt/cola/permits/1001068468_1606843852.53/0/spring-jcl-5-1-6-release-sources-
jar/org/eclipse/jetty/server/PushBuilderImpl.java
* /opt/cola/permits/1001068468_1606843852.53/0/spring-jcl-5-1-6-release-sources-
jar/org/eclipse/jetty/server/HttpInputOverHTTP.java
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/** Set the TCP/IP port used for CONFIDENTIAL and INTEGRAL redirections.
 * @param securePort the secure port to redirect to.
 */

/** Set the URI scheme used for CONFIDENTIAL and INTEGRAL redirections.
 * @param secureScheme A scheme string like "https"
 */

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* /opt/cola/permits/1001068468_1607107044.26/0/jetty-server-9-3-9-v20160517-sources-2-
jar/org/eclipse/jetty/server/HttpConfiguration.java

1.93 libarchive 3.3.3-7.el7.0atomix1

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1.94 go 1.15

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Adrien Petel <peteladrien@gmail.com>
Acio Jnior <aeciodantasjunior@gmail.com>
Aeneas Rekkas (arekkas) <aeneas@ory.am>
Afanasev Stanislav <sphpprogger@gmail.com>
Agis Anastasopoulos <agis.anast@gmail.com>
Agniva De Sarker <agnivade@yahoo.co.in>
Ahmed Wahed <oneofone@gmail.com>
Ahmet Alp Balkan <ahmetyb@google.com>
Ahmy Yulrizka <yulrizka@gmail.com>
Ahsun Ahmed <ahmed.ahsun@gmail.com>
Aiden Scandella <ai@uber.com>
Ainar Garipov <gугл.zadolbal@gmail.com>
Aishraj Dahal <aishraj@users.noreply.github.com>
Akhil Indurti <aindurti@gmail.com>
Akihiro Suda <suda.kyoto@gmail.com>
Akshat Kumar <seed@mail.nanosouffle.net>
Al Cutter <al@google.com>
Alan Braithwaite <alan@ipaddr.org>
Alan Donovan <adonovan@google.com>
Alan Shreve <alan@inconshreveable.com>
Albert Nigmatzianov <albertnigma@gmail.com>
Albert Strasheim <fullung@gmail.com>
Albert Teoh <albert.teoh@gmail.com>
Albert Yu <yukinying@gmail.com>
Alberto Bertoli <albertito@blitiri.com.ar>
Alberto Donizetti <alb.donizetti@gmail.com>
Alberto Garcia Hierro <alberto@garciahierro.com> <alberto.garcia.hierro@gmail.com>
Alec Benzer <alec.benzer@gmail.com>
Aleksa Sarai <cyphar@cyphar.com>
Aleksandar Dezelin <dezelin@gmail.com>
Aleksandr Lukinykh <a.lukinykh@xsolla.com>
Aleksandr Razumov <ar@cydev.ru>
Alekseev Artem <a.artem060@gmail.com>
Alessandro Arzilli <alessandro.arzilli@gmail.com>
Alessandro Baffa <alessandro.baffa@gmail.com>
Alex A Skinner <alex@lx.lc>
Alex Brainman <alex.brainman@gmail.com>
Alex Bramley <abramley@google.com>
Alex Browne <stephenalexbrowne@gmail.com>
Alex Buchanan <buchanae@gmail.com>
Alex Carol <alex.carol.c@gmail.com>
Alex Gaynor <alex@alloy.us>
Alex Harford <alex.harford@saucelabs.com>
Ayke van Laethem <aykevanlaethem@gmail.com>
Aymeric Jhanne <aymeric@jehanne.org>
Azat Kaumov <kaumov.a.r@gmail.com>
Baiju Muthukadan <baiju.m.mail@gmail.com>
Balaram Makam <bmakam.qdt@qualcommdatacenter.com>
Balazs Lecz <leczb@google.com>
Baokun Lee <nototon@gmail.com>
Barnaby Keene <accounts@southcla.ws>
Bartosz Grzybowski <melkorm@gmail.com>
Bartosz Oler <bortsz@google.com>
Bastian Ike <bastian.ike@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Hoyt <benhoyt@gmail.com>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
Ben Lynn <benlynn@gmail.com>
Ben Olive <sionide21@gmail.com>
Ben Schwartz <bemasc@google.com>
Ben Shi <powerman1st@163.com>
Ben Toews <mastahyeti@gmail.com>
Benjamin Black <b@b3k.us>
Benjamin Cable <cable.benjamin@gmail.com>
Benjamin Hsieh <tanookiben@users.noreply.github.com>
Benjamin Peterson <benjamin@python.org>
Benjamin Prosnitz <bprosnitz@google.com>
Benjamin Wester <bwester@squareup.com>
Benjamin Wuerthrich <benjamin.wuerthrich@gmail.com>
Benny Siegert <bsiegert@gmail.com>
Benoit Sigoure <tsunanet@gmail.com>
Berengar Lehr <Berengar.Lehr@gmx.de>
Berkant Ipek <41230766+0xbkt@users.noreply.github.com>
Bharath Thiruvedula <bharath91@gmail.com>
Bhavin Gandhi <bhavin7392@gmail.com>
Bill Neubauer <wcn@golang.org> <wcn@gmail.com> <bill.neubauer@gmail.com>
Bill O'Farrell <billo@ca.ibm.com>
Bill Prin <waprin@gmail.com>
Bill Thiede <couchmoney@gmail.com>
Bill Zissimopoulos <billziss@navimatics.com>
Billie Harold Cleek <bhcleek@gmail.com>
Billy Lynch <wlynch@google.com>
Billy Zaelani Malik <m.billyzaelani@gmail.com>
Bjrn Erik Pedersen <bjorn.erik.pedersen@gmail.com>
Bjorn Tillenius <bjorn@tillenius.me>
Bjorn Tipling <bjorn.tipling@gmail.com>
Blain Smith <rebelgeek@blainsmith.com>
Daniel Mangum <georgedanielmangum@gmail.com>
Daniel Mart <mvdan@mvdan.cc>
Daniel Morsing <daniel.morsing@gmail.com>
Daniel Nadasi <dnadasi@google.com>
Daniel Nephin <dnephin@gmail.com>
Daniel Ortiz Pereira da Silva <daniel.particular@gmail.com>
Daniel Skinner <daniel@dasa.cc>
Daniel Speichert <daniel@speichert.pl>
Daniel Theophanes <kardianos@gmail.com>
Daniel Upton <daniel@floppy.co>
Daniela Petruzalek <daniela.petruzalek@gmail.com>
Danish Dua <danishdua@google.com>
Danish Prakash <grafitykoncept@gmail.com>
Danny Rosseau <daniel.rosseau@gmail.com>
Daria Kolistratova <daria.kolistratova@intel.com>
Darien Raymond <admin@v2ray.com>
Darren Elwood <darren@textnode.com>
Darren Grant <darren.e.grant@gmail.com>
Darren McCleary <darren.rmc@gmail.com>
Darshan Parajuli <parajulidarshan@gmail.com>
Datong Sun <dndx@idndx.com>
Dave Borowitz <dborowitz@gmail.com>
Dave Bort <dbort@golang.org>
Dave Cheney <dave@cheney.net>
Dave Day <djd@golang.org>
Dave Grijalva <dgrijalva@ngmoco.com>
Dave MacFarlane <driusan@gmail.com>
Dave Russell <forfunsake@gmail.com>
David Anderson <danderson@gmail.com>
David Barnett <dbarnett@gmail.com>
David Benjamin <davidben@gmail.com>
David Bond <davidsbond93@gmail.com>
David Brophy <dave@brophy.uk>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
David Carter <fresco.raja@gmail.com>
David Chase <drchase@gmail.com>
David Covert <davidhcovert@gmail.com>
David Crawshaw <david.crawshaw@zentus.com> <crawshaw@gmail.com> <crawshaw@golang.org>
David du Colombier <ointro@gmail.com>
David Finkel <david.finkel@gmail.com>
David Forsythe <dforsythe@gmail.com>
David G. Andersen <dave.andersen@gmail.com>
David Glasser <glasser@meteor.com>
David Golden <david@autopragmatic.com>
David Heuschmann <heuschmann.d@gmail.com>
David Howden <dhowden@gmail.com>
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Eduard Urbach <e.urbach@gmail.com>
Eduardo Ramalho <eduardo.ramalho@gmail.com>
Eduardo Villaseor <evillasrmx@gmail.com>
Edward Muller <edwarddam@interlix.com>
Egon Elbre <egonelbre@gmail.com>
Ehren Kret <ehren.kret@gmail.com>
Eitan Adler <eitarianadler.com>
Eivind Uggedal <eivind@uggedal.com>
Elbert Fiek <efiek@gmail.com>
Eldar Rakhamberdin <ibeono@gmail.com>
Elena Grahovac <elena@grahovac.me>
Eli Bendersky <eliben@google.com>
Elias Naur <mail@eliasnaur.com> <elias.naur@gmail.com>
Elliot Morrison-Reed <elliotmr@gmail.com>
Ellison Leao <ellisonleao@gmail.com>
Emerson Lin <linyintor@gmail.com>
Emil Hessman <emil@hessman.se>
Emilien Mursalimov <mursalimovemeel@gmail.com>
Emilien Kenler <hello@emilienkenler.com>
Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>
Emre Can Bati <emreanbati@gmail.com>
Eno Compton <enocom@google.com>
Eoghan Sherry <ejsherry@gmail.com>
Eric Biggers <ebiggers@google.com>
Eric Brown <browne@vmware.com>
Eric Chiang <eric.chiang.m@gmail.com>
Eric Clark <zerohp@gmail.com>
Eric Daniels <eric@erdaniels.com>
Eric Engstrom <eric@engstrom.ch>
Eric Garrido <ekg@google.com>
Eric Koleda <ekoleda+devrel@gmail.com>
Eric Lagergren <ericscottlagergren@gmail.com>
Eric Milliken <emilliken@gmail.com>
Eric Pauley <eric@pauley.me>
Eric Ponce <tricokun@gmail.com>
Eric Rescorla <ekr@rtfm.com>
Eric Roshan-Eisner <eric.d.eisner@gmail.com>
Eric Rutherford <erutherford@gmail.com>
Eric Rykwaldner <e.rykwaldner@gmail.com>
Eric Tryzelaar <etryzelaar@google.com>
Erik Aigner <aigner.erik@gmail.com>
Erik Dubbelboer <erik@dubbelboer.com>
Erik St. Martin <alakriti@gmail.com>
Erik Staab <estaab@gmail.com>
Erik Westrup <erik.westrup@gmail.com>
Erin Masatsugu <erin.masatsugu@gmail.com>
Ernest Chiang <ernest_chiang@htc.com>
Erwin Oegema <blablaechthema@hotmail.com>
George Gkirtsou <ggirtsou@gmail.com>
George Hartzell <hartzell@alerce.com>
George Shammas <george@shamm.as> <georgy@gmail.com>
Gerasimos (Makis) Maropoulos <kataras2006@hotmail.com>
Gerasimos Dimitriadis <gedimm@gmail.com>
Gergely Brautigam <skarlo777@gmail.com>
Gernot Vormayr <gvormayr@gmail.com>
Gert Cuykens <gert.cuykens@gmail.com>
Getulio Sneež <valentin2507@gmail.com>
Ghazni Nattarshah <ghazni.nattarshah@gmail.com>
Gianguido Sora` <g.sora4@gmail.com>
Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com>
Giles Lean <giles.lean@pobox.com>
Giovanni Bajo <rasky@develer.com>
GitHub User @aca (50316549) <acadx0@gmail.com>
GitHub User @ajnirp (1688456) <ajnirp@users.noreply.github.com>
GitHub User @ajz01 (4744634) <ajzdenek@gmail.com>
GitHub User @alkesh26 (1019076) <alkesh26@gmail.com>
GitHub User @andig (184815) <cpuidle@gmx.de>
GitHub User @andrius4669 (4699695) <andrius4669@gmail.com>
GitHub User @as (8127015) <as.utf8@gmail.com>
GitHub User @bakape (7851952) <bakape@gmail.com>
GitHub User @bgadrian (830001) <aditza8@gmail.com>
GitHub User @bontequero (2674999) <bontequero@gmail.com>
GitHub User @cc123 (384546) <buaua.cch@gmail.com>
GitHub User @chainhelen (7046329) <chainhelen@gmail.com>
GitHub User @chanxuehong (3416908) <chanxuehong@gmail.com>
GitHub User @cnctal (23520240) <flycalvin@qq.com>
GitHub User @DQNEO (188741) <dqueeo@gmail.com>
GitHub User @Dreamacro (8615343) <chuainian@gmail.com>
GitHub User @dupoxy (1143957) <dupoxy@users.noreply.github.com>
GitHub User @erifan (31343225) <eric.fang@arm.com>
GitHub User @esell (9735165) <eujon.sellers@gmail.com>
GitHub User @fatedier (7346661) <fatedier@gmail.com>
GitHub User @frenkie (6499251) <mail@rhab.de>
GitHub User @geechchin (11672310) <geechchin@gmail.com>
GitHub User @GrigoriyMikhalkin (3637857) <grigoriymikhalkin@gmail.com>
GitHub User @hengwu0 (41297446) <41297446+hengwu0@users.noreply.github.com>
GitHub User @itchyny (375258) <itchyny@hatena.ne.jp>
GitHub User @jimmaiaolu (39730824) <jimmaiaolu@icloud.com>
GitHub User @jopbrown (6345470) <ssshane2008@gmail.com>
GitHub User @kazyssh (30496953) <kazyssh0301@gmail.com>
GitHub User @kc1212 (1093806) <kc1212@users.noreply.github.com>
GitHub User @Kropekk (13366453) <kamilkropiewnicki@gmail.com>
GitHub User @linguohua (3434367) <lghchinaidea@gmail.com>
GitHub User @LotusFenn (13775899) <fenn.lotus@gmail.com>
GitHub User @ly303550688 (11519839) <yang.liu636@gmail.com>
GitHub User @madiganz (18340029) <zacharywmadigan@gmail.com>
GitHub User @maltalex (10195391) <code@bit48.net>
GitHub User @Matts966 (28551465) <Matts966@users.noreply.github.com>
GitHub User @micnncim (21333876) <micnncim@gmail.com>
GitHub User @mkishere (224617) <224617+mkishere@users.noreply.github.com>
GitHub User @nu50218 (40682920) <nu_11@icloud.com>
GitHub User @OlgaVPetrova (44112727) <OVPpetrova@gmail.com>
GitHub User @pityonline (438222) <pityonline@gmail.com>
GitHub User @po3rin (29445112) <abctail30@gmail.com>
GitHub User @pokutuna (57545) <popopopokutuna@gmail.com>
GitHub User @pytimer (17105586) <lixin20101023@gmail.com>
GitHub User @ramenjuniti (32011829) <ramenjuniti@gmail.com>
GitHub User @sairunreddy (21041941) <sairunreddypalla@gmail.com>
GitHub User @shogo-ma (9860598) <Choroma194@gmail.com>
GitHub User @skanehira (7888591) <sho19921005@gmail.com>
GitHub User @tatsumack (4510569) <tatsu.mack@gmail.com>
GitHub User @tell-k (26263) <ffk2005@gmail.com>
GitHub User @tennashi (10219626) <tennashio@gmail.com>
GitHub User @uhei (2116845) <uhei@users.noreply.github.com>
GitHub User @uropek (39370426) <uropek@gmail.com>
GitHub User @utkarsh-extc (53217283) <utkarsh.extc@gmail.com>
GitHub User @witchard (4994659) <witchard@hotmail.co.uk>
GitHub User @yah01 (12216890) <kagaminehuan@gmail.com>
GitHub User @yuanhh (1298735) <yuan415030@gmail.com>
GitHub User @zikaeroh (48577114) <zikaeroh@gmail.com>
GitHub User @ZZMarquis (7624583) <zhonglingjian3821@163.com>
Giulio Iotti <dullgiulio@gmail.com>
Giulio Micheloni <giulio.micheloni@gmail.com>
Giuseppe Valente <gvalente@arista.com>
Gleb Stepanov <glebstepanov1992@gmail.com>
Glenn Brown <gleennb@gmail.com>
Glenn Lewis <gmlewis@google.com>
Gordon Klaus <gordon.klaus@gmail.com>
Gordon Tyler <gordon@doxxx.net>
Graham King <graham4king@gmail.com>
Graham Miller <graham.miller@gmail.com>
Grant Griffiths <gpp493@gmail.com>
Greg Poirier <greg.istehbest@gmail.com>
Greg Steuck <gnezdo+github@gmail.com>
Greg Thelen <gthelen@gmail.com>
Greg Ward <greg@gerg.ca>
Grgoire Delattre <gregoire.delattre@gmail.com>
Gregory Man <man.gregory@gmail.com>
Gregory Petrosyan <gregory.petrosyan@gmail.com>
Guilherme Caruso <gui.martinscaruso@gmail.com>
Guilherme Garnier <guilherme.garnier@gmail.com>
Guilherme Goncalves <guilhermeaugustosg@gmail.com>
Guilherme Rezende <guilhermebr@gmail.com>
Guillaume J. Charmes <guillaume@charmes.net>
James Smith <jrs1995@icloud.com>
James Sweet <james.sweet88@googlemail.com>
James Toy <nil@opensesame.st>
James Treanor <jtreamor3@gmail.com>
James Tucker <raggi@google.com>
James Whitehead <jnwhiteh@gmail.com>
Jamie Beverly <jamie.r.beverly@gmail.com>
Jamie Gennis <jgennis@gmail.com> <jgennis@gmail.com>
Jamie Kerr <jkerr113@gmail.com>
Jamie Liu <jamieliu@gmail.com>
Jamie Stackhouse <contin673@gmail.com>
Jamie Turner <janwt@dropbox.com>
Jamie Wilkinson <jaq@spacepants.org>
Jamil Djadala <djadala@gmail.com>
Jan Berktold <jan@berktold.co>
Jan H. Hosang <jan.hosang@gmail.com>
Jan Kratochvil <jan.kratochvil@redhat.com>
Jan Lehhardt <jan@apache.org>
Jan Mercle <0xjnml@gmail.com> <befelemepeseveze@gmail.com>
Jan Newmarch <jan.newmarch@gmail.com>
Jan Pilzer <jan.pilzer@gmx.de>
Jan Steinke <jan.steinke@gmail.com>
Jan Ziak <0xe2.0x9a.0x9b@gmail.com>
Jani Moneses <jani.moneses@ubuntu.com> <jani.moneses@gmail.com>
Jannis Andrija Schnitzer <jannis@schnitzer.im>
Jared Allard <jaredallard@users.noreply.github.com>
Jared Culp <jculp14@gmail.com>
Jaroslavas Poepko <jp@webmaster.ms>
Jason A. Donenfeld <Jason@zx2c4.com>
Jason Baker <jason-baker@users.noreply.github.com>
Jason Barnett <jason.w.barnett@gmail.com>
Jason Buberel <jbuberel@gmail.com>
Jason Chu <jasonchujc@gmail.com>
Jason Del Ponte <delpontej@gmail.com>
Jason Hall <jasonhall@google.com>
Jason Keene <jasonkeene@gmail.com>
Jason LeBrun <jblebrun@gmail.com>
Jason Smale <jsmale@zendesk.com>
Jason Travis <infomaniac7@gmail.com>
Jason Wangsadinata <jwangsadinata@gmail.com>
Javier Kohen <jkohen@google.com>
Javier Revillas <jrevillas@massivedynamic.io>
Javier Segura <javism@gmail.com>
Jay Conrod <jayconrod@google.com>
Jay Taylor <outtatime@gmail.com>
Jay Weisskopf <jay@jayschwa.net>
Jean de Klerk <deklerk@gmail.com>
Jean-Andr Santoni <jean.andre.santoni@gmail.com>
Jean-François Bustarret <jf@bustarret.com>
Jean-François Cantin <jfcantin@gmail.com>
Jean-Marc Eurin <jmeurin@google.com>
Jean-Nicolas Moal <jn.moal@gmail.com>
Jed Denlea <jed@fastly.com>
Jdrzej Szczepaniak <jbszczepaniak@gmail.com>
Jeet Parekh <jeetparekh96@gmail.com>
Jeevanandum M <jeeva@myjeeva.com>
Jeff (Zhefu) Jiang <jeffjiang@gmail.com>
Jeff Craig <jeffcraig@gmail.com>
Jeff Dupont <jeff.dupont@gmail.com>
Jeff Hodges <jeff@something_similar.com>
Jeff Johnson <jjohnson@gmail.com>
Jeff R. Allen <jra@nella.org> <jeff.allen@gmail.com>
Jeff Sickel <jas@corpus-callosum.com>
Jeff Wendling <jeff@spacemonkey.com>
Jeffrey H <jfreyh192@gmail.com>
Jelte Fennema <github-tech@jeltef.nl>
Jens Frederich <jfrederich@gmail.com>
Jeremiah Harmsen <jeremiahh@gmail.com>
Jeremy Banks <_@jeremy.ca>
Jeremy Canady <jcanady@gmail.com>
Jeremy Faller <jeremy@golang.org>
Jeremy Jackins <jeremyjackins@gmail.com>
Jeremy Jay <jeremy@pbnjay.com>
Jeremy Schlatter <jeremy.schlatter@gmail.com>
Jeroen Bobbeldijk <jebob92@gmail.com>
Jeroen Simonetti <jeroen@Simonetti.nl>
Jerrin Shaji George <jerrinsg@gmail.com>
Jess Frazelle <me@jessfraz.com>
Jesse Szwedko <jesse.szwedko@gmail.com>
Jess Espino <jespinog@gmail.com>
Jia Zhan <jzhan@uber.com>
Jiacai Liu <jiacai2050@gmail.com>
Jianing Yu <jnyu@gmail.com>
Jianqiao Li <jianqiaoli@gmail.com>
Jie Ma <jenius@outlook.com>
Jihyun Yu <yjh0502@gmail.com>
Jim Cote <jfjote87@gmail.com>
Jim Kingdon <jim@bolt.me>
Jim McGrath <jimmc2@gmail.com>
Jim Minter <jminter@redhat.com>
Jimmy Frasche <soapboxxicero@gmail.com>
Jimmy Zelinski <jimmyzelinski@gmail.com>
Jin-wook Jeong <jeweljar@hanmail.net>
Jingcheng Zhang <diogin@gmail.com>
Jingguo Yao <yaojingguo@gmail.com>
Jingnan Si <jingnan.si@gmail.com>
Katharine Berry <ktbry@google.com>
Katie Hockman <katie@golang.org>
Kato Kazuyoshi <kato.kazuyoshi@gmail.com>
Katrina Owen <katrina.owen@gmail.com>
Kaviraj Kanagaraj <kavirajkanagaraj@gmail.com>
Kay Zhu <kayzhu@gmail.com>
Kazuhiro Sera <seratch@gmail.com>
KB Sriram <kbsriram@google.com>
Keegan Carruthers-Smith <keegan.csmith@gmail.com>
Kei Son <hey.calmdown@gmail.com>
Keiji Yoshida <keijiyoshida.mail@gmail.com>
Keisuke Kishimoto <keisuke.kishimoto@gmail.com>
Keith Ball <inflatablewoman@gmail.com>
Keith Randall <khr@golang.org>
Keith Rarick <kr@xph.us>
Kelly Heller <pestophagous@gmail.com>
Kelsey Hightower <kelsey.hightower@gmail.com>
Kelvin Foo Chuan Lyi <vmirage@gmail.com>
Ken Friedenbach <kenliz@cruzio.com>
Ken Rockot <ken@oz.gs> <ken.rockot@gmail.com>
Ken Sedgwick <ken@bonsai.com>
Ken Thompson <ken@golang.org>
Kenichi Tsunokawa <kenichi.tsunokawa@gmail.com>
Kenji Kaneda <kenji.kaneda@gmail.com>
Kenji Yano <kenji.yano@gmail.com>
Kenneth Shaw <kenshaw@gmail.com>
Kenny Grant <kennygrant@gmail.com>
Kenta Mori <zoncoen@gmail.com>
Kerollos Magdy <kerolloz@yahoo.com>
Ketan Parmar <ketanbparmar@gmail.com>
Kevan Swanberg <kevswanberg@gmail.com>
Kevin Ballard <kevin@sb.org>
Kevin Burke <kev@inburke.com>
Kvin Dunglas <dunglas@gmail.com>
Kevin Gillette <extemporalgenome@gmail.com>
Kevin Kirsche <kev.kirsche@gmail.com>
Kevin Klues <klueska@gmail.com> <klueska@gmail.com>
Kevin Malachowski <chowski@google.com>
Kevin Ruffin <kruffin@gmail.com>
Kevin Vu <kevin.m.vu@gmail.com>
Kevin Zita <bleedgreenandgold@gmail.com>
Keyan Pishdadian <kipishdadian@gmail.com>
Kezhu Wang <kezhuw@gmail.com>
Khosrow Moossavi <khos2ow@gmail.com>
Kieran Colford <kieran@kcolford.com>
Kim Shrier <kshrier@racktopsystems.com>
Kim Yongbin <kybinz@gmail.com>
Kir Kolyshkin <kolyshkin@gmail.com>
Mihai Moldovan <ionic@ionic.de>
Mihai Todor <todormihai@gmail.com>
Mihail Minaev <minaev.mike@gmail.com>
Mikael Tillenius <mikti42@gmail.com>
Mike Andrews <mra@xoba.com>
Mike Appleby <mike@app.ley.org>
Mike Danese <mikedianese@google.com>
Mike Houston <mike@kothar.net>
Mike Kabischev <kabischev@gmail.com>
Mike Rosset <mike.roset@gmail.com>
Mike Samuel <mikesamucl@gmail.com>
Mike Solomon <msolo@gmail.com>
Mike Strosaker <strosake@us.ibm.com>
Mike Tsao <mike@sowbug.com>
Mike Wiacek <mjwiacek@google.com>
Mikhail Fesenko <progsgga@gmail.com>
Mikhail Gusarov <dottedmag@dottedmag.net>
Mikhail Panchenko <m@mihasya.com>
Miki Tebeke <miki.tebeka@gmail.com>
Mikio Hara <mikioh.mikioh@gmail.com>
Mikkel Krautz <mikkel@krautz.dk> <krautz@gmail.com>
Mikoaj Baranowski <mikolajb@gmail.com>
Milan Knezevic <milan.knezevic@mips.com>
Milan Patel <bicelot3@gmail.com>
Milutin Jovanovic <jovanovic.milutin@gmail.com>
MinJae Kwon <mingrammer@gmail.com>
Miquel Sabat Sol <mikisabate@gmail.com>
Mirko Hansen <baaazen@gmail.com>
Miroslav Genov <mgenov@gmail.com>
Misty De Meo <mistydemeo@gmail.com>
Mohit Agarwal <mohit@sdf.org>
Mohit kumar Bajoria <mohitbajo36@gmail.com>
Mohit Verma <vmohit.93@gmail.com>
Momchil Velikov <momchil.velikov@gmail.com>
Monis Khan <nkhan@redhat.com>
Monty Taylor <mordred@inaugust.com>
Moritz Fain <moritz@fain.io>
Moriyoshi Koizumi <mozo@mozo.jp>
Morten Siebuhr <sbhr@sbhr.dk>
Mshe van der Sterre <moshevdvs@gmail.com>
Mostyn Bramley-Moore <mostyn@antipode.se>
Mrunal Patel <mrunalp@gmail.com>
Muhammad Falak R Wani <falakreyaz@gmail.com>
Muhammed Uluyol <uluyol0@gmail.com>
Muir Manders <muir@mnd.rs>
Mukesh Sharma <sharma.mukesh439@gmail.com>
Mura Li <mura_li@castech.com.tw>
Mykhailo Lesyk <mikhail@lesyk.org>
Piers <google@hellowpiers.pro>
Pieter Droogendijk <pieter@binky.org.uk>
Pietro Gagliardi <pietro10@mac.com>
Piyush Mishra <piyush@codeitout.com>
Plekhanov Maxim <kishtatix@gmail.com>
Polina Osadcha <polliosa@gmail.com>
Pontus Leitzler <leitzler@gmail.com>
Povilas Versockas <p.versockas@gmail.com>
Prasanga Siripala <pj@pjeb.com.au>
Prasanna Swaminathan <prasanna@mediamath.com>
Prashant Agrawal <prashant.a.vjti@gmail.com>
Prashant Varanasi <prashant@prashantv.com>
Praveen Kumar <praveen+git@kumar.in>
Pravendra Singh <hackpravj@gmail.com>
Preetam Jinka <pj@preet.am>
Pure White <wu.purewhite@gmail.com>
Qais Patankar <qaisjp@gmail.com>
QiuXuan Zhu <iish1022@gmail.com>
Quan Tran <qeed.quan@gmail.com>
Quan Yong Zhai <qyzhai@gmail.com>
Quentin Perez <qperez@ocs.online.net>
Quentin Renard <contact@asticode.com>
Quentin Smith <quentin@golang.org>
Quey-Liang Kao <s101062801@m101.nthu.edu.tw>
Quinn Slack <sqsourcegraph.com>
Quinten Yearsley <qyearsley@chromium.org>
Quoc-Viet Nguyen <afelion@gmail.com>
Radek Sohlich <sohlich@gmail.com>
Radu Berinde <radu@cockroachlabs.com>
Rafal Jeczalik <rjecczalik@gmail.com>
Raghavendra Nagaraj <jamdagni86@gmail.com>
Rahul Chaudhry <rahulchaudhry@chromium.org>
Raif S. Naffah <go@naffah-raif.name>
Rajat Goel <rajat.goel2010@gmail.com>
Rajath Agasthya <rajathagasthya@gmail.com>
Rajender Reddy Kompally <rajenderreddy@kompally@gmail.com>
Ralph Corderoy <ralph@inputplus.co.uk>
Ramazan AYYILDIZ <rayyildiz@gmail.com>
Ramesh Dharan <dharan@google.com>
Raph Leiven <raph@google.com>
Raphael Geronimi <raphael.geronimi@gmail.com>
Raul Silvera <rsilvera@gmail.com>
Ravil Bikkulatov <weeellz12@gmail.com>
RaviTeja Pothana <ravi.teju@gmail.com>
Ray Tung <rtung@thoughtworks.com>
Raymond Kazlauskas <raima220@gmail.com>
Rebecca Stamblter <rstambler@golang.org>
Reilley Watson <reillywatson@gmail.com>
Salmn Aljammz <s@0x65.net>
Sam Arnold <sarnold64@bloomberg.net>
Sam Boyer <tech@samboyer.org>
Sam Chen <chenxsan@ibm.com>
Sam Cross <samgcdev@gmail.com>
Sam Ding <samding@ca.ibm.com>
Sam Hug <samuel.b.hug@gmail.com>
Sam Thorogood <thorogood@google.com> <sam.thorogood@gmail.com>
Sam Whited <sam@samwhited.com>
Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>
Sami Commerot <sami@google.com>
Sami Pnknen <sami.ponkanen@gmail.com>
Samuel Kelemen <SCKelemen@users.noreply.github.com>
Samuel Tan <samultan@gmail.com>
Samuele Pedroni <pedronis@lucediurna.net>
Sander van Harmelen <sander@vanharmelen.nl>
Sanjay Menakuru <balasanjay@gmail.com>
Santhosh Kumar Tekuri <santhosh.tekuri@gmail.com>
Sarah Adams <shadams@gmail.com>
Sardorbek Pulatov <sardorbek.pulatov@outlook.com>
Sascha Brawer <sascha@brawer.ch>
Sasha Lionheart <lionhearts@gmail.com>
Sasha Sobol <sasha@scaledinference.com>
Scott Barron <scott.barron@github.com>
Scott Bell <scott@sctsm.com>
Scott Crunkleton <crunk1@gmail.com>
Scott Ferguson <scottwferg@gmail.com>
Scott Lawrence <bytbox@gmail.com>
Scott Mansfield <smansfield@netflix.com>
Scott Ragan <ragansa@fb.com>
Scott Schwartz <scotts@golang.org>
Scott Van Woudenberg <scottie@gmail.com>
Sean Burford <sburford@gmail.com>
Sean Chen <oohcode@gmail.com>
Sean Chittenden <seanc@joyent.com>
Sean Christopherson <sean.j.christopherson@intel.com>
Sean Dolphin <Sean.Dolphin@kpcompass.com>
Sean Harger <sharger@gmail.com>
Sean Liao <seankhliao@gmail.com>
Sean Rees <sean@erifax.org>
Sebastiaan van Stijn <github@gone.nl>
Sebastian Chlopecki <sebsebmc@gmail.com>
Sebastian Kinne <skinne@gmail.com>
Sebastian Schmidt <yath@gmail.com>
Sebastien Binet <seb.binet@gmail.com>
Sebastien Paolacci <sebastien.paolacci@gmail.com>
Sebastien Williams-Wynn <sebastien@cytora.com>
Segev Finer <segev208@gmail.com>
Seiji Takahashi <timaki.st@gmail.com>
Sergei Lemeshkin <sergeilem@gmail.com>
Sergei Skorobogatov <skorobo@rambler.ru>
Sergei Zagurskii <gvozdoder@gmail.com>
Sergey 'Snake' Gromov <snake.scaly@gmail.com>
Sergey Arseev <sergey.arseev@intel.com>
Sergey Dobrodey <sergey.dobrodey@synesis.ru>
Sergey Frolov <sfrolov@google.com>
Sergey Glushchenko <gsergey@gmail.com>
Sergey Ivanov <ser1325@gmail.com>
Sergey Lukjanov <me@slukjanov.name>
Sergey Mishin <sergeymishine@gmail.com>
Sergey Mudrik <sergey.mudrik@gmail.com>
Sergey Semin <gray12511@gmail.com>
Sergey Yanykin <syanykin@ozon.ru>
Sergio Luis O. B. Correia <sergio@correia.cc>
Sergiusz Bazanski <bazanski@gmail.com>
Serhat Giydiren <serhatgiydiren@gmail.com>
Serhii Aheienko <serhii.aheienko@gmail.com>
Seth Hoenig <seth.a.hoenig@gmail.com>
Seth Vargo <sethvargo@gmail.com>
Shahar Kohanim <skohanim@gmail.com>
Shamil Garatuev <garatuev@gmail.com>
Shane Hansen <shanemhansen@gmail.com>
Shang Jian Ding <sdjing3@ncsu.edu>
Shaozhen Ding <dsz0111@gmail.com>
Shaquille Wyan Que <shaqquyen@gmail.com>
Shaun Dunning <shaun.dunning@uservoice.com>
Shawn Elliott <selliott@microsoft.com>
Shawn Ledbetter <sledbetter@google.com>
Shawn Smith <shawn.p.smith@gmail.com>
Shawn Walker-Salas <shawn.walker@oracle.com>
Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>
Shengjing Zhu <zsj950618@gmail.com>
Shengyu Zhang <shengyu.zhang@chaitin.com>
Shi Han Ng <shihanng@gmail.com>
Shijie Hao <shaormj@gmail.com>
Shinji Tanaka <shinjitanaka@gmail.com>
Shintaro Kaneko <kaneshin0120@gmail.com>
Shivakumar GN <shivakumar.gn@gmail.com>
Shivani Singhal <shivani.singhal2804@gmail.com>
Shivansh Rai <shivansh@freebsd.org>
Shivashis Padhi <shivashispadhi@gmail.com>
Shubham Sharma <shubham.sha12@gmail.com>
Shun Fan <sfan@google.com>
Silvan Jegen <s.jegen@gmail.com>
Simarpreet Singh <simar@linux.com>
Simon Drake <simondrake1990@gmail.com>
Simon Ferquel <simon.ferquel@docker.com>
Simon Jefford <simon.jefford@gmail.com>
Simon Rawet <simon@rawet.se>
Simon Rozman <simon@rozman.si>
Simon Thulbourn <simon+github@thulbourn.com>
Simon Whitehead <chemnova@gmail.com>
Sina Siadat <siadat@gmail.com>
Sjoerd Siebinga <sjoerd.siebinga@gmail.com>
Sokolov Yura <funny.falcon@gmail.com>
Song Gao <song@gao.io>
Soojin Nam <jsunam@gmail.com>
Sren L. Hansen <soren@linux2go.dk>
Spencer Kocot <spencerkocot@gmail.com>
Spencer Nelson <s@spenczar.com>
Spencer Tung <spencertung@google.com>
Spring Mc <heresy.mc@gmail.com>
Srdjan Petrovic <spetrovic@google.com>
Sridhar Venkatakrishnan <sridhar@laddoo.net>
Srinidhi Kaushik <shrinidhi.kaushik@gmail.com>
StalkR <stalkr@stalkr.net>
Stan Schwerty <stan@schwertly.com>
Stanislav Afanasev <php.progger@gmail.com>
Steeve Morin <steeve.morin@gmail.com>
Stefan Baebler <staebler@outbrain.com>
Stefan Nilsson <snilsson@nada.kth.se> <trolleriprofessorn@gmail.com>
Stepan Shabalini <neverliberty@gmail.com>
Stephan Renatus <srenatus@chef.io>
Stephan Zuercher <zuercher@gmail.com>
Stphane Travostino <stephane.travostino@gmail.com>
Stephen Lewis <stephen@sock.org.uk>
Stephen Lu <steuhs@users.noreply.githubusercontent.com>
Stephen Ma <stephennm@golang.org>
Stephen McQuay <stephen@mcquay.me>
Stephen Searles <stephens2424@gmail.com>
Stephen Weinberg <stephen@q5comm.com>
Steve Francia <spf@golang.org>
Steve Gilbert <stevegilbert23@gmail.com>
Steve LoFurno <slofurno@gmail.com>
Steve McCoy <mccoyst@gmail.com>
Steve Mynott <steve.mynott@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimisteve@gmail.com>
Steve Streeter <steve@stevestreeting.com>
Steven Buss <sbus@google.com>
Steven Elliot Harris <seharris@gmail.com>
Steven Erenst <stevenerenst@gmail.com>
Steven Hartland <steven.hartland@multiplay.co.uk>
Steven Littiebrant <imgroxx@gmail.com>
Thanabodee Charoenpiriyakij <wingyminus@gmail.com>
Thanatat Tamtan <acoshift@gmail.com>
The Hatsune Daishi <naro20010128@gmail.com>
Thiago Avelino <t@avelino.xxx>
Thiago Fransosi Farina <thiago.farina@gmail.com> <tfarina@chromium.org>
Thomas Alan Copeland <talan.copeland@gmail.com>
Thomas Bonfort <thomas.bonfort@gmail.com>
Thomas Bouldin <inlined@google.com>
Thomas Bruyelle <thomas.bruyelle@gmail.com>
Thomas Bushnell, BSG <tbushnell@google.com>
Thomas de Zeeuw <thomasdezeeuw@gmail.com>
Thomas Desrosiers <thomasdesr@gmail.com>
Thomas Habets <habets@google.com>
Thomas Kappler <tkappler@gmail.com>
Thomas Meson <zllak@hycik.org>
Thomas Symborski <thomas.symborski@gmail.com>
Thomas Wanielista <tomwans@gmail.com>
Thorben Krueger <thorben.krueger@gmail.com>
Thordur Bjornsson <thorduri@secnorth.net>
Tiago Queiroz <contato@tiago.eti.br>
Tianji Wu <the729@gmail.com>
Tianon Gravi <admwiggin@gmail.com>
Tilman Dilo <tilman.dilo@gmail.com>
Tim Cooijmans <timcooijmans@gmail.com>
Tim Cooper <tim.cooper@layeh.com>
Tim Ebringer <tim.ebringer@gmail.com>
Tim Heckman <t@heckman.io>
Tim Henderson <tim.tadh@gmail.com>
Tim Hockin <thockin@gmail.com>
Tim Mhlmann <muhlemmer@gmail.com>
Tim Swast <swast@gmail.com>
Tim Wright <tenortim@gmail.com>
Tim Xu <xiaoxubeii@gmail.com>
Timmy Douglas <timmyd983@gmail.com>
Timo Savola <timo.savola@gmail.com>
Timo Truyts <alkaloid.btx@gmail.com>
Timothy Studd <tim@timstudd.com>
Tipp Moseley <tipp@dieese.com>
Tobias Assarsson <tobias.assarsson@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@gmail.com>
Tobias Klauser <tklauser@distanz.ch>
Toby Burress <kurin@gmail.com>
Todd Kulesza <tkulesza@gmail.com>
Todd Neal <todd@tmeul.org>
Todd Wang <toddwang@gmail.com>
Tom Anthony <git@tomAnthony.co.uk>
Tom Bergan <tombergan@gmail.com>
Tom Heng <zhm20070928@gmail.com>
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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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1.116 javax-ws-rs-api 2.0-m10

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1.141 opensaml-xacml-saml-api 3.3.0
1.142 cast 1.1.0

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1.143 elasticsearch-core 6.8.5

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* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/util/DigestUtils.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/ZoneIdToTimeZoneConverter.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/util/backoff/BackOffExecution.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/env/ConfigurablePropertyResolver.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/env/CommandLineArgs.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/EnumToStringConverter.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/ConfigurableObjectInputStream.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/env/PropertyResolver.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/objenesis/SpringObjenesis.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/util/PropertiesPersister.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/EnumToIntegerConverter.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/type/filter/TypeFilter.java
* /opt/cola/permits/1106765976_1606843138.48/0/spring-core-5-1-4-release-sources-1-
No license file was found, but licenses were detected in source scan.

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 */

Found in path(s):
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/ArrayToStringConverter.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/cglib/core/SpringNamingPolicy.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/converter/ConditionalConverter.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/ObjectToStringConverter.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/env/MapPropertySource.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/env/PropertiesPropertySource.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1.jar/org/springframework/core/convert/support/StringToCollectionConverter.java
No license file was found, but licenses were detected in source scan.

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 *
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 * limitations under the License.
 */

Found in path(s):
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1-jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
* /opt/cola/permits/1110676767_1606843138.48/0/spring-core-5-1-4-release-sources-1-jar/org/springframework/core/convert/support/PropertiesToStringConverter.java

1.150 gstreamer 1.10.4-2.el7
1.150.1 Available under license:

This part of the FAQ is based on a series of questions we asked the FSF to understand how the GPL works and how patents affects the GPL. These questions were answered by the FSF lawyers, so we view them as the final interpretation on how the GPL and LGPL interact with patents in our opinion. This consultancy was paid for by Fluendo in order to obtain clear and quotable answers. These answers were certified by the FSF lawyer team and verified by FSF lawyer and law professor Eben Moglen.

Can someone distribute the combination of GStreamer, the LGPL library, MyPlayer, a GPL playback application, and the binary-only Sorenson decoder together in one distribution/operating system? If not, what needs to be changed to make this possible?

This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.

If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can't get around the GPL just by including a LGPL bit in the middle.
Note: MyPlayer is a completely fictitious application at the time of writing.

Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.

If a program released under the GPL uses a library that is LGPL, and this library can dlopen plug-ins at runtime, what are the requirements for the license of the plug-in?

You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.

Can someone in a country that does not have software patents distribute
code covered by US patents under the GPL to people in, for example, Norway? If he/she visits the US, can he/she be arrested?
</para>
</question>

<answer>

<para>
Yes, he can.
No, there are no criminal penalties for patent infringement in the US.
</para>
</answer>

<qandaentry>

<question id="legal-unsafe-countries">

<para>
Can someone from the US distribute software covered by US patents under the GPL to people in Norway? To people in the US?
</para>
</question>

<answer>

<para>
This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement.
The US government is empowered to refuse importation of patent infringing devices, including software.
</para>
</answer>

<qandaentry>

<question id="legal-gpl-library-patents">

<para>
There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?
</para>
</question>

<answer>

<para>
The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.
</para>
</answer>
The GPL and LGPL say (sections 7 and 11):

If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.

So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents?

The GPL operates on a per-action, not per-program basis. That is, if you are in a country which has software patents, and a court tells you that you cannot distribute (say) libmad in source code form, then you cannot distribute libmad at all. This doesn't affect anyone else.

Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library. Does this affect the licensing issues involved in regards to GPL/LGPL?

No.
Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3?

The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

If you take a license which doesn't allow others to distribute original or modified versions of libmad practicing the same patent claims as the version you distribute, then you may not distribute at all.
price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

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

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

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

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

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

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

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

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

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

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

GNU LIBRARY GENERAL PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which
contains a notice placed by the copyright holder or other authorized
party saying it may be distributed under the terms of this Library
General Public License (also called "this License"). Each licensee is
addressed as "you".

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.
You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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

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

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

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

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

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

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

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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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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of all derivatives of our free software and of promoting the sharing
and reuse of software generally.

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DAMAGES.

END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

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

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

This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Library General Public
License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This library 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 Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

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

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

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

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

That's all there is to it!

1.151 jackson-datatype-joda 2.4.5

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1.152 jsr305 3.0.2

1.153 libxcursor 1.1.15-1.el7.0atomix1
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1.154 jboss-remoting 5.0.8.Final

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1.155 commons-codec 1.4

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1.156 curl 7.69.1-1.el7_7.0atomix1

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### 1.157 netty-handler 4.1.31.Final

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Section 6 states terms for distribution of such executables.

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1.172 perl-termreadkey 2.30-20.el7

1.173 batik-svgen 1.7
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1.180 rpm 4.11.3 43.el7

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Whether this is true is especially significant if the work can be
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1.181 spring-web-mvc 4.0.2.RELEASE
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* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/support/AbstractDispatcherServletInitializer.java

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* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestPartMethodArgumentResolver.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/support/BindStatus.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/CompositeRequestCondition.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/ParamsRequestCondition.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/CompositeRequestCondition.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/CompositeRequestCondition.java
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A contract for inspecting and potentially modifying request data values such as URL query parameters or form field values before they are rendered by a view or before a redirect.

Implementations may use this contract for example as part of a solution to provide data integrity, confidentiality, protection against cross-site request forgery (CSRF), and others or for other tasks such as automatically adding a hidden field to all forms and URLs.

View technologies that support this contract can obtain an instance to delegate to via `@link RequestContext#getRequestDataValueProcessor()`.

@since 3.1
@version 3.1

*/

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* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/support/RequestDataValueProcessor.java

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* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-
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jar/org/springframework/web/servlet/FlashMap.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/HttpHeadersReturnValueHandler.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-
jar/org/springframework/web/servlet/support/BindStatus.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-
jar/org/springframework/web/servlet/view/xml/MarshallingView.java
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* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-
jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-
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/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * </p>[/link #locateSource detected] during response rendering. Users can either specify
 * a specific entry in the model via the </p>[@link #setSourceKey sourceKey] property or
 * have Spring locate the Source object. This class also provides basic conversion
 * of objects into Source implementations. See </p>[@link #getSourceTypes() here]
 * for more details.
 *
 * <p>All model parameters are passed to the XSLT Transformer as parameters.
 * In addition the user can configure </p>[@link #setOutputProperties output properties]
 * to be passed to the Transformer.
 *
 * @author Rob Harrop
 * @author Juergen Hoeller
 * @since 2.0
 */

/*
* Found in path(s):
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1.jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1.jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java
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jar/org/springframework/web/servlet/config/annotation/InterceptorRegistry.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestDataBinderFactory.java
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 */
/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * View technologies that support this contract can obtain an instance to
 * delegate to via {link RequestContext#getRequestDataValueProcessor()}
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */

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  jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-
  jar/org/springframework/web/servlet/view/tiles2/SpringLocaleResolver.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-
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  jar/org/springframework/web/servlet/view/tiles2/SpringBeanPreparerFactory.java
* /opt/cola/permits/1110676884_1606843964.15/0/spring-webmvc-4-0-2-release-sources-1-
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* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java
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* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/tags/BindErrorsTag.java
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* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/support/WebContentGenerator.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestResponseBodyMethodProcessor.java
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* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/support/WebContentGenerator.java
* /opt/cola/permits/1110676884_1606843965.18/0/spring-webmvc-4-0-2-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestResponseBodyMethodProcessor.java
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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
* 
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in the model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
* 
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure { @link #setOutputProperties output properties}
* to be passed to the Transformer.
* 
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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/**
 * <p>The identifier of a client registered within the OAuth2 Authorization Server that will be used to
 * authenticate this server
 * in order to validate bearer tokens arriving to this server.
 *
 * Please note that the client will be usually a confidential client with both an identifier and secret
 * configured in order to
 * authenticate against the token introspection endpoint. In this case, the endpoint must support HTTP BASIC
 * authentication using
 * the client credentials (both id and secret).
 *
 * @param clientId the identifier of a client within the OAuth2 Authorization Server
 * @return this instance
 */

1.187 jboss-transaction-api 1.0.1.Final
1.188 libcanberra 0.30 9.el7
1.188.1 Available under license:

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1.194 webswing-app-launcher 2.5-SNAPSHOT

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  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
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Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c8f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
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* /opt/ws_local/PERMITS_SQL/1091710337_1600572078.07/0/wildfly-elytron-client-1-11-2-final-sources-jar/org/wildfly/security/auth/client/MatchAbstractTypeAuthorityRule.java
* /opt/ws_local/PERMITS_SQL/1091710337_1600572078.07/0/wildfly-elytron-client-1-11-2-final-sources-jar/org/wildfly/security/auth/client/MatchAbstractTypeRule.java

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* /opt/ws_local/PERMITS_SQL/1091710337_1600572078.070/wildfly-elytron-client-1-11-2-final-sources-jar/schema/elytron-1_0_1.xsd
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  jar/org/wildfly/security/auth/client/CallbackKind.java
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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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1.217 abattis-cantarell-fonts 0.0.25-1.el7

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StartChar: copyright
Encoding: 169 169 102
GlifName: copyright
Width: 869
Flags: HMW
LayerCount: 2
Back
SplineSet
548 524 m 2
564 517 l 1
537 439 l 1
518 446 l 1
495 454 473 458 449 458 c 0
371 458 351 408 351 353 c 0
351 294 372 238 455 238 c 0
475 238 495 242 515 249 c 2
533 255 l 1
561 179 l 1
543 172 l 2
509 159 474 152 437 152 c 0
355 152 255 195 255 343 c 0
255 496 355 547 442 547 c 0
479 547 515 539 548 524 c 2
430 602 m 0
284 602 171 484 171 347 c 0
171 210 284 93 430 93 c 0
576 93 688 210 688 347 c 0
688 484 576 602 430 602 c 0
792 347 m 3
792 155 634 -10 430 -10 c 3
226 -10 67 154 67 347 c 3
67 536 223 706 430 706 c 3
634 706 792 539 792 347 c 3
EndSplineSet
Fore
SplineSet
784 334 m 259
784 129 638 -10 432 -10 c 3
229 -10 85 130 85 334 c 259
85 537 228 678 432 678 c 3
638 678 784 540 784 334 c 259
719 334 m 259
719 498 600 614 436 614 c 3
270 614 151 499 151 334 c 259
151 170 271 57 436 57 c 3
638 678 784 540 784 334 c 259
281 329 m 3
281 454 339 517 456 517 c 3
486 517 517 511 550 497 c 1
531 443 l 1
506 451 482 456 458 456 c 3
385 456 349 418 349 341 c 3
349 260 384 216 466 216 c 3
484 216 504 221 527 229 c 1
546 175 l 1
513 161 480 155 448 155 c 3
342 155 281 222 281 329 c 3
EndSplineSet
Validated: 1
EndChar
StartChar: copyright
Encoding: 169 169 102
GlifName: copyright
Width: 862
Flags: HMW
LayerCount: 2
Back
SplineSet
441 156 m 0
335 156 273 218 273 327 c 0
273 382 287 427 315 462 c 0
344 498 390 515 452 515 c 0
480 515 510 508 541 494 c 1
526 452 l 1
499 462 473 466 450 466 c 0
371 466 330 420 330 339 c 0
330 253 372 203 458 203 c 0
478 203 499 207 522 215 c 1
537 175 l 1
504 162 472 156 441 156 c 0
430 609 m 0
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FIRST NOTE:
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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware): Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port). These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these
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__________________________________________________________________________

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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* MacBinary III spec.
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"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."

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The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): 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.

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

1.219 jbossws-cxf-factories 5.2.3.Final

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1.221 jersey-multipart 1.19.4

1.222 python-more-itertools 6.0.0
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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its purpose remains meaningful.

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1.231 slf4j-log4j 1.6.6

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3.6.1.Final

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1.237 shadow-utils 4.6-8.el7_7.0atomix1

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1.255 wildfly-elytron-ssl 1.11.2.Final

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/**
**
* A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
* [@link ServletWebServerFactory] bean.
* <p>
* This context will create, initialize and run an [@link WebServer] by searching for a
* single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
* itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
* (such as dependency injection, lifecycle callbacks and property placeholder variables).
* <p>
* In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.
* 
* @author Phillip Webb
* @author Dave Syer
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

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* /opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1-
  jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java
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  jar/org/springframework/boot/context/properties/source/InvalidConfigurationPropertyValueException.java
* /opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/CollectionBinder.java
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* /opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1.jar/org/springframework/boot/logging/logback/WhitespaceThrowableProxyConverter.java
* /opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1.jar/org/springframework/boot/web/reactive/result/view/package-info.java
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* /opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1-jar/org/springframework/boot/logging/LogLevel.java
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* /opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1-
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<td>org/springframework/boot/convert/DurationToNumberConverter.java</td>
<td>/opt/cola/permits/1110675120_1606844057.22/0/spring-boot-2-1-2-release-sources-1-jar/org/springframework/boot/diagnostics/analyzer/BindFailureAnalyzer.java</td>
</tr>
</tbody>
</table>

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Contributors (in approximate order of appearance)

[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

Ben Elliston bje at cygnus dot com
Initiated the project;
setup the project infrastructure (CVS, web page, etc.);
early prototype routines.
Ross Johnson rpj at callisto dot canberra dot edu dot au
early prototype routines;
ongoing project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.
Robert Colquhoun rjc at trump dot net dot au
Early bug fixes.
John E. Bossom John dot Bossom at cognos dot com
Contributed substantial original working implementation;
bug fixes;
ongoing guidance and standards interpretation.
Anders Norlander anorland at hem2 dot passagen dot se
Early enhancements and runtime checking for supported Win32 routines.
Tor Lillqvist tml at iki dot fi
General enhancements:
early bug fixes to condition variables.
Scott Lightner scott at curriculum dot com
Bug fix.
Kevin Ruland Kevin dot Ruland at anheuser-busch dot com
Various bug fixes.
Mike Russo mike at eai dot com
Bug fix.
Mark E. Armstrong avail at pacbell dot net
Bug fixes.
Lorin Hochstein lmh at xiphos dot ca
general bug fixes; bug fixes to condition variables.

Peter Slacik
Peter dot Slacik at tatramed dot sk
Bug fixes.

Mumit Khankhan at xraylith dot wisc dot edu
Fixes to work with Mingw32.

Milan Gardian
mg at tatramed dot sk
Bug fixes and reports/analyses of obscure problems.

Aurelio Medina
aureliom at crt dot com
First implementation of read-write locks.

Graham Dumpleton
Graham dot Dumpleton at ra dot pad dot otc dot telstra dot com dot au
Bug fix in condition variables.

Tristan Savatier
tristan at mpegtv dot com
WinCE port.

Erik Hensemaerik
erik at hensema dot xs4all dot nl
Bug fixes.

Rich Peters
rich at micro-magic dot com

Todd Owen
towen at lucidcalm dot dropbear dot dot au
Bug fixes to dll loading.

Jason Nye
jnye at nbnet dot nb dot ca
Implementation of async cancelation.

Fred Forrester
fred at eticomm dot net

Kevin D. Clark
kclark at cabletron dot com

David Baggett
dmb at itasoftware dot com
Bug fixes.

Paul Redondo
paul at matchvision dot com

Scott McCaskill
scott at 3dfx dot com
Bug fixes.

Jef Gearhart
tjgearhart at tpssys dot com
Bug fix.

Arthur Kantor
akantor at bexusa dot com
Mutex enhancements.

Steven Reddies
smr at essemer dot com dot au
Bug fix.

Alexander Terekhov
TEREKHOV at de dot ibm dot com
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathcko;
system clock change handling re CV timeouts;
bv bug fixes.

Thomas Pfaff
tpfaff at gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bezfranco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomaslthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korndgk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.phil at hawksoft dot com
Bug fix.
Ralf BreseRalf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at juno dot com prionx at juno dot com
Bug fixes.
Max Woodburymtew at cds dot duke dot edu
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Rob Fannerrfanner at stonethree dot com
Bug fix.
Michael Johnson michaelj at maine dot rr dot com
Bug fix.
Nicolas Barryboozai at yahoo dot com
Bug fixes.
Piet van Bruggenpietvb at newbridges dot nl
Bug fix.
Makoto Katoraven at oldskool dot jp
AMD64 port.
Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEX package which
makes preemptive async cancelation possible.
Will Bryantwill dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyalanuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Freegottlobfrege at gmail dot com
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
Vladimir Klatchkovladimir at kliatchko dot com
reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.
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Ajay Joshi <jaj@google.com>
Balzs Dn <balazsdan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hadyzalek@gmail.com>
Jeffrey Yasskin <jyasskin@gmail.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keithray@gmail.com>
Kenton Varda <kenton@google.com>
Manuel Klimek <klimek@google.com>
Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Miklos Fazekas <mfazekas@szemafor.com>
Patrick Hanna <phanna@gmail.com>
Patrick Riley <spfr@gmail.com>
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Russ Rufer <russ@pentad.com>
Sean Mcafee <seefacm@gmail.com>
Sigurur sgeirsson <siggi@google.com>
Tracy Bialik <tracy@pentad.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Zhanyong Wan <wan@google.com>

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Steve Block
Rachel Blum
Eric Boren
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Nat Duca
Peter Kasting
Vangelis Kokkevis
Zhenyao Mo
Daniel Nicoara
Alastair Patrick
Alok Priyadarshi
Kenneth Russell
Brian Salomon
Gregg Tavares
Jeff Timanus
Ben Vanik
Adrienne Walker
thestig@chromium.org
Justin Schuh
Scott Graham
Corentin Wallez
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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 $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
 $(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
```

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

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

```
%.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

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

## End BSD-specific setup

### 1.261 batik-parser 1.7

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* /opt/ws_local/PERMITS_SQL/1069029788_1594473240.85/0/jboss-marshalling-river-1-4-11-final-sources-jar/META-INF/services/org.jboss.marshalling.ProviderDescriptor

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1.272 jdbc 5.9.0.Final

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1.274 libffi 3.0.13 19.el7

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* /opt/ws_local/PERMITS_SQL/1068290198_1594349839.03/0/spring-boot-autoconfigure-2-2-2-release-sources-1-jar/org/springframework/boot/autoconfigure/amqp/RetryTemplateFactory.java
* /opt/ws_local/PERMITS_SQL/1068290198_1594349839.03/0/spring-boot-autoconfigure-2-2-2-release-sources-1-jar/org/springframework/boot/autoconfigure/transaction/TransactionProperties.java
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* /opt/ws_local/PERMITS_SQL/1068290198_1594349839.03/0/spring-boot-autoconfigure-2-2-2-release-sources-1.jar/org/springframework/boot/autoconfigure/jdbc/JndiDataSourceAutoConfiguration.java
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From friedman@cli.com Thu May 25 12:19:06 1995
Flag: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)
From specdct@armory.com Wed May 10 10:21:11 1995
Flag: 10
Return-Path: specdct@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from specdct@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from specdct@armory.com for <chet@po.cwru.edu>)
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.`` - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
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From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
to work with bash-2.0. Does ORA have any problem with me distributing
it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).
-------

1.283 jaeger-core 0.30.6

1.283.1 Available under license:

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Version 2.0, January 2004
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--- mesa-demos-6ee979a54888db01088412f88374b2ea9d615cd/src/demos/Makefile.am
+++ mesa-demos-6ee979a54888db01088412f88374b2ea9d615cd/src/demos/Makefile.am
11:24:38.805867866 -0500
11:24:44.975870107 -0500
@@ -65,7 +65,6 @@ bin_PROGRAMS = \
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1.291 linux-kernel 3.10.0-1160.2.2.el7

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Contributors to btvt:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
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Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
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Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
Ramesh Gupta G
Fernando Guzman Lugo
Axel Haslam
Janet Head
Shivananda Hebbar
Hari Kanigeri
Tony Lindgren
Antonio Luna
Hari Nagalla
Nishanth Menon
Ameya Palande
Vijay Pasam
Gilbert Pitney
Omar Ramirez Luna
Ernesto Ramos
Chris Ring
Larry Schiefer
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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * 
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * 
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * 
 * Linux driver for the IDT77201 NICStar PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * 
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
 * 
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* M. Welsh, 6 July 1996

* /

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1.293 zlib 1.2.7 18.el7

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jar/org/springframework/jca/cci/core/RecordExtractor.java
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jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
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jar/org/springframework/transaction/support/DefaultTransactionStatus.java
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* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
jar/org/springframework/jca/endpoint/GenericMessageEndpointFactory.java
* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
jar/org/springframework/transaction/annotation/EnableTransactionManagement.java
* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
jar/org/springframework/jca/context/SpringContextResourceAdapter.java
* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
jar/org/springframework/jca/cci/CannotCreateRecordException.java
* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
jar/org/springframework/jca/work/SimpleTaskWorkManager.java
* /opt/ws_local/PERMITS_SQL/1086188480_1599205460.0/spring-tx-5-1-4-release-sources-
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jar/org/springframework/jca/cci/core/RecordCreator.java

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### Special Recognition ###

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks: but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.
We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

Akemi Matsuno-Yagi
Alain Reguera Delgado
Alan Bartlett
Andreas Thienemann
Anssi Johansson
Athmane Madjoudj
Bonnie King
Brian Stinson
Carl Trieloff
Christoph Galuschka
Fabian Arrotin
Jakub Filak
James Moger
Jeff Sheltren
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Johnny Hughes Jr
Karanbir Singh
Karsten Wade
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Matej Habrnal
Marcus Moeller
Michael Scherer
Mike McLean
Pablo Sebastín Greco
Pat Riehecky
Ralph Angenendt
Scott Robbins
Stephen John Smoogen
Trevor Hemsley
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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5c9f2bb5bb6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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JPython was created in late 1997 by Jim Hugunin. Jim was also the primary developer while he was at CNRI. In February 1999 Barry Warsaw took over as primary developer and released JPython version 1.1.

In October 2000 Barry helped move the software to SourceForge where it was renamed to Jython. Jython 2.0 and 2.1 were developed under the Jython specific license below.

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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
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  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostConnectInfo.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostNasVolumeSpec.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DVSNetworkResourceManagerCapability.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterComputeResourceSummary.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterRuleInfo.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualMachineFlagInfo.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostVirtualNicSpec.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostProfileManagerConfigTaskList.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/StorageIORMInfo.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/StorageDrsSpaceLoadBalanceConfig.java
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  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterRecommendation.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/StorageIORMConfigSpec.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterDasVmSettings.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VMwareDVSFeatureCapability.java
  */opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostActiveDirectoryInfo.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/FaultToleranceDiskSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DrsSoftRuleViolationEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterEVCManagerEVCState.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DvsHostInfrastructureTrafficResource.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DVSVmVnicNetworkResourcePool.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/EnvironmentBrowserConfigOptionQuerySpec.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VsanUpgradeSystemRogueHostsInClusterIssue.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VsanDiskMapInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostLowLevelProvisioningManagerFileReserveSpec.java

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  jar/com/vmware/vim25/ArrayOfHostFeatureVersionInfo.java
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/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostNumericSensorHealthState.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfVMwareDvsLacpGroupSpec.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfNetStackInstanceProfile.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfDatastoreHostMount.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/InvalidClientCertificate.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfKeyAnyValue.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualUSBRemoteClientBackingInfo.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterDasFailoverLevelAdvancedRuntimeInfoHostSlots.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/OvfHostValueNotParsed.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/TaskReasonSchedule.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/CustomizationOptions.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/PerformanceStatisticsDescription.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/PrivilegeAvailability.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/StringPolicy.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/AlarmEmailFailedEvent.java
/opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/NetworkSummary.java
jar/com/vmware/vim25/VirtualDiskSeSparseBackingInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmPortGroupProfile.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DvsTrafficFilterConfig.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostNonCompliantEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ToolsImageCopyFailed.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/CustomizationPrefixName.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/IpAddress.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/CustomizationFailed.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostGraphicsInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/IscsiFaultVnicHasWrongUplink.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostNetworkConfigNetStackSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/TooManyDevices.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DeviceNotFound.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmGuestRebootEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VAppOvfSectionSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/CreateTaskAction.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/UplinkPortVlanTrunkedEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostLowLevelProvisioningManagerVmRecoveryInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostVFFlashManagerVFFlashCacheConfigInfoVFFlashModuleConfigOption.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualDiskVFFlashCacheConfigInfoCacheMode.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmFailedToShutdownGuestEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/IscsiFaultInvalidVnic.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfClusterDpmHostConfigInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ToolsImageSignatureCheckFailed.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostIpToShortNameFailedEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/FaultToleranceCpuIncompatible.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/ApplyStorageRecommendationResult.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/DistributedVirtualSwitchManagerCompatibilityResult.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/Ovf UnsupportedDiskProvisioning.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/ComputeResourceHostSPBMLicenseInfoHostSPBMLicenseState.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/ImportOperationBulkFaultOnImport.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/ClusterDasFdmAvailabilityState.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/DvsPortDisconnectedEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/VspanPortConflict.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/InsufficientStandbyCpuResource.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/DvsOperationBulkFault.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/ShrinkDiskFault.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/Host LowLevelProvisioningManagerReloadTarget.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/CannotUseNetworkReason.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/VsanDiskFault.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/NoSubjectName.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/CannotUseNetwork.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/DasHostIsolatedEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/WillLoseHAProtection.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-0-sources-jar/com/vmware/vim25/IscsiMigrationDependency.java
The document contains a list of file paths related to the Open Source Used in Data Center Network Manager 11.5(1). The paths are listed as follows:

- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/FileLocked.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/VirtualMachineAffinityInfo.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/DynamicData.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/PodStorageDrsEntry.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/CannotMoveVmWithDeltaDisk.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/UserLoginSessionEvent.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/LicenseServerSource.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/OvfFile.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/ArrayOfClusterDrsVmConfigInfo.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/TooManyNativeCloneLevels.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/LicenseDiagnostics.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/HostShortNameToIpFailedEvent.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/NamespaceFull.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/ClusterDrsFailoverLevelAdvancedRuntimeInfoVmSlots.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/VirtualSIOController.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/PhysicalNicVmDirectPathGen2SupportedMode.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/VmfsDatastoreBaseOption.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/IncompatibleHostForFtSecondary.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/RDMPointsToInaccessibleDisk.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/HostReplayUnsupportedReason.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/SnapshotDisabled.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/ArrayOfTypeRequirement.java
- /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/ArrayOfTypeIpRouteConfigInfoIpRoute.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/DeltaDiskFormatNotSupported.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/OvfMissingElementNormalBoundary.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/VmWwnChangedEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/HostReliableMemoryInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/HostFibreChannelOverEthernetHba.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/ArrayOfFcoeConfigVlanRange.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/VmDisconnectedEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/InvalidGuestLogin.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/MissingProperty.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/ExitStandbyModeFailedEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/VmConfigFileQueryFilter.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/VirtualMachineFileLayoutEx.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/DatastoreSummaryMaintenanceModeState.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/DistributedVirtualSwitchManagerDvsProductSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/DVPortSetting.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/ArrayOfPodDiskLocator.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/VmPoweredOffEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/ResourcePoolQuickStats.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/MksConnectionLimitReached.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/InvalidFormat.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/WaitOptions.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/AuthorizationPrivilege.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/ArrayOfMissingObject.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-0-sources-
  jar/com/vmware/vim25/VMwareDVSTeamingHealthCheckConfig.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/GuestPermissionDenied.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfLocalizableMessage.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfComplianceFailure.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/GenericDrsFault.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/InfoUpgradeEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/LocalLicenseSource.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfVAppOvfSectionInfo.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfHostVmfsRescanResult.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/SecurityError.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ProfileDescription.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfProfilePropertyPath.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VMachineConfigInfoDatastoreUrlPair.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/AlarmEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualSerialPortEndPoint.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualDeviceOption.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/TooManyNativeClonesOnFile.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ProfileParameterMetadata.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmConfigInfo.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmReconfiguredEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostUpgradeFailedEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/StorageRequirement.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ScheduledTaskEvent.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/NetIpConfigSpec.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualDeviceConfigSpec.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterDasAamHostInfo.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/InvalidProfileReferenceHost.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VMwareDVSMtuHealthCheckResult.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostInternetScsiHbaDigestType.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfComplianceResult.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/CannotAccessVmConfig.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostRuntimeInfoNetStackInstanceRuntimeInfoState.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/NoGuestHeartbeat.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmwareDistributedVirtualSwitchPvlanPortType.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/OvfCreateDescriptorParams.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterProfileCompleteConfigSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/FolderEventArgument.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VMwareDVSPvlanConfigSpec.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ArrayOfProductComponentInfo.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources.jar/com/vmware/vim25/HostInAuditModeEvent.java
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jar/com/vmware/vim25/VirtualHardwareOption.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/EVCAdmissionFailedHostSoftwareForMode.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostSystemIdentificationInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DatastoreRenamedOnHostEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ClusterDasData.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmRelayoutUpToDateEvent.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ExtendedFault.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostDiagnosticPartitionCreateOption.java
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* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/GuestMultipleMappings.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostCacheConfigurationManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/IscsiManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mox/VirtualMachineDeviceManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostEsxAgentHostManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/GuestProcessManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/StoragePod.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/GuestOperationsManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/GuestAuthManager.java

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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostAccessManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/GuestWindowsRegistryManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/OverheadMemoryManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostCertificateManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/VRPResourceManager.java

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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostDistributedVirtualSwitchManagerNetworkResourcePoolKey.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostPnicNetworkResourceInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HbrManagerVmReplicationCapability.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VRPEditSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DvsVnicAllocatedResource.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DvsVmVnicResourceAllocation.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DvsHostInfrastructureTrafficResourceAllocation.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HostPnicNetworkResourceInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/HbrManagerVmReplicationCapability.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VRPEditSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/DvsVnicAllocatedResource.java

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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VsanHostConfigInfoStorageInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VsanHostDiskResult.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VsanClusterConfigInfoHostDefaultInfo.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualMachineVMCIDeviceOption.java

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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ReplicationVmInProgressFaultActivity.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/TaskFilterSpec.java

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* <pre>
* { @code
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* @author Steve JIN (sjin@vmware.com)

**

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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualEthernetCardResourceAllocation.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualMachineVMCIDeviceFilterSpec.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VsanPolicyCost.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualMachineVMCIDeviceOptionFilterSpecOption.java

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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmDasBeingResetEventReasonCode.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualMachineNeedSecondaryReason.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/ActionType.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VirtualMachinePowerOffBehavior.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/VmFaultToleranceConfigIssueReasonForIssue.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/PerformanceManagerUnit.java
jar/com/vmware/vim25/mo/EventManager.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
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* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
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* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/ViewHistoryCollector.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/TaskManager.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/util/MorUtil.java
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  jar/com/vmware/vim25/mo/View.java
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* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/HostFirewallSystem.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/OvfManager.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/PropertyCollector.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/ContainerView.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/HostDateTimeSystem.java
* /opt/cola/permits/110675874_1606843708.75/0/yavijava-6-0-05-sources-
  jar/com/vmware/vim25/mo/HostDateTimeSystem.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostDatastoreSystem.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/LicenseManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostVirtualNicManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/CommandLineParser.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/CustomFieldsManager.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostMemorySystem.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HttpNfcLease.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostDiagnosticSystem.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim/DeepCopier.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/AlarmManager.java
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* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/HostHealthStatusSystem.java
* /opt/cola/permits/1110675874_1606843708.75/0/yavijava-6-0-05-sources-jar/com/vmware/vim25/mo/Profile.java
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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java
```

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in

```
stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt
```

See http://project.carrot2.org/license.html.
The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz

or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

===========================================================================
mecab-ipadic-2.7.0-20070801 Notice
===========================================================================

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Nori Korean Morphological Analyzer - Apache Lucene Integration
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This software includes a binary and/or source version of data from
mecab-ko-dic-2.0.3-20170922

which can be obtained from

https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz

1.315 hibernate-validator 6.0.16.Final
1.315.1 Available under license:

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

/*
* Hibernate Validator, declare and validate application constraints
*
* License: Apache License, Version 2.0
* See the license.txt file in the root directory or <http://www.apache.org/licenses/LICENSE-2.0>.
*/

Found in path(s):
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/hv/Mod11CheckValidator.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/cfg/defs/ScriptAssertDef.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/engine/MessageInterpolatorContext.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForThaiBuddhistDate.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetTime.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/metadata/descriptor/ElementDescriptorImpl.java
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* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfFloat.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/metadata/BeanMetaDataManager.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForBigDecimal.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForDouble.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForReadablePartial.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/engine/groups/DefaultValidationOrder.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/package-info.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/NIPValidator.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/package-info.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/metadata/aggregated/AbstractConstraintMetaData.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/metadata/aggregated/NonContainerCascadingMetaData.java
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* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/org/hibernate/validator/internal/metadata/provider/MetaDataProvider.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/constraintvalidators/BV/Number/Bound/MinValidatorForBigInteger.java
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jar/org/hibernate/validator/internal/constraintvalidators/time/AbstractInstantBasedTimeValidator.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-
jar/org/hibernate/validator/group/GroupSequenceProvider.java
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jar/org/hibernate/validator/internal/constraintvalidators/time/futureorpresent/FutureOrPresentValidatorForYearMonth.java
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* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-
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* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-
jar/org/hibernate/validator/internal/constraintvalidators/hv/money/PositiveValidatorForMonetaryAmount.java
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jar/org/hibernate/validator/spi/resourceloading/ResourceBundleLocator.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-
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* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/engine/ConstraintViolationImpl.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintDescriptor.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/context/TypeConstraintMappingContext.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/messageinterpolation/package-info.java
* /opt/coli/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/util/package-info.java
* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/messages/EAN.java
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* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/xml/mapping/ConstrainedParameterStaxBuilder.java
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* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForYearMonth.java
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* /opt/cola/permits/110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/context/AnnotationProcessingOptions.java
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* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/metadata/optional/OptionalLongValueExtractor.java
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForLong.java
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* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/META-INF/validation-mapping-1.0.xsd
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/META-INF/validation-configuration-2.0.xsd
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* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/overview.html
* /opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4-jar/META-INF/validation-configuration-1.0.xsd
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 */
@param executable The executable of interest.

@returns A list with parameter meta data for the given executable.

Found in path(s):
/::opt/cola/permits/1110675268_1606843510.78/0/hibernate-validator-6-0-16-final-sources-4.jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * 
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * (<"Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * [link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
 * will be used as parameter names.
 * 
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 * 
 * code
 * @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
 * public void createEvent(Date start, Date end) { ... }
 * }
 * 
 * Can be specified on any method or constructor.
 * 
 * author Gunnar Morling
 */
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* @version 3.0 (December 2000)
* 
* Optimised ANSI C code for the Rijndael cipher (now AES)
* 
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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1.336 axis-jaxrpc 1.4

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1.339 cxf-xjc-dv 3.1.0

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1.344  httpclient 4.5.8

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### 1.345 icu 53

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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 = -PIC
```

---

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SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADS_CPPFLAGS = -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
## 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 =
```

## End BSD-specific setup

### 1.346 spring-aop 5.2.10.RELEASE

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* /opt/cola/permits/1104729314_1604648833.11/0/spring-aop-5-2-10-release-sources-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
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* /opt/cola/permits/1104729314_1604648833.11/0/spring-aop-5-2-10-release-sources-jar/org/springframework/aop/aspectj/autoproxy/AbstractAdvisorAutoProxyCreator.java
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* /opt/cola/permits/1104729314_1604648833.11/0/spring-aop-5-2-10-release-sources-jar/org/aopalliance/intercept/Joinpoint.java
* /opt/cola/permits/1104729314_1604648833.11/0/spring-aop-5-2-10-release-sources-jar/jar/org/springframework/aop/aspectj/autoproxy/AbstractAdvisorAutoProxyCreator.java
* /opt/cola/permits/1104729314_1604648833.11/0/spring-aop-5-2-10-release-sources-jar/jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
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* /opt/cola/permits/1104729314_1604648833.11/0/spring-aop-5-2-10-release-sources-jar/jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
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  jar/org/springframework/aop/target/PrototypeTargetSource.java
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  jar/org/springframework/aop/support/NameMatchMethodPointcutAdvisor.java

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  jar/org/springframework/aop/target/PrototypeTargetSource.java
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1.349 ingest-user-agent 6.8.3

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* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/UUIDGenerator.java
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* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/Pair.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQUnBlockedException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/PasswordMaskingUtil.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/ReferenceCounter.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQInternalErrorException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQAddressExistsException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQDuplicateMetaDataException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQClusterSecurityException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/ReferenceCounterUtil.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQAlreadyReplicatingException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQBuffers.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQInternalIOException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQQSessionCreateException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQUnBlockedException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/TypedProperties.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/DefaultSensitiveStringCodec.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQInvalidTransientQueueUseException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQPropertyConversionException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQExceptionType.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQPropertyConversionException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQDuplicateIdException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQBuffers.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/api/core/HornetQAlreadyReplicatingException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/TypedProperties.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/DefaultSensitiveStringCodec.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-
jar/org/hornetq/utils/SensitiveDataCodec.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/api/core/HornetQQueueExistsException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/api/core/HornetQConnectionTimedOutException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/utils/HornetQUtilBundle.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/api/core/HornetQIncompatibleClientServerException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/api/core/HornetQUnsupportedPacketException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/api/core/HornetQInterceptorRejectedPacketException.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/utils/ByteUtil.java
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1.jar/org/hornetq/api/core/HornetQInvalidFilterExpressionException.java

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 */
/**
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * <code>getBytes</code> bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds
 * (though that breaks strict Base64 compatibility), and encoding using the URL-safe
 * and Ordered dialects.</p>
 * The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this: <code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES );</code>
 * to compress the data before encoding it and then making the output have no newline characters.
 */
<p>
* Change Log:

  * v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the
    Base64.InputStream class to encode and decode on the fly which uses
    less memory than encoding/decoding an entire file into memory before writing.</li>
  * v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
    when using very small files (~<lt; 40 bytes).</li>
  * v2.2.0 - Added some helper methods for encoding/decoding directly from
    one file to the next. Also added a main() method to support command line
    encoding/decoding from one file to the next. Also added these Base64 dialects:
  * The default is RFC3548 format.</li>
  * Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
    URL and file name friendly format as described in Section 4 of RFC3548.
  * Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
    URL and file name friendly format that preserves lexical ordering as described
    in http://www.faqs.org/qa/rfcc-1940.html</li>
  * Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new Base64 dialects.
  * v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
    some convenience methods for reading and writing to and from files.</li>
  * v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
    with other encodings (like EBCDIC).</li>
  * v2.0.1 - Fixed an error when decoding a single byte, that is, when the
    encoded data was a single byte.</li>
  * v2.0 - I got rid of methods that used booleans to set options.
    Now everything is more consolidated and cleaner. The code now detects
    when data that's being decoded is gzip-compressed and will decompress it
    automatically. Generally things are cleaner. You'll probably have to
    change some method calls that you were making to support the new
    options format (<tt>int</tt>s that you "OR" together).</li>
  * v1.5.1 - Fixed bug when decompressing and decoding to a
    byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>. Added the ability to "suspend" encoding in the Output Stream so
    you can turn on and off the encoding if you need to embed base64
    data in an otherwise "normal" stream (like an XML file).</li>
  * v1.5 - Output stream pases on flush() command but doesn't do anything itself.
    This helps when using GZIP streams.
  * v1.4 - Added helper methods to read/write files.</li>
  * v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
  * v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
    where last buffer being read, if not completely full, was not returned.</li>
  * v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li> *
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* </p> *
* @author Robert Harder *
* @author rob@iharder.net *
* @version 2.2.2 *
*/

Found in path(s):
* /opt/cola/permits/1110676238_1606843959.02/0/hornetq-commons-2-4-7-final-sources-1-jar/org/hornetq/utils/Base64.java

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Mailing Address: 2215 SE 39th Ave, Portland OR 97214 USA

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Version: GnuPG v1.4.3 (GNU/Linux)
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Version: GnuPG v1.4.1 (GNU/Linux)
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artefacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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Full name: Julian Anthony Fox Gosnell
E-Mail: jules@coredevelopers.net
Mailing Address: 2, Tannery Cottages, Tannery Lane, Bramley, Surrey, GU5 0AB, UK.

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

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

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"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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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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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(This file is under construction.)

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.

John Gilmore built the AMD 29000 support, added .include support, and
simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola's
opcodes always produced fixed-size instructions (e.g. jsr), while
synthetic instructions remained shrinkable (jbsr). John fixed many
bugs, including true tested cross-compilation support, and one bug in
relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT
syntaxes for the 68k, completed support for some COFF targets (68k,
i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael
Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support,
and made a few other minor patches. He handled the binutils releases
for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.
Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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Zstd-jni: JNI bindings to Zstd Library

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1.378 ironjacamar-common-impl 1.4.11.Final

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configPropertyConfidential; private String configPropertyConfidentialId; * @param configPropertyConfidentialId ID of configPropertyConfidential element

Boolean configPropertySupportsDynamicUpdates, Boolean configPropertyConfidential, String configPropertyConfidentialId) this.configPropertyConfidential = configPropertyConfidential;

this.configPropertyConfidentialId = configPropertyConfidentialId; public Boolean getConfigPropertyConfidential() return configPropertyConfidential; public String getConfigPropertyConfidentialId() return configPropertyConfidentialId; configPropertyConfidential, CopyUtil.cloneString(id), mandatory,

CopyUtil.cloneString(configPropertyConfidentialId)); result = prime * result + ((configPropertyConfidential ==
null) ? 0 : configPropertyConfidential.hashCode()); result = prime * result + ((configPropertyConfidentialId == null) ? 0 : configPropertyConfidentialId.hashCode()); if (configPropertyConfidentialId == null) if
(other.configPropertyConfidential != null) else if
(!configPropertyConfidential.equals(other.configPropertyConfidential)) if (configPropertyConfidentialId == null) if
(other.configPropertyConfidentialId != null) else if
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1.383 artemis-journal 1.1.0.wildfly-017

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1.384 perl 5.16.3-293.el7

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```perl
use strict;
use lib '/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#---------------------------------------------------------------#
# Create test distribution
#---------------------------------------------------------------#

{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
```
license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
  "license 'perl' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
  "META license URL is correct"
);
}
{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
    "license 'VaporWare' is valid"
);

  my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
    "META license URL is correct"
);
}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
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That's all there is to it!
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.,"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
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  version: 3
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9.3.1.Final

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1.387 setools 3.3.8-4.el7

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#### 2.6.3.jbosesorg-001

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* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/AopUtils.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/ComposablePointcut.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/ClassFilters.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/ControlFlowPointcut.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/interceptor/AsyncUncaughtExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/MethodMatchers.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/RootClassFilter.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/aspectj/AspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/interceptor/AsyncUncaughtExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/MethodMatchers.java
* /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-jar/org/springframework/aop/framework/support/RootClassFilter.java
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 */

Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-
    jar/org/springframework/aop/Advisor.java
  * /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-
    jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
  * /opt/ws_local/PERMITS_SQL/1068290279_1594347253.59/0/spring-aop-5-2-2-release-sources-1-
    jar/org/springframework/aop/support/DefaultPointcutAdvisor.java
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1.396 jcip-annotation 1.0

1.397 pkg-config 0.27.1 4.el7
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1.398 gnome-themes-standard 3.28 2.el7

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1.412 jbossinterceptorsapi 1.0.1.Final

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Contributors to btv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)
bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICSTAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
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Version 3, 29 June 2007

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Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
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Janet Head
Shivananda Hebbar
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Antonio Luna
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Andreas Oberritter <obi@linuxtv.org>  
Dennis Noermann <dennis.noermann@noernet.de>  
Felix Domke <tmbinc@elitedvb.net>  
Florian Schirmer <jolt@tuxbox.org>  
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(If you think you should be in this list, but you are not, drop a  
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1.424 sg3-utils 1.37 19.el7

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>, Bruce Allen <ballen at gravity dot phys dot uwm dot edu>, Peter Allworth <linsol at zeta dot org dot au>, James Bottomley <jejb at parisc-linux dot org>, Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grunbler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
Eric Youngdale <eric at andante dot org>

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at sus dot de>,
Kurt Garloff <garloff at sus dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
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A `@link WebApplicationContext` that can be used to bootstrap itself from a contained `@link ServletWebServerFactory` bean.

This context will create, initialize and run an `@link WebServer` by searching for a single `@link ServletWebServerFactory` bean within the `@link ApplicationContext` itself. The `@link ServletWebServerFactory` is free to use standard Spring concepts (such as dependency injection, lifecycle callbacks and property placeholder variables).

In addition, any `@link Servlet` or `@link Filter` beans defined in the context will be automatically registered with the web server. In the case of a single Servlet bean, the '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').

For more advanced configuration, the context can instead define beans that implement the `@link ServletContextInitializer` interface (most often `@link ServletRegistrationBean` and `@link FilterRegistrationBean`). To prevent double registration, the use of `@link ServletContextInitializer` beans will disable automatic Servlet and Filter bean registration.

Although this context can be used directly, most developers should consider using the `@link AnnotationConfigServletWebServerApplicationContext` or `@link XmlServletWebServerApplicationContext` variants.

@author Phillip Webb
@author Dave Syer
@see AnnotationConfigServletWebServerApplicationContext
@see XmlServletWebServerApplicationContext
@see ServletWebServerFactory

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* /opt/cola/permits/1110675121_1606843993.67/0/spring-boot-2-0-4-release-sources-1-jar/org/springframework/boot/context/properties/bind/handler/IgnoreErrorsBindHandler.java
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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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1.432 python-slip 0.4.0-4.el7

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1.439 stax 3.1.1

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1.443 volume-key 0.3.9-9.el7

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### 2.6.3.jbossorg-001

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* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
  jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
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/* *
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * </p>
 * The encoding and decoding algorithm in this class has been derived from
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 */

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  jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
  jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
  jar/io/netty/handler/codec/DefaultHeadersImpl.java

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 */

/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>

 * The value of the length field in this example is 12 (0x0C) which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *
 * BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
 * +--------+----------------+      +--------+----------------+
 * | Length | Actual Content |----->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
 * +--------+----------------+      +--------+----------------+
* Because we can get the length of the content by calling
* `{@link ByteBuf#readableBytes()}`, you might want to strip the length
* field by specifying `<tt>initialBytesToStrip</tt>`. In this example, we
* specified `<tt>2</tt>`, that is same with the length of the length field, to
* strip the first two bytes.

```java
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = <b>2</b> (= the length of the Length field)
```

*BEFORE DECODE (14 bytes)          AFTER DECODE (12 bytes)*

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

* 2 bytes length field at offset 0, do not strip header, the length field
  represents the length of the whole message*

* In most cases, the length field represents the length of the message body
  only, as shown in the previous examples. However, in some protocols, the
  length field represents the length of the whole message, including the
  message header. In such a case, we specify a non-zero
  `<tt>lengthAdjustment</tt>`. Because the length value in this example message
  is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>
  as `<tt>lengthAdjustment</tt>` for compensation.

```java
lengthFieldOffset   =  0
lengthFieldLength   =  2
lengthAdjustment    = <b>-2</b> (= the length of the Length field)
initialBytesToStrip =  0
```

*BEFORE DECODE (14 bytes)          AFTER DECODE (14 bytes)*

```
<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000E</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>
```

* 3 bytes length field at the end of 5 bytes header, do not strip header*

* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.
* <pre>
* &lt;b&gt;lengthFieldOffset&lt;/b&gt;  = &lt;b&gt;2&lt;/b&gt; (= the length of Header 1)
* &lt;b&gt;lengthFieldLength&lt;/b&gt;  = &lt;b&gt;3&lt;/b&gt;
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----&gt;| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* &lt;h3&gt;3 bytes length field at the beginning of 5 bytes header, do not strip header&lt;/h3&gt;
*
* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive <tt>lengthAdjustment</tt> so that the decoder counts the extra header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* &lt;b&gt;lengthAdjustment&lt;/b&gt;  = &lt;b&gt;2&lt;/b&gt; (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----&gt;|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* &lt;h3&gt;2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field&lt;/h3&gt;
*
* This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero <tt>initialBytesToStrip</tt> to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
*
* lengthAdjustment = 1 (= the length of HDR2)
* initialBytesToStrip = 3 (= the length of HDR1 + LEN)

* BEFORE DECODE (16 bytes)                              AFTER DECODE (13 bytes)
* +---------------------------------------------------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +---------------------------------------------------------------------+
* </pre>

* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into \texttt{lengthAdjustment}.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* lengthFieldOffset = 1
* lengthFieldLength = 2
* lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)

* BEFORE DECODE (16 bytes)                              AFTER DECODE (13 bytes)
* +---------------------------------------------------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +---------------------------------------------------------------------+
* </pre>

* @see LengthFieldPrepender

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/*
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
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 * Base64 Encoder/Decoder</a>.
 */

/*
*/

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  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
  jar/io/netty/handler/codec/compression/ByteBufChecksum.java
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  jar/io/netty/handler/codec/DateFormatter.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
  jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/CompressionUtil.java

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jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/DecompressedStage.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
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jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
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jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
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jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/cola/permits/1104729131_1604648967.07/0/netty-codec-4-1-53-final-sources-
jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
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1.446 httpcomponents-client 4.5.8

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

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

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

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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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- com/lowagie/text/pdf/LZWDecoder.java (first appearance in iText: 2002-02-08)

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In a mail sent to Bruno Lowagie on January 23, 2008, Brian Burkhalter (@sun.com) writes: "This code is under a BSD license and supersedes the older codec packages on which your code is based. It also includes numerous fixes among them being the ability to handle a lot of 'broken' TIFFs."

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FYI: Brian also added: "A bit of history might be in order.
The codec classes that you used originally were based on some
classes included with JAI but not strictly part of JAI.
As of Java SE 1.4 an official Image I/O framework was
added in javax.imageio.... This framework supports these formats:

Java 1.4: GIF (read only), JPEG, PNG
Java 1.5: Added support for BMP and WBMP
Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created
to support formats handled by JAI but not included in Java SE
as well as some new things like JPEG2000."

(4) the file com/lowagie/text/pdf/codec/TIFFConstants
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collect/SortedIterable.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Strings.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/net/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Monitor.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/annotations/Beta.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/ImmutableIntArray.java

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 */
/**
 * Outer class that exists solely to let us write `@code Partially.GwtIncompatible` instead of plain
 * `@code GwtIncompatible`. This is more accurate for `@link Futures#catching`, which is available
 * under GWT but with a slightly different signature.
 * <p>We can't use `@code PartiallyGwtIncompatible` because then the GWT compiler wouldn't recognize
 * it as a `@code GwtIncompatible` annotation. And for `@code Futures.catching`, we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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jar/com/google/common/collection/JdkBackedImmutableMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/JdkBackedImmutableSet.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/IndexedImmutableSet.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/WellBehavedMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/GwtTransient.java
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/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 * 
 * <p>This method assumes that the collection size doesn't change while the method is running.
 * 
 * @param c the collection for which to return an array of elements
 */

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jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/ImmutableRangeMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/math/PairedStatsAccumulator.java
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jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/io/ByteSource.java
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jar/com/google/common/io/ByteSink.java
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jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/html/package-info.java
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jar/com/google/common/io/ByteSink.java
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jar/com/google/common/math/Stats.java
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  jar/com/google/common/cache/Striped64.java
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  jar/com/google/common/cache/LongAdder.java
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  jar/com/google/common/hash/Striped64.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/AbstractIdleService.java
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* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/escape/Platform.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/MapMaker.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/RegularImmutableTable.java
* /opt/cola/permits/110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/escape/Platform.java
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  jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/LittleEndianByteArray.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/Platform.java

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  jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/SortedMapDifference.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/ForwardingListMultimap.java

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- /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Subscriber.java
- /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Dispatcher.java
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- /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
- /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/MoreObjects.java

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  jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Objects.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Function.java
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  jar/com/google/common/util/concurrent/package-info.java
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  jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/AllowConcurrentEvents.java
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 */
/**
 * Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
 * version.
 */

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 */
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
* version.
 *
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link
* ImmutableSortedMap#of(Comparable, Object}).</b>
*/

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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  jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/FluentIterable.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/SingletonImmutableList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RegularImmutableList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ArrayTable.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableEnumSet.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/SingletonImmutableTable.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/ImmediateFuture.java
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  jar/com/google/common/escape/CharEscaperBuilder.java
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  jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
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  jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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  jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/TimeoutFuture.java
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 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/CompactHashSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingDeque.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/TransformedIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/CompactLinkedHashSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingImmutableList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/TransformedListIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingBlockingDeque.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/TreeTraverser.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/CompactHashMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RangeMap.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableEnumMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/FilteredSetMultimap.java
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jar/com/google/common/coll/CompactLinkedHashSet.java
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jar/com/google/common/coll/ForwardingNavigableSet.java
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jar/com/google/common/coll/ForwardingImmutableSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/FilteredKeyListMultimap.java
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jar/com/google/common/coll/SortedMultisetBridge.java
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jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/RegularImmutableAsList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/AllEqualOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/ForwardingImmutableMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/FilteredKeySetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/coll/ForwardingNavigableMap.java

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  jar/com/google/common/graph/PredecessorsFunction.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/MultimapBuilder.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RegularImmutableMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableEntry.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/CollectPreconditions.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/StandardTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/HashBasedTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableCollection.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/UnmodifiableIterator.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/WrappingExecutorService.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/math/MathPreconditions.java
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* /opt/cola/permits/1110675684_160683710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/ForwardingExecutorService.java
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* /opt/cola/permits/1110675684_160683710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1110675684_160683710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1110675684_160683710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1110675684_160683710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1110675684_160683710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
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jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/base/PairwiseEquivalence.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/hash/MessageDigestHashFunction.java

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jar/com/google/common/collection/Sets.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/SingletonImmutableSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/Lists.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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jar/com/google/common/collection/EnumBiMap.java
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jar/com/google/common/graph/AbstractBaseGraph.java
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1.491 icu 58
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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/(\*[^\\n.\[]).o: \^[^/]*\|o: /\1.o $@ : /g\" > $@;\\\n| -s $@ \]|| rm -f $@"
%.d: $(srcdir)/%.cpp
```

---

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@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "\"s/($\*\)/.o \:\+/g\" > $@; \n[ -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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JUnit test library (junit-4.*.jar) & JaCoCo (*jacoco*)

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SLF4J library (slf4j-api-*.jar)

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inbot-utils (https://github.com/Inbot/inbot-utils)

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1.499 jbossws-cxf-transports-undertow

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* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-
jar/io/undertow/websockets/jsr/handshake/JsrHybi13Handshake.java
* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-
jar/io/undertow/websockets/jsr/SendHandlerAdapter.java
* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-
jar/io/undertow/websockets/jsr/JsrWebSocketMessages.java
* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-
jar/io/undertow/websockets/jsr/annotated/DecoderUtils.java
* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-
jar/io/undertow/websockets/jsr/JsrWebSocketProtocolHandshakeHandler.java
* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-
jar/io/undertow/websockets/jsr/ExtensionImpl.java
* /opt/cola/permits/1110677306_1606843531.63/0/undertow-websockets-jsr-2-0-13-final-sources-

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1.501 popt 1.13 16.el7
1.501.1 Available under license:

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1.502 cracklib 2.9.0-11.el7

1.502.1 Available under license :

----------
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.

-- Nathan

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
>
> 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 GPL-2 ... it was a modified artistic license ... i didnt notice the license change until it was mentioned in the latest notes.

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 library to dictact to application writes what license they should be using.

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

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> 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,
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> >=20
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> > GPL-2 ... it was a modified artistic license ... i didnt notice the
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> > 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.
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.
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

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

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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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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@g...> - 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.

-- Nathan

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@mail...
> [mailto:cracklib-devel-bounces@mail...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@mail...
> Subject: [Cracklib-devel] cracklib license
>
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
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> 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=
GPL-2 ... it was a modified artistic license ... i didn't notice the license=
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 isn't the place of =
a=20
library to dictate 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

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
> >
> > 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
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> > applications are also GPL-2 which imo is just wrong. it isnt the
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> > library to dictact to application writes what license they should
be using.
> > thus LGPL-2.1 enters to fill this void.
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:

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.

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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.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.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.umr.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.umr.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 i91Gxptr020623
   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 11cOcX-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; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-50DD-56FBFEB6E9F@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
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
e-mail
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

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Version 2.1, February 1999

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This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.

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Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

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can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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

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^L

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the 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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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
January 5, 2017
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You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies
of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In
`schema.xml`, it's very simple to make copies of fields:

[source,xml]
----
<copyField source="cat" dest="text" maxChars="30000" />
----

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before
<<understanding-analyzers-tokenizers-and-filters.adoc#understanding-analyzers-tokenizers-and-filters,analysis>> is
done, meaning you can have two fields with identical original content, but which use different analysis chains and
are stored in the index differently.
In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field:

[source,xml]
-----
<copyField source="*_t" dest="text" maxChars="25000" />
-----

[IMPORTANT]
=====
The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.
=====

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., _you cannot_ copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:

[source,xml]
-----
<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>
-----

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Terence Parr
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partr@antlr.org
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new functionality, such as full-featured bi-direction validation
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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

http://wiki.apache.org/solr/CommitterInfo

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NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or rewriting code.

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boilerpipe

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Apache HttpClient

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Woodstox is an XML-parser that allows parsing of XML documents in so-called
pull mode (aka "pull parsing").
It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tata Saloranta (<tatu.saloranta@iki.fi>).

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XZ for Java 1.0 (2011-10-22)

http://tukaani.org/xz/java.html

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VERSION: 2.1 PoliMorf
BUILD: 2016-02-13 19:37:50+01:00
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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:
http://citeseerx.ist.psu.edu/viewdoc/download;?doi=10.1.1.173.1898&rep=rep1&type=pdf

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
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1.526 slf4j 1.7.28

1.527 jetty-security 9.4.20.v20190813
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  * org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

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org.apache.taglibs:taglibs-standard-impl
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli
- org.apache.tomcat:tomcat-jsp-api
- org.apache.tomcat:tomcat-el-api
- org.apache.tomcat:tomcat-jasper-el
- org.apache.tomcat:tomcat-api
- org.apache.tomcat:tomcat-util-scan
- org.apache.tomcat:tomcat-util
- org.mortbay.jasper:apache-el
- org.apache.tomcat:tomcat-jasper-el
- org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

- https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
- org.eclipse.jetty.toolchain:jetty-schemas

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

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/**
 * Indicates that a component is only eligible for registration when all
 * [@linkplain #value() specified conditions] match.
 *
 * A <em>condition</em> is any state that can be determined programmatically
 * before the bean definition is due to be registered (see [@link Condition] for details).
 *
 * The [@code @Conditional] annotation may be used in any of the following ways:
 *
 * - as a type-level annotation on any class directly or indirectly annotated with
 *   [@code @Component], including [@link Configuration @Configuration] classes</li>
 * - as a meta-annotation, for the purpose of composing custom stereotype
 *   annotations</li>
 * - as a method-level annotation on any [@link Bean @Bean] method</li>
 * </ul>
 *
 * If a [@code @Configuration] class is marked with [@code @Conditional], all of the
 * [@code @Bean] methods and [@link Import @Import] annotations associated with that class
 * will be subject to the conditions.
 *
 * NOTE: [@code @Conditional] annotations are not inherited; any conditions from
 * superclasses or from overridden methods are not being considered.
 *
 * @author Phillip Webb
 * @since 4.0
 * @see Condition
 */
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jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
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*/
/**
 * [link FactoryBean] that obtains a WebSphere [link javax.management.MBeanServer]
 * reference through WebSphere's proprietary [code AdminServiceFactory] API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the [code MBeanServer] for bean references.
 * This FactoryBean is a direct alternative to [link MBeanServerFactoryBean],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 *
 * @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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1.546 args4j 2.33

1.547 jdeparser 1.0.0.Final

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1.548 springfox-spring-web 2.9.2

1.549 nghttp2 1.15.0

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

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1.559 git 1.8.3.1 21.el7_7

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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6.0.11-final-sources-1-jar/org/hibernate/validator/internal/util/TypeHelper.java

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 */

/**
 * Retrieves constraint related meta data for the parameters of the given
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 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6.0.11-final-sources-1-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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* A method-level constraint, that evaluates a script expression against the
  * annotated method or constructor. This constraint can be used to implement
  * validation routines that depend on several parameters of the annotated
  * executable.
* </p>

* <p>
* Script expressions can be written in any scripting or expression language,
* for which a `<a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>`
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* </p>

* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>

* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }}
* </pre>

* Can be specified on any method or constructor.

* </p>

* @author Gunnar Morling

*/

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jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForMap.java
* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForLong.java
* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-
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jar.org/hibernate/validator/number/bound/decimal/DecimalMaxValidatorForDouble.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1.jar/org/hibernate/validator/internal/metadata/aggregated/rule/ParallelMethodsMustNotDefineParameterConstraints.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1.jar/org/hibernate/validator/internal/metadata/valueextraction/OptionalLongValueExtractor.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1.jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetadataBuilder.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1.jar/org/hibernate/validator/internal/metadata/xml/config/BootstrapConfigurationImpl.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/package-info.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForCollection.java
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* /opt/cola/permissions/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permissions/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-mapping-1.0.xsd
* /opt/cola/permissions/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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The End

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1.575 go-systemd v4

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1.577 cxf-rt-ws-policy 3.2.5-jbossorg-1
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1.579 spring-web-mvc 5.2.10.RELEASE
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/*
XSLT-driven View that allows for response context to be rendered as the
result of an XSLT transformation.

<p>The XSLT Source object is supplied as a parameter in the model and then
{ @link #locateSource detected } during response rendering. Users can either specify
a specific entry in the model via the { @link #setSourceKey sourceKey } property or
have Spring locate the Source object. This class also provides basic conversion
of objects into Source implementations. See { @link #getSourceTypes() here }
for more details.

<p>All model parameters are passed to the XSLT Transformer as parameters.
In addition the user can configure { @link #setOutputProperties output properties }
to be passed to the Transformer.

@author Rob Harrop
@author Juergen Hoeller
@since 2.0

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* /opt/ws_local/PERMITS_SQL/1068965795_1594435875.33/0/spring-core-5-0-8-release-sources-1.jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
* /opt/ws_local/PERMITS_SQL/1068965795_1594435875.33/0/spring-core-5-0-8-release-sources-1.jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java
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* /opt/ws_local/PERMITS_SQL/1068965795_1594435875.33/0/spring-core-5-0-8-release-sources-1.jar/org/springframework/core/convert/support/StringToCollectionConverter.java
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* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/internal/TrackingUtil.java
* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/internal/ClassUtils.java
* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/internal/DelegatedEntityResolver.java
* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/AbstractPathedOsgiBundleXmlApplicationContext.java
* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/ResourcePathedOsgiBundleXmlApplicationContext.java
* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/internal/DelegatedNamespaceHandlerResolver.java
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* /opt/cola/permits/1003747693_1607117967.5/0/boxspring-osgi-core-1-0-0-beta-4-sources-jar/com/mtvnet/boxspring/osgi/context/BundleContextAwareChildPostProcessor.java
1.586 junit 4.11

1.587 woodstox-core 5.0.3

1.588 expat 2.1.0-12.el7

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*/
A {@link WebApplicationContext} that can be used to bootstrap itself from a contained
{@link ServletWebServerFactory} bean.

This context will create, initialize and run an {@link WebServer} by searching for a
single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}
itself. The{@link ServletWebServerFactory} is free to use standard Spring
concepts(such as dependency injection, lifecycle callbacks and property placeholder variables).

In addition, any {@link Servlet} or {@link Filter} beans defined in the context will be
automatically registered with the web server. In the case of a single Servlet bean, the
"/" mapping will be used. If multiple Servlet beans are found then the lowercase bean
name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').

For more advanced configuration, the context can instead define beans that implement
the {@link ServletContextInitializer} interface (most often
{@link ServletRegistrationBean}s and/or {@link FilterRegistrationBean}s). To prevent
double registration, the use of {@link ServletContextInitializer} beans will disable
automatic Servlet and Filter bean registration.

Although this context can be used directly, most developers should consider using the
{@link AnnotationConfigServletWebServerApplicationContext} or
{@link XmlServletWebServerApplicationContext} variants.

@author Phillip Webb
@author Dave Syer
@see AnnotationConfigServletWebServerApplicationContext
@see XmlServletWebServerApplicationContext
@see ServletWebServerFactory

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  jar/org/springframework/boot/web/embedded/tomcat/TldSkipPatterns.java
* /opt/cola/permits/1110675122_1606843835.27/0/spring-boot-2-1-4-release-sources-2-
  jar/org/springframework/boot/web/embedded/tomcat/DisableReferenceClearingContextCustomizer.java
* /opt/cola/permits/1110675122_1606843835.27/0/spring-boot-2-1-4-release-sources-2-
  jar/org/springframework/boot/web/embedded/tomcat/TomcatReactiveWebServerFactory.java
* /opt/cola/permits/1110675122_1606843835.27/0/spring-boot-2-1-4-release-sources-2-
  jar/org/springframework/boot/web/embedded/undertow/SslServerCustomizer.java
* /opt/cola/permits/1110675122_1606843835.27/0/spring-boot-2-1-4-release-sources-2-
  jar/org/springframework/boot/web/embedded/netty/SslServerCustomizer.java
* /opt/cola/permits/1110675122_1606843835.27/0/spring-boot-2-1-4-release-sources-2-
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Gocheck - A rich testing framework for Go

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1.600 netty 4.1.53.Final

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* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/logging/LoggerConfiguration.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/context/annotation/package-info.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/context/annotation/DeterminableImports.java
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* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/context/properties/bind/validation/package-info.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/web/server/ConfigurableWebServerFactory.java
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* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/DefaultApplicationArguments.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/web/servlet/DelegatingFilterProxyRegistrationBean.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/orm/jpa/EntityManagerFactoryBuilder.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/SpringApplicationRunListener.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/logging/logback/SpringPropertyAction.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/web/LoggingListener.java
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources.jar/org/springframework/boot/context/properties/EnableInjectionPropertiesImportSelector.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot/pom.xml

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* A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
* [@link ServletWebServerFactory] bean.
* <p>
* This context will create, initialize and run an [@link WebServer] by searching for a
* single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
* itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
* (such as dependency injection, lifecycle callbacks and property placeholder variables).
* <p>
* In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.
* 
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069147510_1594514618.5/0/spring-boot-2-1-8-release-sources-jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java

1.607 spring-boot-starter-tomcat

2.1.2.RELEASE

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1.610 lang-mustache-client 6.4.3

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1.611 jnr-constants 0.9.12

1.612 os-prober 1.58-9.el7

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1.637 bcpg-jdk15on 1.61

1.638 spring-data-commons 2.2.11.RELEASE

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1.640 cloudfoundry-clock v1.0.0

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1.644 gstreamer-plugins-base 1.10.4-2.el7

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Original algorithm for the implementation of rk_interval function from Richard J. Wagner's implementation of the Mersenne Twister RNG, optimised by Magnus Jonsson.

Constants used in the rk_double implementation by Isaku Wada.

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# SFC64

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https://gist.github.com/imneme/f1f7821f07cf76504a97f6537c818083

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* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1-jar/io/netty/buffer/AbstractDerivedByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1063377540_1592971879.33/0/netty-buffer-4-1-43-final-sources-1.jar/io/netty/buffer/ByteBufAllocatorMetric.java

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  jar/org/apache/jasper/xmlparser/UTF8Reader.java
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-
  jar/org/apache/jasper/runtime/CharBuffer.java
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-
  jar/org/apache/jasper/compiler/ImplicitTagLibraryInfo.java
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-
  jar/org/apache/jasper/compiler/Dumper.java
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* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-jar/org/apache/jasper/xmlparser/XMLString.java
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-jar/org/apache/jasper/xmlparser/XMLStringBuffer.java
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-jar/org/apache/jasper/xmlparser/EncodingMap.java
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  jar/org/apache/jasper/deploy/TagInfo.java
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-
  jar/org/apache/jasper/deploy/FunctionInfo.java
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  jar/org/apache/jasper/deploy/TagFileInfo.java
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  jar/org/apache/jasper/deploy/TagLibraryInfo.java
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  jar/org/apache/jasper/deploy/TagLibraryValidatorInfo.java
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/**
 * Proprietary method to evaluate EL expressions. XXX - This method should
 * go away once the EL interpreter moves out of JSTL and into its own
 * project. For now, this is necessary because the standard machinery is too
 * slow.
 * *
 * @param expression
 * The expression to be evaluated
 * @param expectedType
 * The expected resulting type
 * @param pageContext
 * The page context
 * @param functionMap
 * Maps prefix and name to Method
 * @return The result of the evaluation
 */

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Found in path(s):
* /opt/cola/permits/1110675917_1606843723.08/0/jastow-2-0-5-final-sources-1-jar/org/apache/jasper/runtime/InstanceManagerFactory.java

1.667 t-digest 3.2

1.668 libbytesize 1.2-1.el7

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* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/io/ClassRelativeResourceLoader.java
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* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/convert/support/NumberToCharacterConverter.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/convert/converter/Converter.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/env/PropertyResolver.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/convert/support/StringToTimeZoneConverter.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/SmartClassLoader.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/DecoratingProxy.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/objenesis/SpringObjenesis.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/annotation/SynthesizedAnnotationInvocationHandler.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/util/backoff/BackOff.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/util/DefaultPropertiesPersister.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/util/backoff/BackOffExecution.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/core/convert/converter/ConverterRegistry.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/AnnotationWriter.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/CurrentFrame.java
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* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/Symbol.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/ByteVector.java
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* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/TypePath.java
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* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/Method TooLargeException.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/FieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1023334023_1591385099.21/0/spring-core-5-1-6-release-sources-jar/org/springframework/asm/AnnotationVisitor.java
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* /opt/cola/permits/1110675541_1606843814.83/0/xnio-nio-3-6-5-final-sources-1-jar/org/xnio/nio/NioTcpServer.java
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* /opt/cola/permits/1110675541_1606843814.83/0/xnio-nio-3-6-5-final-sources-1-jar/org/xnio/nio/NioUdpChannel.java
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#
# This module defines the NIO XNIO provider
org.xnio.nio.NioXnioProvider

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1.676 acl 2.2.51-14.el7atomix1

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This package was debianized by Nathan Scott nathans@debian.org on
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1.677 hibernate-validator 6.0.17.Final

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* 
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*/
/**
***/
* Retrieves constraint related meta data for the parameters of the given executable.
* 
* @param executable The executable of interest.
* 
* @return A list with parameter meta data for the given executable.
*/

Found in path(s):
* /opt/ cola/permits/1110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4.jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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* 
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/valueextraction/ValueExtractorResolver.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/groups/ValidationOrder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/SizeValidatorForArraysOfLong.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/xml/mapping/ConstrainedConstructorStaxBuilder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/EmailValidator.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/raw/ConstrainedField.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForInstant.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForByte.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalTime.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/cfg/defs/NegativeOrZeroDef.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptionsImpl.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/location/ReturnValueConstraintLocation.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/locatons/ReturnValueConstraintLocation.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForReadablePartial.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/package-info.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/constraintvalidation/LambdaBasedValidatorDescriptor.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/facets/Cascadable.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/xml/mapping/ConstraintMappingsStaxBuilder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/raw/ConfigurationSource.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/util/logging/formatter/CollectionOfObjectsToStringFormatter.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/engine/valueextraction/AnnotatedObject.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/internal/metadata/aggregated/MetaDataBuilder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/spi/resourceloading/package-info.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/internal/engine/valueextraction/DoubleArrayValueExtractor.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/parameternameprovider/ParanamerParameterNameProvider.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/internal/util/CollectionHelper.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/internal/constraintvalidators/hv/NotBlankValidator.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/cfg/defs/NotEmptyDef.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/hibernatevalidator/privilegedactions/LoadClass.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/context/HibernateValidatorContext.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernatevalidator/context/TimeValidator.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/internal/engine/messageinterpolation/parser/TokenCollector.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/constraints/bv/CNPJ.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfDouble.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/internal/util/privilegedactions/GetDeclaredConstructors.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/internal/constraintvalidators/bv/number/bound/DecimalMinValidatorForBigDecimal.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/internal/engine/valueextraction/ObjectArrayValueExtractor.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4.jar/org/hibernate/validation/internal/metadata/aggregated/PropertyMetaData.java
jar/org/hibernate/validator/internal/engine/ValueContext.java
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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/metadata/location/BeanConstraintLocation.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/messageinterpolation/ResourceBundleMessageInterpolator.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/xml/mapping/ConstraintTypeStaxBuilder.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/cfg/defs/Mod10CheckDef.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/cfg/defs/PastOrPresentDef.java
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/internal/util/logging/Messages.java

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* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-configuration-1.0.xsd
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-mapping-1.0.xsd
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/org/hibernate/validator/overview.html
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-configuration-2.0.xsd
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml
* /opt/cola/permits/110675267_1606843789.2/0/hibernate-validator-6-0-17-final-sources-4-jar/META-INF/validation-configuration-1.1.xsd

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/**
* A method-level constraint, that evaluates a script expression against the
annotated method or constructor. This constraint can be used to implement
validation routines that depend on several parameters of the annotated
executable.

* Script expressions can be written in any scripting or expression language,
for which a [JSR 223](http://jcp.org/en/jsr/detail?id=223) compatible engine can be
found on the classpath. To refer to a parameter within the scripting
expression, use its name as obtained by the active
[@link javax.validation.ParameterNameProvider](#). By default, `arg0`, `arg1` etc.
will be used as parameter names.

* The following listing shows an example using the JavaScript engine which
comes with the JDK:

```java
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) { ... }
```

* Can be specified on any method or constructor.

* @author Gunnar Morling

/*

Found in path(s):
* /opt/cola/permits/1110675267_1606843789.2/0/hibernate-validator-6.0.17-final-sources-4-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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1.678 netty-buffer 4.1.31.Final

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1.679 cxf-services-ws-discovery-api 3.2.5-jbossorg-1

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/* CMU libasasl
   * Tim Martin
   * Rob Earhart
   * Rob Siemborski
   */

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1.682 mesa 18.3.4-6.el7_7

1.682.1 Available under license:

The MIT License (MIT)

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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
Specifically, if this is done as part of documentation included with Mesa, is that sufficient to meet clause 2 even if the Mesa config option is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez' MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:
2. Redistributions in binary form must reproduce the following statement:

"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

1.683 spring-boot-starter 2.1.2.RELEASE

1.683.1 Available under license:

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

Enterprise-ready production-ready SOAP-Webservices powered by Spring Boot & Apache CXF

[![License](http://img.shields.io/license-apache-blue.svg)](http://www.apache.org/licenses/LICENSE-2.0.html)
This document applies to the next version under development.

Features include:

* **Generating all necessary Java-Classes** using JAX-B from your WSDL/XSDs (using the complementing Maven plugin [cxf-spring-boot-starter-maven-plugin]
* **Booting up Apache CXF within Spring Context with 100% pure Java-Configuration**
* **Complete automation of Endpoint initialization** - no need to configure Apache CXF Endpoints, thats all done for you automatically based upon the WSDL and the generated Java-Classes (bringing up a nice [Spring Boot 1.4.x Failure Message](http://docs.spring.io/spring-boot/docs/current/reference/html/boot-features-spring-application.html#_startup_failure) if you missed something :)
* Customize SOAP service URL and the title of the CXF generated Service site
* **Configures CXF to use slf4j** and serve Logging-Interceptors, to log only the SOAP-Messages onto console
* **Extract the SoapMessages** for processing in ELK-Stack, like [docker-elk](https://github.com/jonashackt/docker-elk)
* Tailor your own custom SOAP faults, that comply with the exceptions defined inside your XML schema
* SOAP Testing-Framework: With XmlUtils to easy your work with JAX-B class handling & a SOAP Raw Client to Test malformed XML against your Endpoints

Documentation

There's also a blog post describing this project: [Spring Boot & Apache CXF SOAP on steroids fueled by cxf-spring-boot-starter](https://blog.codecentric.de/en/2016/10/spring-boot-apache-cxf-spring-boot-starter/)

### Initial Setup

* Create a Spring Boot maven project. Use the spring-boot-starter-parent as a parent and the spring-boot-maven-plugin as a build plugin (you could speed that up, if you use the Spring Initializr).
* Then append cxf-spring-boot-starter as dependency and the [cxf-spring-boot-starter-maven-plugin] as build-plugin (see the example [cxf-boot-simple]):

```xml
<dependencies>
  <dependency>
    <groupId>de.codecentric</groupId>
    ...
<artifactId>cxf-spring-boot-starter</artifactId>
<version>2.1.2.RELEASE</version>
</dependency>
</dependencies>

```
```

```

<build>
<plugins>
<plugin>
<groupId>de.codecentric</groupId>
<artifactId>cxf-spring-boot-starter-maven-plugin</artifactId>
<version>2.0.0.RELEASE</version>
<executions>
<execution>
<goals>
<goal>generate</goal>
</goals>
</execution>
</executions>
</plugin>
</plugins>
</build>

* place your .wsdl-File (and all the imported XSDs) into a folder somewhere under __src/main/resources__ (see [cxf-spring-boot-starter-maven-plugin] for details)

* run __mvn generate-sources__ to generate all necessary Java-Classes from your WSDL/XSD

* Implement the [javax.jws.WebService](http://docs.oracle.com/javaee/7/api/javax/jws/WebService.html) annotated Interface (your generated __Service Endpoint Interface (SEI)__ ) - it is the starting point for your development and is needed to autoconfigure your Endpoints. See the [WeatherServiceEndpoint](https://github.com/codecentric/spring-samples/blob/master/cxf-boot-simple/src/main/java/de/codecentric/soap/endpoint/WeatherServiceEndpoint.java) class inside the [cxf-boot-simple] project.

* Thats it

# Additional Configuration Options

### Customize URL, where your SOAP services are published

* create a application.properties and set the BaseURL of your Webservices via __soap.service.base.url=yourUrlHere__

### Customize title of generated CXF-site
* place a __cxf.servicelist.title=Your custom title here__ in application.properties

### SOAP-Message-Logging

Activate SOAP-Message-Logging just via Property __soap.messages.logging=true__ in application.properties (no more configuration on the Endpoint needed)

SOAP-Messages will be logged only and printed onto STDOUT/Console for fast analysis in development.

### Extract the SoapMessages for processing in ELK-Stack

The cxf-spring-boot-starter brings some nice features, you can use with an ELK-Stack to monitor your SOAP-Service-Calls:

* Extract SOAP-Service-Method for Loganalysis (based on WSDL 1.1 spec, 1.2 not supported for now - because this is read from the HTTP-Header field SoapAction, which isn mandatory in 1.2 any more)
* Dead simple Calltime-Logging
* Correlate all Log-Messages (Selfmade + ApacheCXFs SOAP-Messages) within the Scope of one Service-Consumer`s Call in Kibana via logbacks [MDC], placed in a Servlet-Filter

##### HowTo use

* Activate via Property __soap.messages.extract=true__ in application.properties
* Add a __logback-spring.xml__ file to __src/main/resources__ (otherwise the feature will not be activated) and configure the [logstash-logback-encoder] (which is delivered with this spring-boot-starter), like:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<configuration>
  <include resource="org/springframework/boot/logging/logback/base.xml"/>
  <logger name="org.springframework" level="WARN"/>
  <!-- more logging config here -->
  </configuration>

  <!-- Logstash-Configuration -->
  <appender name="logstash" class="net.logstash.logback.appender.LogstashTcpSocketAppender">
    <destination>${LOGANALYSIS_HOST:-192.168.99.100}:5000</destination>
    <encoder class="net.logstash.logback.encoder.LogstashEncoder">
      <!-- For details see https://github.com/logstash/logstash-logback-encoder/tree/logstash-logback-encoder-4.5 -->
      <destination>${LOGANALYSIS_HOST:-192.168.99.100}:5000</destination> as discribed here:
      http://logback.qos.ch/manual/configuration.html#defaultValuesForVariables
      Set the SystemProperty with
      env LOGANALYSIS_HOST=[$(loganalysis.host)]
      e.g. in a service.upstart.conf.j2, when using Ansible and deploying to Ubuntu -->
      <destination>192.168.99.100:5000</destination>
      <!-- encoder is required -->
      <encoder class="net.logstash.logback.encoder.LogstashEncoder">
* Now some fields will become available in your kibana dashboard (in other words in your elasticsearch index), e.g. soap-message-inbound contains the Inbound Message

* see all of them here [ElasticsearchField.java](https://github.com/codecentric/cxf-spring-boot-starter/blob/master/src/main/java/de/codecentric/cxf/logging/ElasticsearchField.java)

* Additionally [Spring Cloud Sleuth](http://cloud.spring.io/spring-cloud-sleuth/) will provide detailed tracing information of your services. Sleuth will populate the Logback MDC automatically with the tracing information.

You can for example retrieve the Trace-Id of the current call via `MDC.get("X-B3-TraceId")`.

* The default is to use the ELK stack for log analysis. With further configuration you can even extend the tracing infrastructure to use more tailored tracing tools like [Zipkin](http://zipkin.io/).

### Custom SOAP faults for XML Schema Validation Errors

The standard behavior of Apache CXF with XML validation errors (non schema compliant XML or incorrect XML itself) is to return a SOAP fault including the corresponding exception in CXF:

```xml
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:de="de.codecentric.namespace.weatherservice">
  <soap:Body>
    <soap:Fault><faultcode>soap:Server</faultcode>
      <faultstring>wrong number of arguments while invoking public
de.codecentric.namespace.weatherservice.getCityForecastByZIP(de.codecentric.namespace.weatherserviceForecastRequest)
      throws net.bipro.namespace.BiproException with params null.</faultstring>
    </soap:Fault>
  </soap:Body>
</soap:Envelope>
```

Many SOAP based standards demand a custom SOAP-Fault, that should be delivered in case of XML validation errors. To Implement that behavior, you have to:

* Override Method createCustomFaultMessage(FaultType faultContent) an give back appropriate Messages you want to see in faultstring: <soap:Fault><faultstring>YOUR CUSTOM MESSAGE HERE</faultstring>
* Override Method createCustomFaultDetail(String originalFaultMessage, FaultType faultContent) and return the JAX-B generated Object, that represents your WebService Fault-Details (be really careful to take the right one!!, often the term 'Exception' is used twice... - e.g. with the [BiPro]-Services)
* Configure your Implementation as @Bean - only then, XML Schema Validation will be activated

### Testing SOAP web services

##### Create a WebService Client

* If you instantiate a JaxWsProxyFactoryBean, you need to set an Adress containing your configured (or the standard) soap.service.base.url. To get the correct path, just autowire the CxfAutoConfiguration like:

```java
@Autowired
private CxfAutoConfiguration cxfAutoConfiguration;
```

and obtain the __base.url__ and the __serviceUrlEnding__ (this one is derived from the wsdl:service name attribute of your WSDL) by calling

```java
cxfAutoConfiguration.getBaseAndServiceEndingUrl()
```

##### Integrate real XML test files into your Unit-, Integration- or SingleSystemIntegrationTests

As described [in this blogpost](https://blog.codecentric.de/en/2016/06/spring-boot-apache-cxf-testing-soap-webservices/) the best gut feeling one could get while writing SOAP Tests, is the usage of real XML test files. To easily marshall these into your Java classes with JAX-B, this starter brings a utility class [de.codecentric.cxf.common.XmlUtils](https://github.com/codecentric/cxf-spring-boot-starter/blob/master/src/main/java/de/codecentric/cxf/common/XmlUtils.java) with lots of useful methods like __readSoapMessageFromStreamAndUnmarshallBody2Object(java.io.InputStream fileStream, Class<T> jaxbClass)__. Then you could do things inside your testcases like:

```java
@Value(value="classpath:requests/GetCityForecastByZIPTest.xml")
private org.springframework.core.io.Resource GetCityForecastByZIPTestXml;

@Test
public void getCityForecastByZIP() throws WeatherException, BootStarterCxfException, IOException {
    GetCityForecastByZIP getCityForecastByZIP = XmlUtils.readSoapMessageFromStreamAndUnmarshallBody2Object(GetCityForecastByZIPTestXml.getInputStream(), GetCityForecastByZIPTestXml.class);
    ...
}
```
##### SOAP Raw client

 Enables automatic testing of malformed XML Requests (e.g. for Testing your Custom SOAP faults) with the [de.codecentric.cxf.soaprawclient.SoapRawClient](https://github.com/codecentric/cxf-spring-boot-starter/blob/master/src/main/java/de/codecentric/cxf/soaprawclient/SoapRawClient.java). To use it in your Testcases, initialize the SoapRawClient inside a @Configuration annotated Class like this:

```java
@Bean
public SoapRawClient soapRawClient() throws BootStarterCxfException {
    return new SoapRawClient(buildUrl(), YourServiceInterface.class);
}
```

```java
public String buildUrl() {
    // return something like http://localhost:8084/soap-api/WeatherSoapService
    return "http://localhost:8084" + cxfAutoConfiguration.getBaseAndServiceEndingUrl();
}
```

```java
@Autowired
private CxfAutoConfiguration cxfAutoConfiguration;
```

### Running Client-only mode

If youd like to run Apache CXF only to call other SOAP web services but dont want to provide one for yourself, than booting up a complete server is a bit to much for you. Therefore youre also able to deactivate the Complete automation of Endpoint initialization feature, which only makes sense if you have an Endpoint to fire up. You can deactivate it with the following propery in your application.properties:

```properties
endpoint.autoinit=false
```

# Concepts

#### Complete automation of Endpoint initialization

##### 100% contract first approach

Taking into account a __100% contract first development approach__ there shouldnt be a single reason, why one has to manually configure Endpoints in Apache CXF - because pretty much every piece of information that is necessary to configure them should be available through the WSDL. Since the start of this spring-boot-starter project, this was a thought that didnt let me go.

To understand, how the complete automation of Endpoint initialization is implemented in the cxf-spring-boot-
starter, lets first have a look on how the initialization works without the help of the starter. To instantiate & publish a `org.apache.cxf.jaxws.EndpointImpl`, we need the SEI implementing class and the generated WebServiceClient annotated class. In a non-automated way to use Apache CXF to fire up JAX-WS endpoints, this is done with code like this:

```java
@Bean
public WeatherService weatherService() {
    return new WeatherServiceEndpoint();
}

@Bean
public Endpoint endpoint() {
    EndpointImpl endpoint = new EndpointImpl(springBus(), weatherService());
    endpoint.setServiceName(weather().getServiceName());
    endpoint.setWsdlLocation(weather().getWSDLDocumentLocation().toString());
    endpoint.publish(serviceUrlEnding());
    return endpoint;
}

@Bean
public Weather weather() {
    // Needed for correct ServiceName & WSDLLocation to publish contract first incl. original WSDL
    return new Weather();
}
```

The easier parts are the SpringBus, which we already have instantiated in our [CxfAutoConfiguration](https://github.com/codecentric/cxf-spring-boot-starter/blob/master/src/main/java/de/codecentric/cxf/configuration/CxfAutoConfiguration.java), and the serviceUrlEnding, which is constructed from the configurable base url and the WSDL tags `service name` content. To instantiate the EndpointImpl, set the service name and the WSDL location correctly, we need the __SEI implementing class__ (which you have to write yourself, because its the starting point for your implementation) and the generated __WebServiceClient annotated class__.

##### Scanning...

Because a spring-boot-starter is a generic thing everybody can use just via including it in the pom, these two classes are not fixed - they are always generated or derived from generated classes. Therefore we have to search for them - according to some things we know. The search is done with the help of Springs [ClassPathScanningCandidateComponentProvider](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.html) (instead of using the really nice [fast-classpath-scanner](http://stackoverflow.com/questions/259140/scanning-java-annotations-at-runtime/1415338#comment70214187_1415338), which didnt work well in this use case).

Either scanning framework you use, self written or library - any of them will be much faster, if you have the package names of the searched classes. In some scenarios -especially with the ClassPathScanningCandidateComponentProvider used here - you __have to know__ the packages, otherwise
scanning will fail (because it tries to double-scan \[the package org.springframework itself](https://github.com/spring-projects/spring-boot/issues/3850)). So to search for the WebServiceClient annotated class and the SEI itself (which we need to scan for the SEI implementation, which is only characterized due to the fact of implementing the SEI), we need to somehow know their package beforehand.

Here \[cxf-spring-boot-starter-maven-plugin](https://github.com/codecentric/cxf-spring-boot-starter-maven-plugin) comes to our rescue. With the new 1.0.8s feature \[Extract the targetNamespace from the WSDL, generate the SEI and WebServiceClient annotated classes package names from it & write it together with the projects package name into a cxf-spring-boot-maven.properties](https://github.com/codecentric/cxf-spring-boot-starter-maven-plugin/issues/6) the package names are extracted into a \[_cxf-spring-boot-maven.properties_\] file inside your `project.buildpath` while a `mvn generate-sources` is ran. The package name of the WebServiceClient annotated class and the SEI are derived from the WSDL:

> To get this 100% right, we need to use the same mechanism as the \[jaxws-maven-plugin](https://github.com/mojohaus/jaxws-maven-plugin), which itself uses \[WSimportTool](https://github.com/gf-metro/jaxws/blob/master/jaxws-ri/tools/wscompile/src/main/java/com/sun/tools/ws/wscompile/WSimportTool.java) of the \[JAXWS-RI implementation](https://github.com/gf-metro/jaxws) to obtain the package-Name from the WSDL file, where the classes are generated to. The `_WSDLs targetNamespace_` is used to generate the package name. If you have targetNamespace="http://www.codecentric.de/namespace/weatherservice/" for example, your package will be de.codecentric.namespace.weatherservice. One can find the code used to generate the package name in the \[WSDLModeler](https://github.com/gf-metro/jaxws/blob/master/jaxws-ri/tools/wscompile/src/main/java/com/sun/tools/ws/processor/modeler/wsdl/WSDLModeler.java) at line 2312 (This algorithm is specified in the JAXB spec. So we rely onto it):

```java
String wsdlUri = document.getDefinitions().getTargetNamespaceURI();
return XJC.getDefaultPackageName(wsdlUri);
```

The package name of the SEI implementing class is a bit more of a guesswork, because this class could literally reside everywhere. BUT: If you start a project to use a spring-boot-starter, the 99,9% case will be to start with a Maven pom - and even faster through the usage of the \[Spring initializr](http://start.spring.io/). It should be safe to rely on that and just guess the package name from your projects pom. This will in 99,9% of all cases contain your SEI implementing class, which is your entry point to develop a SOAP web service with this starter and CXF.

#### Auto initialize the Endpoint!

\![Complete automation of endpoint initialization](https://github.com/codecentric/cxf-spring-boot-starter/blob/master/completeAutomationOfEndpointInitialization.png)

Now having the package names of every needed class residing in the \[_cxf-spring-boot-maven.properties_\] file after a run of `mvn generate-sources`, using Springs \[ClassPathScanningCandidateComponentProvider](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.html) to scan for the WebServiceClient annotated class is easy - just adding a new \[AnnotationTypeFilter](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.html) to scan for the

\[AnnotationTypeFilter](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.html) and voila weve got the class. Obtaining the class of an interface which has some annotation isnt possible with the Spring scanner at first sight (and therefore we had a \[long experimenting phase with the fast-classpath-scanner](https://github.com/codecentric/cxf-spring-boot-}
But looking a bit deeper, this is also possible - just via a [really small hack :)
](http://stackoverflow.com/questions/17477255/component-scan-for-custom-annotation-on-interface/41504372#41504372), which only means to override the
[ClassPathScanningCandidateComponentProvider](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.html):

```java
ClassPathScanningCandidateComponentProvider scanningProvider = new
ClassPathScanningCandidateComponentProvider(false) {
    @Override
    protected boolean isCandidateComponent(AnnotatedBeanDefinition beanDefinition) {
        return true;
    }
};
```

Now were able to scan for the SEI. And with that and adding the
[AssignableTypeFilter](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/core/type/filter/AssignableTypeFilter.html) we also get the needed SEI implementing class.

Having all the three necessary classes at hand, we can easily and automatically fire up a
'org.apache.cxf.jaxws.EndpointImpl'!

If you start your Spring Boot application and everything went fine, then you should see some of those log messages inside your console:

```log
[...] INFO 83684 --- [ost-startStop-1] d.c.c.a.WebServiceAutoDetector           : Found WebServiceClient class:
'de.codecentric.namespace.weatherservice.Weather'
[...] INFO 83684 --- [restartedMain] d.c.c.a.WebServiceAutoDetector           : Found Service Endpoint Interface
(SEI): 'de.codecentric.namespace.weatherservice.WeatherService'
[...] INFO 83684 --- [restartedMain] d.c.c.a.WebServiceAutoDetector           : Found SEI implementing class:
'de.codecentric.soap.endpoint.WeatherServiceEndpoint'
```

###### Deactivate autoinitialization

Although it should be a great feature to be able to work 100% contract first, there might be situations, where one
wants to deactivate it. E.g. while running in [client-only mode](https://github.com/codecentric/cxf-spring-boot-starter#running-client-only-mode).

Because there is (& sadly will be) [no @ConditionalOnMissingProperty in Spring Boot](https://github.com/spring-projects/spring-boot-projects/spring-boot/issues/4938), we need to use a workaround:

```java
@Bean
@ConditionalOnProperty(name = "endpoint.autoinit", matchIfMissing = true)
```
public Endpoint endpoint() throws BootStarterCxfException ...

To get the desired deactivation flag nevertheless, we need to use the
interesting way :) With the usage of `matchIfMissing = true` and `name = "endpoint.autoinit"` the autoinit feature is activated in situations, where the property is missing or is set to `true`. Only, if `endpoint.autoinit=false` the feature is disabled (which is quite ok in our use-case).

##### Setting the URL of the endpoint

You can manually specify the url of the Service Endpoint using the spring property:
`soap.service.publishedEndpointUrl`. This can be handy if your application is behind a reverse proxy and the resulting WSDLs don't reflect that.

# Known limitations

#### Using devtools with mvn spring-boot:run

If you want to use the well known [Spring Boot Developer Tools (devtools)](http://docs.spring.io/spring-boot/docs/current/reference/htmlusing-boot-devtools.html) - no problem. As long as you dont want to use `mvn spring-boot:run`. Because of the devtools make usage of the [2 separate classloaders](http://docs.spring.io/spring-boot/docs/1.4.2.RELEASE/reference/htmlsingle/#using-boot-devtools-restart) the scanned, found and instantiated classes arent valid inside the other classloader and you could get into [trouble](https://github.com/codecentric/cxf-spring-boot-starter/issues/6). This is only in combination with the [Complete automation of Endpoint initialization feature](https://github.com/codecentric/cxf-spring-boot-starter#complete-automation-of-endpoint-initialization) and the starting method `mvn spring-boot:run`. All the other starting mechanisms of Spring Boot will work as expected (`java -jar service.jar`, Starting inside the IDE via `Run as...` or in `mvn test`).

# Contribution

If you want to know more or even contribute to this Spring Boot Starter, maybe you need some information like:
* [The Missing piece - how @Conditional is also needed for your own custom spring boot starter](https://www.packtpub.com/books/content/writing-custom-spring-boot-starters)
* [Boot your own Infrastructure - JavaMagazin](https://public.centerdevice.de/a10fb484-49a8-4a70-ada9-5eeda8c69465)

[BiPro]:https://bipro.net
[logstash-logback-encoder]:https://github.com/logstash/logstash-logback-encoder
[MDC]:http://logback.qos.ch/manual/mdp.html
1.684 httpclient 4.5.6

1.684.1 Available under license:

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* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.groovy
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/propertyeditors/URLEditor.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/support/ResourceEditorRegistrar.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/config/Scope.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/BeanInitializationException.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/config/Scope.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/BeanInitializationException.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/BeanInitializationException.java

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* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/support/ResourceEditorRegistrar.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/config/Scope.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/BeanInitializationException.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/BeanInitializationException.java
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  jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/annotation/Qualifier.java
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  jar/org/springframework/beans/factory/annotation/Autowire.java
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  jar/org/springframework/beans/factory/config/SetFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/propertyeditors/CustomMapEditor.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/support/BeanDefinitionDefaults.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/parsing/Location.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/support/ArgumentConvertingMethodInvoker.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/support/MethodOverride.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/config/ProviderCreatingFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/support/PropertiesFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/config/ObjectFactoryCreatingFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/propertyeditors/ClassArrayEditor.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/support/InjectionPoint.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/BeanWrapper.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/wiring/BeanMetadataAttributeAccessor.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
  jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-
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The code snippet includes paths to various Java files in the `spring-beans-5.1.4-release-sources.jar` package. These files are part of the Spring framework, which is a popular open-source library for building Java applications. The files listed are related to the beans module of the Spring framework, which is used for managing application state and dependencies. The files include:

- `ResourceBundleEditor.java`
- `NamespaceHandlerSupport.java`
- `ManagedProperties.java`
- `GenericTypeAwareAutowireCandidateResolver.java`
- `CharArrayPropertyEditor.java`
- `DocumentDefaultsDefinition.java`
- `ListableBeanFactoryExtensions.kt`
- `CustomAutowireConfigurer.java`
- `AnnotationBeanUtils.java`
- `ReaderContext.java`
- `ImportDefinition.java`
- `ChildBeanDefinition.java`
- `MapFactoryBean.java`
- `BeanExpressionResolver.java`
- `PatternEditor.java`
- `BeanDefinitionVisitor.java`
- `StringTrimmerEditor.java`
- `PropertyPathFactoryBean.java`
- `PropertiesEditor.java`
- `MethodInvokingBean.java`
- `GenericTypeAwarePropertyDescriptor.java`
- `BeanDefinitionHolder.java`
- `EmbeddedValueResolver.java`
- `TypedStringValue.java`
- `TypedStringValue.java`

These files are part of the Spring Beans module, which is responsible for managing the lifecycle of objects, resolving dependencies, and managing the application's state. The Spring framework is widely used in enterprise Java applications for its robustness and flexibility.
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* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/annotation/InjectionMetadata.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/support/ManagedMap.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/config/FieldRetrievingFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/support/StaticListableBeanFactory.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessorAdapter.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/annotation/BeanFactoryAnnotationUtils.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/xml/PluggableSchemaResolver.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
* /opt/ws_local/PERMITS_SQL/1089321002_1600118529.6/0/spring-beans-5-1-4-release-sources-jar/org/springframework/beans/support/PropertyComparator.java
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1.723 libxmu 1.1.2-2.el7

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 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
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 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/config/ContextNamespaceHandler.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/config/SchedulerBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scripting/support/RefreshableScriptTargetSource.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/HierarchicalMessageSource.java

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found in path(s):
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources.jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
* reference through WebSphere's proprietary [@code AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the [@code MBeanServer] for bean references.
* This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* 
* <p>See the javadocs for WebSphere's
* 
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scripting/support/StandardScriptEvalException.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/PayloadApplicationEvent.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/ComponentScans.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/ImportResource.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/annotation/ManagedResource.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/ManagedMetric.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/remoting/RemoteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/support/CronTrigger.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/support/PeriodFormatter.java
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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/annotation/ComponentEnable.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/annotation/ComponentDisable.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/annotation/Component.java
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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scripting/ScriptEvaluator.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/EventListenerFactory.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/event/EventListenerFactory.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/event/EventListenerFactory.java
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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/ApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/AnnotationConfigRegistry.java

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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/cache/interceptor/BasicOperation.java
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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/format/AnnotationFormatterFactory.java
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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/SpringModelMBean.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java

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 */
* Indicates that a component is only eligible for registration when all
* {linkplain #value specified conditions} match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see {link Condition} for details).
*
* <p>The {code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* {code @Component}, including {link Configuration @Configuration} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype annotations</li>
* <li>as a method-level annotation on any {link Bean @Bean} method</li>
* </ul>
* *
* <p>If a {code @Configuration} class is marked with {code @Conditional},
* all of the {code @Bean} methods, {link Import @Import} annotations, and
* {link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
* *
* <p><strong>NOTE</strong>: Inheritance of {code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* {code @Conditional} itself is not declared as
* {link java.lang.annotation.Inherited @Inherited}; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* {code @Conditional} must not be declared as {code @Inherited}.
* *
* {author Phillip Webb
* {author Sam Brannen
* {since 4.0
* {see Condition
*/

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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/context/annotation/MBeanExportConfiguration.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/annotation/EnableAsync.java
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* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-jar/org/springframework/scheduling/annotation/EnableAsync.java
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jar/org/springframework/cache/annotation/EnableCaching.java
* /opt/ws_local/PERMITS_SQL/1089321016_1600118480.81/0/spring-context-5-1-4-release-sources-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
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jar/org/springframework/context/EmbeddedValueResolverAware.java
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jar/org/springframework/format/annotation/DateTimeFormat.java
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1.725 jboss-marshalling 1.4.11.Final

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Julian Seward, jseward@acm.org

1.731 classmate 1.5.1
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Other developers who have contributed code are:

* Brian Langel

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**1.732 bcmail 1.60.0.0**

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2d055067c18f2cf9 bsd.img

---layout----------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device  Boot Start  End Sectors  Size Id  Type
<removed>1  2048  4095  2048  1M  83 Linux

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

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-------

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device  Boot Start  End Sectors  Size Id  Type
<removed>1  2048  4095  2048  1M  83 Linux
<removed>2  4096 20479  16384  8M a5 FreeBSD

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

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout-------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice  Start  End Sectors  Size  Type  Fsize Bsize Cpg
c  4096 20479  16384  8M unused  0  0  0
d  0 16064  16065  7.9M unused  0  0  0
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
---------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------
Welcome to fdisk <removed>. Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

<table>
<thead>
<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Type</th>
<th>Fsize</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>0</td>
<td>10</td>
<td>512</td>
<td>4.2BSD</td>
<td>0.5M</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>c</td>
<td>0</td>
<td>10</td>
<td>512</td>
<td>4.2BSD</td>
<td>0.5M</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>10</td>
<td>512</td>
<td>4.2BSD</td>
<td>0.5M</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
---------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
---------------------

0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap       6 Eighth Edition a unknown   e ADOS
2 Version 6  7 4.2BSD        b HPFS   f HFS
3 Version 7  8 MS-DOS        c ISO-9660 10 AdvFS
4 System V

Command (m for help):
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1.735 websocket-common 9.3.9.v20160517

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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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* 
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* 
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"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 contribu-
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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
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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
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A. HISTORY OF THE SOFTWARE

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

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

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

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

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The original XML Schemas for Java EE Deployment Descriptors:
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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
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```
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```

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* /opt/cola/permits/1106204308_1607117720.71/0/postgresql-42-2-14-jre7-sources-
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* support, InputStream and OutputStream stuff and some unneeded encode/decode methods have been
* removed.</p>
*<p>-- Original comments follow --</p>
*<p>Encodes and decodes to and from Base64 notation.</p>
*<p>Change Log:
</p>
*<ul>
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience
* methods for reading and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other
* encodings (like EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a
* single byte.</li>
* <li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more
* consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed
* and will decompress it automatically. Generally things are cleaner. You'll probably have to
* change some method calls that you were making to support the new options format ({@code int}s
* that you "OR" together).</li>
* <li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using
* { @code decode( String s, boolean gzipCompressed ) }. Added the ability to "suspend" encoding in
* the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an
* otherwise "normal" stream (like an XML file).</li>
* <li>v1.5 - Output stream pases on flush() command but doesn't do anything itself. This helps when
* using GZIP streams. Added the ability to GZip-compress objects before encoding them.</li>
* <li>v1.4 - Added helper methods to read/write files.</li>
* <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last
* buffer being read, if not completely full, was not returned.</li>
* <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
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* @author Robert Harder
* @author rob@iharder.net
* @version 2.1
*/

Found in path(s):
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Bundle-License: BSD-2-Clause
Implementation-Version: 42.2.14.jre7
Specification-Vendor: Oracle Corporation
Specification-Title: JDBC
Implementation-Vendor-Id: org.postgresql
Specification-Version: 4.1
Implementation-Vendor: PostgreSQL Global Development Group

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1.760 libldbc 1.5.4 1.el7
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* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1068272003_1594337999.69/0/netty-handler-4-1-45-final-sources-1-jar/io/netty/handler/ssl/KeyManagerFactoryWrapper.java
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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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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

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functions (ten lines or less in length), then the use of the object
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Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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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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1.782 pam-tacplus 1.6.1-1

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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Mersenne Twister

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

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

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

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

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Sockets
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
strtol and dtoa
-------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project::

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libmpdec
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1.797 argparse 0.7.0

1.798 api-ldap-extras-util 1.0.0-M20

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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline}.
*
* <h3>Sub-types</h3>
* <p>
* [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>[ @link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[ @link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>[ @link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
* <li>[ @link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
* <li>[ @link ChannelDuplexHandler] to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
* <p>
* The context object</p>
* <p>
* A [ @link ChannelHandler] is provided with a [ @link ChannelHandlerContext]
* object. A [ @link ChannelHandler] is supposed to interact with the
* [ @link ChannelPipeline] it belongs to via a context object. Using the
* context object, the [ @link ChannelHandler] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [ @link AttributeKey]s) which is specific to the handler.
* <h3>State management</h3>
* 
* A [ @link ChannelHandler] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
*<pre>*
* public interface Message {
*     // your methods here
* }
*<pre>*

* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
*     <b>private boolean loggedIn;</b>
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
*<pre>*

* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
*<pre>*
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler();</b>);
*     }
* }
*<pre>*

*<h4>Using {@link AttributeKey}s</h4>*

* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
*{@link ChannelHandlerContext}:
* public interface Message {
  * // your methods here
  * }
  *
  * {@code @Sharable}
  * public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
  * private final AttributeKey<Message>& Boolean > auth = AttributeKey.valueOf("auth");
  *
  * { @code @Override}
  * public void channelRead(ChannelHandlerContext ctx, Message message) {
  *    Attribute<Message>& Boolean > attr = ctx.attr(auth);
  *    if (message instanceof LoginMessage) {
  *      authenticate((LoginMessage) o);
  *      attr.set(true);
  *    } else (message instanceof GetDataMessage) {
  *      if ((<b>Boolean.TRUE.equals(attr.get())</b>) {
  *        ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
  *      } else {
  *        fail();
  *      }
  *    }
  * }
  * ...
  * }
  *
  * Now that the state of the handler is attached to the ChannelHandlerContext, you can add the same handler instance to different pipelines:
  *
  * public class DataServerInitializer extends ChannelInitializer<Channel> {
  *   private static final DataServerHandler SHARED = new DataServerHandler();
  *
  *   { @code @Override}
  *   public void initChannel(Channel channel) {
  *     channel.pipeline().addLast("handler", <b>SHARED</b>);
  *   }
  * }
  *
  * The @Sharable annotation
  * In the example above which used an AttributeKey, you might have noticed the @Sharable annotation.
  * If a ChannelHandler is annotated with the @Sharable
* annotation, it means you can create an instance of the handler just once and
* add it to one or more [ChannelPipeline]s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* 
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the [ChannelHandler], and
* [@link ChannelPipeline] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

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jar/io.netty.channel/nio/SelectedSelectionKeySetSelector.java`
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 * /opt/cola/permits/1110676194_1606843461.55/0/netty-transport-4-1-34-final-sources-2-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
 * /opt/cola/permits/1110676194_1606843461.55/0/netty-transport-4-1-34-final-sources-2-jar/io/netty/channel/socket/DatagramPacket.java
 * /opt/cola/permits/1110676194_1606843461.55/0/netty-transport-4-1-34-final-sources-2-jar/io/netty/channel/SucceededChannelFuture.java

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* /opt/cola/permits/1110676194_1606843461.55/0/netty-transport-4-1-34-final-sources-2-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/cola/permits/1110676194_1606843461.55/0/netty-transport-4-1-34-final-sources-2-jar/io/netty/channel/Channel.java
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* /opt/cola/permits/1110676194_1606843461.55/0/netty-transport-4-1-34-final-sources-2.jar/io/netty/channel/ChannelMetadata.java
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  jar/io/netty/channel/ReflectiveChannelFactory.java
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  jar/io/netty/channel/ChannelFactory.java
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for the most recent information and original sources about ipvsadm.

To make, make sure your Linux kernel is already patched with IPVS and "make menuconfig" or "make xconfig" to setup the right compiling options, see the README of the virtual server patch for detail, then simply type make in the source directory.

Install to your liking. We suggest the following pathnames:
/sbin/ipvsadm
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Wensong Zhang <wensong@linuxvirtualserver.org>

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1.808 wildfly-launcher 6.0.2.Final

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That's all there is to it!
String port) { public DomainCommandBuilder setProcessControllerPort(final int port) { public
DomainCommandBuilder setBaseDirectory(final String baseDir) { public DomainCommandBuilder
setBaseDirectory(final Path baseDir) { public DomainCommandBuilder setHostControllerJavaHome(final String
javaHome) { public DomainCommandBuilder setHostControllerJavaHome(final Path javaHome) { public
DomainCommandBuilder setHostConfiguration(final String configFile) { public DomainCommandBuilder
setReadonlyHostConfiguration(final String configFile) { public DomainCommandBuilder
setDomainConfiguration(final String configFile) { public DomainCommandBuilder
setReadOnlyDomainConfiguration(final String configFile) { public DomainCommandBuilder
addHostControllerJavaOption(final String arg) { public DomainCommandBuilder
addHostControllerJavaOptions(final String... args) { public DomainCommandBuilder
addHostControllerJavaOptions(final Iterable<String> args) { public DomainCommandBuilder
addProcessControllerJavaOption(final String arg) { public DomainCommandBuilder
addProcessControllerJavaOptions(final String... args) { public DomainCommandBuilder
addProcessControllerJavaOptions(final Iterable<String> args) { public DomainCommandBuilder
setProcessControllerJavaOption(final String... args) { public DomainCommandBuilder
setProcessControllerJavaOptions(final String... args) { public DomainCommandBuilder
setProcessControllerJavaOptions(final Iterable<String> args) { public DomainCommandBuilder
setServerJavaHome(final String javaHome) { public DomainCommandBuilder setServerJavaHome(final Path
javaHome) {'

1.809 xerces-j 2.12.0.sp02

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&lt;li&gt;Don Hillsberry &lt;hillsber&#064;dialcorp.com&gt; - S/Mime testing and debugging.&lt;/li&gt;
&lt;li&gt;Kazuo Furuya &lt;kfuruya&#064;infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.&lt;/li&gt;
&lt;li&gt;Jason Novotny &lt;jnovotny&#064;lbl.gov&gt; - initial work on the OpenSSL PEM processing.&lt;/li&gt;
&lt;li&gt;Joel Hockey &lt;joel.hockey&#064;qsipayments.com&gt; - initial work on the OpenSSL PEM processing.&lt;/li&gt;
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&lt;li&gt;Casey Marshall &lt;rdio&#064;metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE. &lt;li&gt;Rick Zeldes &lt;rick.zeldes&#064;eds.com&gt; - initial code for CMS/SMIME CompressedData.&lt;/li&gt;
&lt;li&gt;Jarek Gawor &lt;gawor&#064;rncz.gov.pl&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.&lt;/li&gt;
&lt;li&gt;Brett Neumeier &lt;random&#064;rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.&lt;/li&gt;
&lt;li&gt;Graham Coles &lt;graham.coles&#064;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.&lt;/li&gt;
&lt;li&gt;J&amp;ouml;x von Kattch&amp;eacute; &lt;kattchee&#064;seeburger.de&gt; - patch to SMIMEGenerator for preventing class exceptions with BodyParts containing Multipart objects.&lt;/li&gt;
&lt;li&gt;Matteo Artuso &lt;martartusso&#064;libero.it&gt; - picking up the possible overload in ASN1InputStream.&lt;/li&gt;
&lt;li&gt;Julian Morrison &lt;julian&#064;extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.&lt;/li&gt;
&lt;li&gt;Elmar Sonnenschein &lt;eso&#064;esomail.de&gt; - fix to long conversion in clean room SecureRandom.&lt;/li&gt;
&lt;li&gt;J&amp;ouml;x Schwarze &lt;J.Schwarze&#064;ulc.de&gt; - Locale fix for the clean room JCE.&lt;/li&gt;
&lt;li&gt;Bryan Lovquist &lt;bkl&#064;cps.com.au&gt; - Other provider compatibility fixes for CMS signing.&lt;/li&gt;
&lt;li&gt;Artem Portnoy &lt;Artem_Portnoy&#064;ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.&lt;/li&gt;
&lt;li&gt;Michael H&amp;ouml;user &lt;haeusler&#064;ponton-consulting.de&gt; - missing OID update for SHA1 with RSA
Signature.</li>
<li>Johan Seland <johans@netfonds.no> - general toString for BigInteger class.</li>
<li>Johannes Nicolai <johannes.nicolai@novosec.com> - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
<li>Marc Doberva <marc.doberva@ilex-si.com> - help in isolating the JSSE/BC RSA key issue.</li>
<li>Jan Dvorak <jan.dvorak@mathan.cz> - initial implementation of the light weight Null block cipher.</li>
<li>Joe Cohen <jcohen@forumsys.com> - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
<li>Chris Long <aclong@ece.cmu.edu> - adding public key decoding to PEMReader.</li>
<li>Hes Siemelink <hes@izecom.com> - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
<li>Stefan Puiu <stefanpuiuro@yahoo.com> - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
<li>Kaiser Yang <kaiseryang@yahoo.com> - Finding BigInteger loop problem in prime generation.</li>
<li>Jiri Urbanec <jiri.urbanec@logicacmg.com> - patch to fix defect in DERBMPString.equals().</li>
<li>Justin Kolb <jkolb@pristx.com> - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
<li>Ralf Hauser <ralfhauser@604gmx.ch> - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator.</li>
<li>Michal Dvorak <mdvorak@604kb.cz> - getNextUpdate patch for OCSP SingleResp.</li>
<li>Klaus Greve Fiorentini <klaus@604cpqd.com.br> - array fix in PGP PublicKeyEncSessionPacket.</li>
<li>Olivier Refalo <Olivier_Refalo@fpl.com> - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
<li>Mariusz Bandola <mariusz.bandola@cryptotech.com.pl> - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>
<li>Brien Oberstein <brien.oberstein@transacttools.net> - patch to S2K algorithm in OpenPGP, initial PG version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.</li>
<li>Ian Haywood <ian@604haywood.bpa.nu> - addition of getSignatureType to PGPSignature.</li>
<li>Jonathan Edwards <s34gull@mac.com> - initial support for reading multiple rings from a PGP key file.</li>
<li>Andrew Thornton <andrew@cryptotech.com.pl> - patch for RSA PUBLIC KEY in PEMReader.</li>
<li>Gregor Leander <gl@604bos-bremen.de> - initial parsing of multiple sequence entries in an X.500 Name.</li>
<li>Antoon Bosselaers <Antoon.Bosselaers@esat.kuleuven.ac.be> - help with RipeMD320 implementation.</li>
<li>Peter Sylvester <Peter.Sylvester@604edelweb.fr> - improvements to the ASN.1 BasicConstraints object.</li>
<li>Doug <ummmmm@604myrealbox.com> - addition of isEncryptionKey method to OpenPGP public keys.</li>
<li>Francois Staes <fstaes@604netconsult.be> - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed content info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer <wdittmer@604cs.vu.nl> - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPUtility to fix nullpointer exception.</li>
<li>Perez Paz Luis Alberto <laperez@604banxico.org.mx> - patch to use of BitString in X.500 name.</li>
<li>James Wright <James.Wright@604harte-hanks.com> - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford <jim@604muirford.com> - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hausler <haeusler@604ponton-consulting.de> - extra aliases for provider.
Sai Pullabhotla <psai@linoma.com> - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller <joseph@064digiweb.net.nz> - addition of ZeroBytePadding.

Lars <xyz@064sagemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen <jeroen@064vanvianen.nl> - the Signed and Encrypted mail example.

Jun Sun <JSun@064diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem <pdukem@email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva <filipe.silva@064wedoconsulting.com> - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar <alps@064linuxmail.org> - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach <jgengelbach@064webmethods.com> - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug <doug@064tigerprivacy.com> - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy <mmundy1@umbc.edu> - infinite loop prevention patch to PKCSS5ParametersGenerator.

Tom Cargill <cargill@064profcon.com> - spelling patch in provider.

Breitenstrom Christian <C.Breitenstrom@064t-systems.com> - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko <zanotti@cad.it> - patch to ordered equality test for X509Name.

Nicola Scendoni <ncsendoni@064babelps.it> - patch to add sorting to CertPath validation.

Ville Skyyt&auml; <ville.skyyta@064iki.fi> - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon <bruce.gordon@savvis.net> - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley <Miles.Whiteley@064savvis.net> - "223" fix for BCPGInputStream new packets.

Albert Moliner <amoliner@064evintia.com> - initial TSP implementation.

Carlos Lozano <carlos@064evintia.com> - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javi Delgadillo <javi@064jav.codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala <joni.hahkala@064cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

Rolf Schilling <rolf@064isir-wum.de> - initial implementation of Attribute Certificate generation.

Sergey Bahtin <Sergey_Bahtin@yahoo.com> - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

Franck Leroy <Franck.Leroy@keynectis.com> - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiro Yamakawa <ymmk@064jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov <styrex@064reksoft.ru> - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer <soren.hilmer@tietoenator.com> - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell <mitchell@064intertrust.com> - patch for stateful path validator fix. Patch to allow BigInteger
class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

- Dirk Eisner <d.eisner@seeburger.de> - initial implementation of ISO 7816-4 padding.
- Julien Pasquier <julienpasquier@604free.fr> - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.
- Matteo <matartuso@604libero.it> - sequence patch to ASN1Dump.
- Andrew Paterson <andrew.paterson@604burnsees.com> - patches to PGP tools, isRevoked method on PGPPublicKey.
- Vladimir Molotkov <vladimir.molotkov@604intel.com> - extensive provider exception handling compliance testing.
- Florin Kollan <adlocflo@604web.de> - fix to ElGamalKeyParameters equality testing.
- Pavel Vassiliev <paulvas@604gmail.com> - Initial GOST28147Mac implementation.
- Tom Pesman <tom@604nux.net> - addition of DES-ede encryption for RSAPrivate keys to PEMWriter.
- Lukasz Kowalczyk <lukasz.b.kowalczyk@604gmail.com> - patch to fix parsing issue with OpenSSL PEM based certificate requests.
- Arndt Hasch <Arndt.Hasch@maxence.de> - additional fix for partial reading with new style PGP packets.
- Fix Bernd (KCDP 11) <bernd.fix@credit-suisse.com> - fix for 31 byte issue and exception throwing by Whirlpool.
- David M. Lee <dmlee@604crossroads.com> - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.
- Mike Dillon <md5@embody.org> - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.
- tu-vi cung <t2cung@hotmail.com> - patch for out of bounds problem in getDecoderStream method.
- Chris Schultz <cschultz@604gmail.com> - fix for InputStream constructor for X509V2AttributeCertificate.
- David M. Lee <dmlee@604crossroads.com> - implementation assistance with streaming CMS classes.
- Joel Rees <rees@604ddcom.co.jp> - fix to correct getOID methods from returning same set on X.509 attribute certificates.
- Francesc Sau <francesc.sau@604partners.netfocus.es> - micro fix for tsp Accuracy class.
- Larry Bugbee <bugbee@604mac.com> - initial ECNR implementation.
- Remi Blancher <Remi.Blancher@604keynectis.com> - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.
- Brian O'Rourke <brianorourke@604gmail.com> - patch for signature creation time override in OpenPGP.
- Andreas Schwier <andreas.schwier@604cardcontact.de> - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-ede MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.
- David Josse <david.josse@transacttools.net> - Patch for trailer function in version 2 signature packets.
- Kishimoto Kazuhiko <kazu-k@604hi-ho.ne.jp> - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
- Lawrence Tan <lwrncan@604gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.
- Carlos Valiente <superdupont@604gmail.com> - Addition of CRL writing to the PEMWriter class.
- Olaf Keller, <olaf.keller.bc@604bluewin.ch> - initial implementation of the elliptic curves over binary fields.
F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

- patch to fix EOF read on SharedFileInputStream, support for F2m compression.

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

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

Carlos Lozano Ruiz <carlos@#064tradise.com> - patch for <ctrl><m> only handling in CRLOutputStream.

John Alfred Prufrock <j.a.prufrock@#064gmail.com> - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen <sneusatz@#064gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice <marzio.logiudice@#064gmail.com> - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold <georg.lippold@#064gmx.de> - initial implementation of NaccacheStern cipher.

Chris Viles <chris_viles@#064yahoo.com> - fix to SignatureSubpacket critical bit setting.

Pasi Eronen <Pasi.Eronen@#064nokia.com> - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova <maria.ivanova@#064gmail.com> - support for tags > 30 in ASN.1 parsing.

Armin H&auml;berling <arminha@student.ethz.ch> - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder <mschilder@#064google.com> - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch <xavier@#064brittanysoftware.com> - general code clean ups.

Erik Tews <e_tews@#064cdc.informatik.tu-darmstadt.de> - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon <reikomusha@#064gmail.com> - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis <info@#064frankcornelis.be> - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim <rjoaquim@#064cc.isel.ipl.pt> - initial implementation of RSA binding for signatures.

David Stacey <DStacey@#064allantgroup.com> - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers <list@#064mitm.nl> - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies <juliusdavies@#064gmail.com> - additional modes and algorithm support in PEMReader.
Matthias <g@064rtner.de> - GnuPG compatibility changes for PBEFileProcessor.
Olga K@olga.caethler@olga.kaethler@064hip-consulting.com - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.
Germino Rizzo <germano.rizzo@064gmail.com> - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.
N@uacute;ria Mar@uacute;i; <numaa@064hotmail.com> - patch for alternate data type recognition in CMSSignedDataParser.
Janis Schuller <js@064ti.de> - addition of NotationData packets for OpenPGP.
Michael Samblenet <mike@064samblenet.com> - patches towards improved Sun/default provider support in CMS.
Mike StJohns <mstjohns@064comcast.net> - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.
Ramon Keller <ramon.keller@064gmx.ch> - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.
Mark Nelson <mark@064nbr.com> - correction to excluded DN in name constraints processing for PKIX processing.
Eugene Golushkov <eugene_gff@064ukr.net> - mask fix to single byte read in TLsInputStream.
Julien Pasquier <julienpasquier@064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.
Peter Knopp <pknopp@064mtg.de> - fix for named curve recognition in ECGOST key generation.
Jakub Gwozdz <gwozdziu@064rpg.pl> - addition of getTsa() to TimeStampTokenInfo.
Bartosz Malkowski <bmalkow@064tigase.org> - initial implementation of VMPC cipher, VMPCRandomeGenerator, VMPCMac.
Tal Yacobi <tal.yacobi@064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].
Massimiliano Ziccardi <massimiliano.ziccardi@064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.
Andrey Pavlenko <andrey.a.pavlenko@064gmail.com> - security manager patch for PKCS1Encoding property check.
Mike StJohns <mstjohns@064comcast.net> - updates to KeyPurposeId.
J Ross Nicoll <jrn@064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.
Matthew Stevenson <mavricknz@064yahoo.com> - patch to constructor for CRMF CertSequence.
Gabriele Contini <gcontini@064hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEFs.
Roelof Naude <roelof.naude@064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.
Patrik Peck <peck@064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
Michael LeMay <lemaymd@064lemaymd.com> - identified problem with EAX [#BJA-93].
Alex Dupre <sale@064FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].
Michael Schoene <michael@064sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().
Jon Larra@ntilde;aga <ilarra@064s21sec.com> fix to default partial packet generation in BCPGOutputStream.
Bob Kerns <bob.kerns@064positscience.com> fix to hashCode for X509CertificateObject.
Stefan Meyer <stefan.meyer@064ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.
Robert J. Moore <Robert.J.Moore@allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai <ru@ndo.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic <emir.bucalovic@604mail.com> initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson <tobbe79@064mail.com> initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick <bouncycastle_pfitz@064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparision fix to BCStrictStyle.

Henrik Andersson <k.henrik.andersson@064gmail.com> addition of UniqueIssuerID to certificate generation.

Cagdas Cirit <cagdascirit@064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.

Harakiri <harakiri_23@064yahoo.com> datahandler patch for attached parts in SMIME signatures.

Emir Bucalovic <emir.bucalovic@604mail.com> initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson <tobbe79@064mail.com> initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick <bouncycastle_pfitz@064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparision fix to BCStrictStyle.

Lothar Kinneringer <job@064kinneringer.de> verbose mode for ASN1Dump, support for DERExternal.

Richard Farr <rfarr.se@064gmail.com> initial SRP-6a implementation.

Thomas Castiglione <castiglione@064au.ibm.com> patch to encoding for CRMF OptionalValidity.

Elisabetta Romani <eromani@064sogei.it> patch for recognising multiple counter signatures.

Robin Lundgren <r737lundgren@064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec <smormegil@064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener <antener_a@064gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat <hsrawat@064yahoo.com> fix for BERConstructedOctetString.

Rolf Lindemann <lindemann@064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamonov <alexart.home@064gmail.com> name look up patch for GOST-2001 parameters.

Mike Lyons <mlyons@064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.

Chris Cole <chris_hCole@064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek <tom@064stack.cz> added checking of Sender header to SignedMailValidator.

Michael <emfau@064t-online.de> correction of field error in getResponse method in CertRepMessage.

Trevor Perrin <trevor@064cryptography.com> addition of constant time equals to avoid possible timing attacks.

Markus Kilgies <markus@064primekey.se> several enhancements to TimeStampResponseGenerator.

Dario Novakovic <darionis@064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith <msmith@064cnbco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio <andrea.zilio@064gmail.com> fix for PEM password encryption of private keys.

Alex Birkett <alexbirght.064birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant <waynedgrant@064gmail.com> additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis <info@064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner <jan@064dittberner.info> addHeader patch for SMIME generator.

Bob McGowan <boab.mcgoo@064btinternet.com> patch to support different content and mgf digests in PSS
<li>Ivo Matheis &lt;i.matheis@seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;nessche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfilmalf@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso.massa@064insiel.it&gt; contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo &lt;gboccardo@064unicaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociński &lt;j.sikociinski@064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudojeljev &lt;jhudojeljev@064gmail.com&gt; JavaDoc fix to CMSignedDataParser.</li>
<li>Liane Velten &lt;lian.velten@064hjp-consulting.com&gt; fine tuning of code for DHPublicParameters validation.</li>
<li>Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid@064ntgtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin &lt;signat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Petar Petrov &lt;p.petrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementions of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;Andy.Neilson@quest.com&gt; a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth@064WPECGLTvbViiRi6Y7Vz12Lvd2EUWV9w9v3yNV3IWRQG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny@064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for Aead.</li>
<li>Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;phil_b@064yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&amp;keacutε:n Borell &lt;samuel@064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner@064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington@064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher.
methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.</li>

-Marcus Lundblad <marcus.lundblad@primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>

-Andrey Zhozhin <zhozhin@0xcrm.ru> patch for override of TSP SignerInfo attributes.</li>

-Sergey Tionov <s5555d@064gmail.com> initial cut of DVCS classes.</li>

-Damian Kolasa <fatfredyy@064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.</li>

-Ash Hughes <ashley.hughes@064blueyonder.co.uk> patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>

-Daniel Hirscher <dev@064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.</li>

-Daniele Ricci <daniele.athome@064gmail.com> initial implementation of EC keys for OpenPGP and RFC6373 support.</li>

-Matti Aarnio <matti.aarnio@064mathics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.</li>

-Babak Najafi <bnajafi@064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.</li>

-Eric M&uuml;ller <eric.mueller@sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.</li>

-Mathias Herbergs <Mathias.Herbergs@064gmail.com> fix to inOff usage in RFC3394WrapEngine.</li>

-Daniil Ivanov <daniil.ivanov@064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.</li>

-Daniele Grasso <daniele.grasso@064gmail.com> contributions to final Key calculation code for SRP6.</li>

-Andrey Utkin <cindrhc@064gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>

-Arnis Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>

-AxelVDB <axel-vdb@riseup.net> initial implementation of Shacal2.</li>

-Roberto Tyley <> further work on completing gradle build.</li>

-Waldemar Dick <wdick@064devmue.de> code improvement in x500 ASN.1 package.</li>

-Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.</li>

-Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.</li>

-Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>

-Andreas Reiter <andreas.reiter@064iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>

-Kieran Miller <kieran.miller@064gmail.com> initial implementation for RFC 5649 key wrap with padding.</li>

-Oliver Ehli <ehli@064arago.de> Additional support for BSI plain ECDSA in the provider.</li>

-Daniel Heldt <Daniel.Heldt@064cryptovision.com> Initial support for encodable state message digests.</li>

-Robert Bushman <bouncycastle@064traxel.com> Clean up of DirectKeySignature example.</li>

-Maurice Aarts <aarts@064risecure.com> updated to KDF generator to follow NIST SP 800-108.</li>

-Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.</li>

-KB Sriram <mail_kb@yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.</li>

-Marc Schulze <marco@064nightlabs.de> Reported verification bug in GenericSigner.</li>

- Lijun Liao &lt;jun.liao@#064gmail.com&gt; added getSignatureAlgorithmID to BasicOCSPResp.
- dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.
- Tobias Wich &lt;tobias.wich@#064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.
- Hauke Mehrten &lt;hauke@#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
- Daniel Zimmerman &lt;dmz@#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.
- Jens Kapitza &lt;jt.kapitza@#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
- Johan Eklund &lt;johan@#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
- niko@&lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch &lt;axel-vdb@#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
- Derek Atkins &lt;derek@#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.
- Peter Jr Halicky &lt;peto@#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.
- Thomas Belot &lt;thomas.belot+BC@#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.
- Rich DiCroce &lt;https://github.com/dicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
- Bj@ouml;rn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).
- Dominik Sch&uuml;rmann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.
- Michael &lt;MSKnete@#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys.
- Tobias Wagner &lt;tobias.wagner@#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].
- Sergio Giro &lt;sgiro@#064google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.
- bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.
- Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.
- Jan Willem Janssen &lt;j.w.janssen@bouncycastle@#064xtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.
- Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.
- Kai Kramer &lt;kai.kramer@#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.
- Benoit Charles &lt;benoit.charles@#064opentrust.com&gt; Fix for IES data length check on decryption.
- Niki &lt;nfin95@#064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.
- akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.
- Matthias Edelhoff &lt;Matthias.Edelhoff@#064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX
Lukasz Deputat <lukasz.deputat@gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].

Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjecFactory to handle stream packets at start of iterated data.

Andrzej Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.

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jar/org/eclipse/jgit/transport/SshSessionFactory.java
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jar/org/eclipse/jgit/transport/FetchProcess.java
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jar/org/eclipse/jgit/transport/SideBandInputStream.java
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jar/org/eclipse/jgit/internal/storage/file/PackIndexWriter.java
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*/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5.0.2-201807311906-r-sources-2-
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- /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/treewalk/TreeWalk.java
- /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/dircache/DirCacheEditor.java
- /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/dircache/DirCacheIterator.java
- /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/dircache/DirCacheBuilder.java
- /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/dircache/DirCacheTree.java
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/**
* Fetch objects we don't have but that are reachable from advertised refs.
* <p>
* Only one call per connection is allowed. Subsequent calls will result in
* {@link org.eclipse.jgit.errors.TransportException}.
* </p>
* <p>
* Implementations are free to use network connections as necessary to
* efficiently (for both client and server) transfer objects from the remote
* repository into this repository. When possible implementations should
* avoid replacing/overwriting/duplicating an object already available in
* the local destination repository. Locally available objects and packs
* should always be preferred over remotely available objects and packs.
* {@link org.eclipse.jgit.transport.Transport#isFetchThin()} should be
* honored if applicable.
* </p>
* @param monitor
* progress monitor to inform the end-user about the amount of
* work completed, or to indicate cancellation. Implementations
* should poll the monitor at regular intervals to look for
* cancellation requests from the user.
* @param want
* one or more refs advertised by this connection that the caller
* wants to store locally.
* @param have
* additional objects known to exist in the destination
* repository, especially if they aren't yet reachable by the ref
* database. Connections should take this set as an addition to
* what is reachable through allRefs, not in replace of it.
* @throws org.eclipse.jgit.errors.TransportException
* objects could not be copied due to a network failure,
* protocol error, or error on remote side, or connection was
* already used for fetch.
*/

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  jar/org/eclipse/jgit/transport/PostUploadHook.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/gitrepo/RepoCommand.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/errors/PatchApplyException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/errors/PatchFormatException.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/diff/EditList.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/revwalk/FooterLine.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/util/io/InterruptTimer.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/internal/storage/file/ObjectDirectory.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/internal/storage/file/PackLock.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/errors/PackMismatchException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/errors/PackInvalidException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/util/io/InterruptTimer.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/internal/storage/file/RefDirectory.java

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  jar/org/eclipse/jgit/events/ConfigChangedListener.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
  jar/org/eclipse/jgit/events/IndexChangedListener.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
  jar/org/eclipse/jgit/events/RefsChangedListener.java

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  jar/org/eclipse/jgit/internal/storage/file/PackedBatchRefUpdate.java

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  jar/org/eclipse/jgit/internal/storage/reftable/ReftableReader.java

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  jar/org/eclipse/jgit/internal/storage/reftable/RefTable.java

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  jar/org/eclipse/jgit/internal/storage/reftable/RefTableOutputStream.java

* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
  jar/org/eclipse/jgit/internal/storage/reftable/BlockWriter.java

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  jar/org/eclipse/jgit/internal/storage/reftable/RefCursor.java

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  jar/org/eclipse/jgit/internal/storage/reftable/LogCursor.java

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  jar/org/eclipse/jgit/transport/InternalHttpServerGlue.java
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  jar/org/eclipse/jgit/errors/DirCacheNameConflictException.java
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  jar/org/eclipse/jgit/transport/PushCertificate.java
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  jar/org/eclipse/jgit/transport/PushCertificateStore.java
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  jar/org/eclipse/jgit/transport/PushCertificateIdent.java
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  jar/org/eclipse/jgit/transport/UserAgent.java
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  jar/org/eclipse/jgit/transport/SignedPushConfig.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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  jar/org/eclipse/jgit/errors/UnsupportedPackIndexVersionException.java
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  jar/org/eclipse/jgit/transport/TcpTransport.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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*/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
jar/org/eclipse/jgit/api/RemoteAddCommand.java
*/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
jar/org/eclipse/jgit/api/RemoteListCommand.java
*/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/transport/HttpConnectionFactory.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/ignore/FastIgnoreRule.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/ignore/internal/NameMatcher.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/lib/Config.java

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 * A special exception thrown when {@link AutoLFInputStream} is told to
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 * may be thrown at any stage during reading.
 *
 * @since 3.3
 */

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/transport/BundleWriter.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/transport/UploadPack.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/transport/SideBandOutputStream.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/transport/BaseReceivePack.java

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/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5.0.2-201807311906-r-sources-2.jar/org/eclipse/jgit/errors/SymlinksNotSupportedException.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/patch/Patch.java
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jar/org/eclipse/jgit/transport/resolver/ServiceNotEnabledException.java
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jar/org/eclipse/jgit/internal/storage/pack/IntSet.java
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jar/org/eclipse/jgit/internal/storage/dfs/DfsStreamKey.java
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jar/org/eclipse/jgit/internal/storage/dfs/DeltaBaseCache.java
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  jar/org/eclipse/jgit/internal/storage/file/GcLog.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/errors/TranslationBundleLoadingException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/errors/TranslationBundleException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/notes/DefaultNoteMerger.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/notes/DefaultNoteMerger.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/notes/NoteMapMerger.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/notes/NoteMapMerger.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/nls/TranslationBundle.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/errors/TranslationStringMissingException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/notes/NoteMerger.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/notes/NotesMergeConflictException.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/errors/LockFailedException.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/submodule/SubmoduleWalk.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/SubmoduleStatusCommand.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/SubmoduleAddCommand.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/revwalk/RevTree.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2.jar/org/eclipse/jgit/revwalk/RevBlob.java
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  jar/org/eclipse/jgit/lib/TypedConfigGetter.java
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  jar/org/eclipse/jgit/events/WorkingTreeModifiedEvent.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/transport/PackedObjectInfo.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/storage/file/WindowCacheStats.java

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/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/lib/ReflogReader.java

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/**
 * {@inheritDoc}
 * <p>
 * Free resources associated with this instance.
 * <p>
 * If the repository was opened by a static factory method in this class,
 * then this method calls {@link Repository#close()} on the underlying
 * repository instance. (Whether this actually releases underlying
 * resources, such as file handles, may vary; see {@link Repository} for
 * more details.)
 * <p>
 * If the repository was created by a caller and passed into
 * {@link #Git(Repository)} or a static factory method in this class, then
 * this method does not call close on the underlying repository.
 * <p>
 * In all cases, after calling this method you should not use this
 * {@link Git} instance anymore.
 *
 * @since 3.2
 */

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  jar/org/eclipse/jgit/internal/storage/file/PackBitmapIndexRemapper.java
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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  jar/org/eclipse/jgit/treewalk/CanonicalTreeParser.java
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  jar/org/eclipse/jgit/util/HttpSupport.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/SubmoduleDeinitResult.java

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	/opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/internal/storage/file/PackFile.java

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* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/CreateBranchCommand.java
* /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-jar/org/eclipse/jgit/api/DeleteBranchCommand.java

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jar/org/eclipse/jgit/fnmatch/GroupHead.java
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jar/org/eclipse/jgit/fnmatch/AbstractHead.java
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- /opt/cola/permits/1110676752_1606843642.21/0/org-eclipse-jgit-5-0-2-201807311906-r-sources-2-
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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache
The following artifacts are ASL2 licensed.

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

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.
1.819 asm-debug-all 5.1

1.820 artemis-tools 2.6.3.jbossorg-001

1.820.1 Available under license:

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=head1 NAME

Date::Language::Hungarian - Magyar format for Date::Format

=head1 SYNOPSIS

my $lang = Date::Language->new('Hungarian');
print $lang->time2str("%a %b %e %T %Y", time);

@lt = localtime(time);
print $lang->time2str($template, time);
print $lang->strftime($template, @lt);
print $lang->time2str($template, time, $zone);
print $lang->strftime($template, @lt, $zone);

print $lang->ctime(time);
print $lang->asctime(@lt);
print $lang->ctime(time, $zone);
print $lang->asctime(@lt, $zone);

See L<Date::Format>.

=head1 AUTHOR

Paula Goddard (paula -at- paulacska -dot- com)

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  ExtUtils::MakeMaker: 0
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dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.64, CPAN::Meta::Converter version 2.120921'
license: perl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: TimeDate
no_index:
directory:
  - t
  - inc
requires: {}
resources:
  repository: http://github.com/gbarr/perl-TimeDate
version: 2.30

This is the perl5 TimeDate distribution. It requires perl version 5.003 or later

This distribution replaces my earlier GetDate distribution, which was only a date parser. The date parser contained in this distribution is far superior to the yacc based parser, and a *lot* fatser.

The parser contained here will only parse absolute dates, if you want a date parser that can parse relative dates then take a look at the Time modules by David Muir on CPAN.

You install the library by running these commands:
perl Makefile.PL
make
make test
make install

Please report any bugs/suggestions to <gbarr@pobox.com>

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=encoding utf8

=head1 NAME

Date::Language::Bulgarian - localization for Date::Format

=head1 DESCRIPTION

This is Bulgarian localization for Date::Format.
It is important to note that this module source code is in utf8.
All strings which it outputs are in utf8, so it is safe to use it currently only with English. You are left alone to try and convert the output when using different Date::Language::* in the same application.
This should be addressed in the future.

=head1 SYNOPSIS

use strict;
use warnings;
use Date::Language;
local $=/=$/;
my $template = '%a %b %e %T %Y (%Y-%m-%d %H:%M:%S);
my $time = 1290883821; #or just use time();
my @lt = localtime($time);
my %languages = qw(English GMT German EEST Bulgarian EET);
binmode(select,'utf8');

foreach my $l(keys %languages){
my $lang = Date::Language->new($l);
my $zone = $languages{$l};
print $/. "$l $zone";
print $lang->time2str($template, $time);
print $lang->time2str($template, $time, $zone);
print $lang->strftime($template, \@lt);
}
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1.834 mesa 18.3.4-7.el7_8.1
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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> > What we meant with that is that we made an exception for clause 2.
> > Instead of clause 2, in the case of the Mesa project, you have to name
> > the technique Jimenez's MLAA in the config options of Mesa. We did that
> > just to allow them to solve license issues. This exception should be for
> > the Mesa project, and any project using Mesa, like Fedora.
> > > We want to widespread usage of our MLAA, so we want to avoid any kind of
> > license complications. Hope current one is good for Fedora, if not
> > please tell, and we'll see what we can do!
>
Okay, a few more questions:
* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with Mesa, is that sufficient to meet clause 2 even if the Mesa config option is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,
~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing
Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
  *
  * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  * Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
  *
  * Only for use in the Mesa project, this point 2 is filled by naming the
  * technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project
1.835 spring-context 5.2.10.RELEASE

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 */
/**
 * Indicates that a component is only eligible for registration when all
 * { @linkplain #value specified conditions} match.
 *
 * <p>A <em>condition</em> is any state that can be determined programatically
 * before the bean definition is due to be registered (see { @link Condition} for details).
 *
 * <p>The { @code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* [ [@code @Component], including [ @link Configuration @Configuration] classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any [ @link Bean @Bean] method</li>
* </ul>

* 

* <p>If a [ @code @Configuration] class is marked with [ @code @Conditional],
* all of the [ @code @Bean] methods, [ @link Import @Import] annotations, and
* [ @link ComponentScan @ComponentScan] annotations associated with that
* class will be subject to the conditions.
* 
* <p><strong>NOTE</strong>: Inheritance of [ @code @Conditional] annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* [ @code @Conditional] itself is not declared as
* [ @link java.lang.annotation.Inherited @Inherited]; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* [ @code @Conditional] must not be declared as [ @code @Inherited].
* 
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/annotation/Conditional.java

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*/
jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/ResourceLoaderAware.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/scheduling/annotation/Async.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/event/EventExpressionEvaluator.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/ApplicationEvent.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/jmx/access/MBeanClientInterceptor.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/cache/CacheManager.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/support/ResourceBundleMessageSource.java
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jar/org/springframework/format/datetime/standard/InstantFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/scheduling/support/TaskUtils.java

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*
*/
/**
* Abstract the invocation of a cache operation.
*
* Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
*
* @author Stephane Nicoll
* @since 4.1
*/

Found in path(s):
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/jmx/export/notification/ModelMBeanNotificationPublisher.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/validation/BindingResult.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/annotation/Scope.java
null
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/context/support/MessageSourceSupport.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/context/support/DateTimeConverters.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/scheduling/concurrent/DefaultManagedAwareThreadFactory.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/validation/Validator.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/jmx/export/assembler/AbstractConfigurableMBeanInfoAssembler.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/jndi/JndiCallback.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/cache/interceptor/CacheOperationExpressionEvaluator.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/context/event/DefaultEventListenerFactory.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/interceptor/VariableNotAvailableException.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/annotation/EnableCaching.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/interceptor/CacheOperation.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/format/datetime/DateFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/support/MessageSourceAccessor.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/validate/SmartValidator.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/annotation/AbstractAsyncConfiguration.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/format/datetime/standard/DateTimeContextHolder.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/remoting/support/RemoteInvocation.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/interceptor/SimpleCacheResolver.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/interceptor/NameMatchCacheOperationSource.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/ApplicationContextInitializer.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/annotation/AdviceMode.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/i18n/LocaleContextHolder.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/MBeanExportOperations.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/remoting/support/RemotingSupport.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/expression/CachedExpressionEvaluator.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/validation/FieldError.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/remoting/rmi/RmiRegistryFactoryBean.java
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/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary {@code AdminServiceFactory} API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the {@code MBeanServer} for bean references.
 *
 * <p>This {@code FactoryBean} is a direct alternative to {@link MBeanServerFactoryBean},
 * which uses standard JMX 1.2 API to access the platform's {@link MBeanServer}.
 *
 * <p>See the javadocs for WebSphere's
 *
 * &lt;a href="https://www.ibm.com/support/knowledgecenter/SSEQTJ_9.0.0/com.ibm.websphere.javado
c/doc/web/apidocs/com/ibm/websphere/management/AdminServiceFactory.html">{@code AdminServiceFactory}&lt;/a&gt;
 *
 * &lt;a href="https://www.ibm.com/support/knowledgecenter/SSEQTJ_9.0.0/com.ibm.websphere.javado
c/doc/web/apidocs/com/ibm/websphere/management/MBeanFactory.html">{@code MBeanFactory}&lt;/a&gt;.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/scripting/ScriptEvaluator.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/format/datetime/joda/MonthDayFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/annotation/ManagedOperation.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/annotation/ImportResource.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/annotation/CacheConfig.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/annotation/Role.java
Jar file org/springframework/scripting/config/LangNamespaceHandler.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/format/datetime/joda/DurationFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/format/datetime/joda/PeriodFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/format/number/PercentStyleFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/context/annotation/ComponentScans.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/jmx/export/annotation/ManagedNotification.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/jmx/export/annotation/ManagedMetric.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/scripting/support/StandardScriptEvalException.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/jmx/export/annotation/ManagedResource.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/scheduling/support/CronTrigger.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/remoting/RemoteTimeoutException.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/context/PayloadApplicationEvent.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/format/datetime/joda/PeriodFormatter.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources.jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java

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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/cache/support/CompositeCacheManager.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/index/CandidateComponentsIndex.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
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jar/org/springframework/context/support/PostProcessorRegistrationDelegate.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/annotation/ConditionBeanDefinitionReader.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-
jar/org/springframework/context/annotation/ComponentScan.java

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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/context/config/FixedRateTask.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/jndi/TypeMismatchNamingException.java
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* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/format/datetime/DateTimeFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1104729291_1604648915.12/0/spring-context-5-2-10-release-sources-jar/org/springframework/format/datetime/JodaDateTimeFormatAnnotationFormatterFactory.java
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1.836 opensaml-storage-api 3.3.0

1.837 taglibs-standard 1.2.6-RC1
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/Multimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/ForwardingSet.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/ImmutableList.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/TreeMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/ForwardingListIterator.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/MultimapBuilder.java

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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ComputationException.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ComparisonChain.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/DiscreteDomain.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
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Found in path(s):
  * /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/base/CommonPattern.java
  * /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/base/CommonMatcher.java
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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

Found in path(s):
/opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/Striped.java

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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/AbstractGraph.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/Comparators.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/AbstractValueGraph.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/EndpointPair.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/MutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/NetworkBuilder.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/ConfigurableMutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/ConfigurableValueGraph.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/GraphConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/EndpointPairIterator.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/MapRetrievalCache.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
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  jar/com/google/common/collection/ImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/ImmutableCollection.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/RegularImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/ImmutableMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/Platform.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/Tables.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/Range.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/ImmutableMapKeySet.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/TreeBasedTable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/Table.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/Serialization.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/HashBasedTable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/ImmutableMapValues.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/collection/RegularImmutableBiMap.java
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jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/io/ReaderInputStream.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/hash/FarmHashFingerprint64.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/Platform.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/hash/MacHashFunction.java

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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/eventbus/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/eventbus/Subscriber.java

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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *     ImmutableSortedMap#of(Comparable, Object)}</b>.
 */

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  jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/hash/AbstractHashFunction.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/primitives/ImmutableDoubleArray.java
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* the License.
*/
/**
* Outer class that exists solely to let us write { @code Partially.GwtIncompatible } instead of plain
* { @code GwtIncompatible }. This is more accurate for { @code Futures#catching }, which is available
* under GWT but with a slightly different signature.
* 
* &lt;p&gt;We can't use { @code PartiallyGwtIncompatible } because then the GWT compiler wouldn't recognize
* it as a { @code GwtIncompatible } annotation. And for { @code Futures.catching }, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/Partially.java
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jar/com/google/common/reflect/package-info.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/xml/package-info.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/reflect/Invokable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/io/ByteSource.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/reflect/Parameter.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/math/StatsAccumulator.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/io/BaseEncoding.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/escape/package-info.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/math/Stats.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/hash/ChecksumHashFunction.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/SortedMultiset.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/SortedMultisets.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/collect/IndexedImmutableSet.java

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/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/base/Strings.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/base/Ascii.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/primitives/package-info.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/annotations/Beta.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/SortedLists.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/annotations/package-info.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/net/package-info.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/Monitor.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/base/Equivalence.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/Atomics.java

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jar/com/google/common/escape/Escaper.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Doubles.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/net/InetAddresses.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/internal/Finalizer.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Longs.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/io/MultiReader.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/Converter.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Booleans.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Floats.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Ints.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/CharMatcher.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/net/PercentEscaper.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/Joiner.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Chars.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Shorts.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/Bytes.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/collect/FluentIterable.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/io/FileBackedOutputStream.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
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jar/com/google/common/hash/HashCode.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/net/HostAndPort.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/cache/AbstractCache.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/math/DoubleMath.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/Enums.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/base/Absent.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/cache/Weigher.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/primitives/UnsignedInteger.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/math/IntMath.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/collect/BoundType.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
jar/com/google/common/collect/TreeRangeSet.java
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- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/net/MediaType.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/base/Optional.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/collection/AbstractSortedMultiset.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/hashing/Murmur3_128HashFunction.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/hashing/HashingOutputStream.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/math/BigIntegerMath.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/util/concurrent/AsyncFunction.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/hash/Crc32cHashFunction.java
- /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/guava-28-0-android-sources.jar/com/google/common/math/DoubleUtils.java
jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/hash/PrimitiveSink.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/collection/EmptyContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/math/LongMath.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/cache/ForwardingCache.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/cache/RemovalCause.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/base/PairwiseEquivalence.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/hash/AbstractHasher.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/hash/Funnels.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/collect/Queues.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/net/HttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/primitives/UnsignedLong.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
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  jar/com/google/common/base/Verify.java
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  jar/com/google/common/hash/HashingInputStream.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/io/CharSequenceReader.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/reflect/TypeVisitor.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/base/Utf8.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
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  jar/com/google/common/collect/FilteredMultimapValues.java
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  jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/util/concurrent/Runnables.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-
  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java

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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/AllEqualOrdering.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/DescendingMultiset.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/ForwardingImmutableList.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/TreeTraverser.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/FilteredMultimap.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/RangeMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/CompactLinkedHashMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/AbstractMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/ForwardingBlockingDeque.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collection/EvictingQueue.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/util/concurrent/MoreExecutors.java

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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources.jar/com/google/common/graph/PredecessorsFunction.java
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   * /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/io/MultiInputStream.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/Interners.java
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* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ObjectCountHashMap.java
* /opt/ws_local/PERMITS_SQL/1070825299_1594748139.03/0/guava-28-0-android-sources-jar/com/google/common/collect/ObjectCountLinkedHashMap.java

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collector. Later contributions should instead be mentioned in
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HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser supplied Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

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(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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Specification-Version: 1.6
Specification-Vendor: aspectj.org
Implementation-Title: org.aspectj.tools
Implementation-Version: 1.6.5
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1.851 xorg-randr 7.5

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  jar/org/springframework/.expression/spel/ast/OperatorPower.java
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  jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/cola/permits/1110675922_1606842995.89/0/spring-expression-5-1-6-release-sources-
  jar/org/springframework/expression/MethodResolver.java
* /opt/cola/permits/1110675922_1606842995.89/0/spring-expression-5-1-6-release-sources-
  jar/org/springframework/expression/MethodExecutor.java
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  jar/org/springframework/expression/ConstructorExecutor.java
* /opt/cola/permits/1110675922_1606842995.89/0/spring-expression-5-1-6-release-sources-
  jar/org/springframework/expression/common/TemplateParserContext.java
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* /opt/cola/permits/1110675922_1606842995.89/0/spring-expression-5-1-6-release-sources-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
* /opt/cola/permits/1110675922_1606842995.89/0/spring-expression-5-1-6-release-sources-jar/org/springframework/expression/spel/ast/NullLiteral.java
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1.855 log4cxx 0.10.0

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  log4cxx

  </div>

</div>

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<ul>

  <li class="none">
    <a href="download.html">Download</a>
  </li>

  </ul>
<a href="changes-report.html">Changes</a>
</li>

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    <strong>License</strong>
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</ul>

<h5>About log4cxx</h5>
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        <a href="index.html">What is log4cxx?</a>
    </li>
    <li class="none">
        <a href="apidocs/index.html">API Documentation</a>
    </li>
    <li class="none">
        <a href="faq.html">FAQ</a>
    </li>
</ul>

<h5>Community</h5>
<ul>
    <li class="none">
        <a href="mail-lists.html">Mailing Lists</a>
    </li>
    <li class="none">
        <a href="issue-tracking.html">Issue Tracking</a>
    </li>
    <li class="none">
        <a href="http://wiki.apache.org/logging-log4cxx" class="externalLink">Wiki</a>
    </li>
</ul>

<h5>Development</h5>
<ul>
    <li class="none">
        <a href="source-repository.html">Repository</a>
    </li>
</ul>
<li class="expanded">
  <a href=""">Building</a>
  <ul>
    <li class="none">
      <a href="building/autotools.html">autotools</a>
    </li>
    <li class="none">
      <a href="building/ant.html">Apache Ant</a>
    </li>
    <li class="none">
      <a href="building/maven.html">Apache Maven 2</a>
    </li>
    <li class="none">
      <a href="building/vstudio.html">Microsoft Visual Studio</a>
    </li>
    <li class="none">
      <a href="building/xcode.html">Apple Xcode</a>
    </li>
  </ul>
</li>

<h5>Apache</h5>
<ul>
  <li class="none">
    <a href="http://www.apache.org">Home</a>
  </li>
  <li class="none">
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src/xxhash.[ch] src/lz4*.>[ch]: git@github.com:lz4/lz4.git e2827775ee80d2ef985858727575df31fc60f1f3

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LICENSE.regexp

regexp.c and regexp.h from https://github.com/ccxvii/minilibs sha 875c33568b5a4aa4fb3dd0c52ea987f0e5ca684

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1.871 python-linux-procfs 0.4.11 4.el7

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1.872 rhino 1.7R4

1.873 grizzly-framework 1.9.8

1.874 postgresql-jdbc 9.4.1211.jre7
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/**
 * This code is a stripped down version of Robert Harder's Public Domain Base64 implementation. GZIP
 * support, InputStream and OutputStream stuff and some unneeded encode/decode methods have been
 * removed.
 *
 * -- Original comments follow --
 *
 * Encodes and decodes to and from Base64 notation.
 *
 * <p>
 * Change Log:
 * </p>
 * <ul>
 * <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience
 * methods for reading and writing to and from files.</li>
 * <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other
 * encodings (like EBCDIC).</li>
 * <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a
 * single byte.</li>
 * <li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more
 * consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed
 * and will decompress it automatically. Generally things are cleaner. You'll probably have to
 * change some method calls that you were making to support the new options format (<tt>int</tt>s
 * that you "OR" together).</li>
 * <li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using
 * <tt>decode( String s, boolean gzipCompressed )</tt>. Added the ability to "suspend" encoding in
 * the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an
 * otherwise "normal" stream (like an XML file).</li>
 * <li>v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when
 * using GZIP streams. Added the ability to GZip-compress objects before encoding them.</li>
 * <li>v1.4 - Added helper methods to read/write files.</li>
 * <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
 * <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last
 * buffer being read, if not completely full, was not returned.</li>
 * <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
 * <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
 * </ul>
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 * </p>
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* @author rob@iharder.net
* @version 2.1
*/

Found in path(s):
* /opt/cola/permits/1021538811_1607117608.74/0/postgresql-9-4-1211-jre7-sources-jar/org/postgresql/util/Base64.java
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* /opt/cola/permits/1021538811_1607117608.74/0/postgresql-9-4-1211-jre7-sources-jar/org/postgresql/translation/ja.po
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1.875 batik 1.7

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In the appendix, we print the indices and references.

Copying information for the copying information. Public domain reference for reference on the licence.

Titlepage anchor for reference on the titlepage.

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<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.</p>

<p><a href="index_special_region_no_insertcopying_fot.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.</p>

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Appendix A Copying and indices

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1.888 icu 50.2 3.el7

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## 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
SHAREDLIBCXXFLAGS = -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

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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/DefaultHeadersImpl.java
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jar/io/netty/handler/codec/Headers.java
*/opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/EmptyHeaders.java
*/opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/DefaultHeaders.java

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  jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/compression/Crc32c.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/compression/JdkZlibDecoder.java

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  jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/DateFormatter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/string/LineSeparator.java

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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/compression/Lz4Constants.java
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/*
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * 
 * The encoding and decoding algorithm in this class has been derived from
 * Robert Harder's Public Domain Base64 Encoder/Decoder.
 */

Found in path(s):
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-jar/io/netty/handler/codec/base64/Base64.java
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 */
/**
 * A decoder that splits the received [link ByteBuf]s dynamically by the
 * value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* 
* [@link LengthFieldBasedFrameDecoder] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* 
* * 2 bytes length field at offset 0, do not strip header

* The value of the length field in this example is 12 (0x0C) which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* * BEFORE DECODE (14 bytes)     AFTER DECODE (14 bytes)
*  +--------+----------------+    +--------+----------------+
*  | Length | Actual Content |---->| Length | Actual Content |
*  | 0x000C | "HELLO, WORLD" |    | 0x000C | "HELLO, WORLD" |
*  +--------+----------------+    +--------+----------------+
*   </pre>
* 
* * 2 bytes length field at offset 0, strip header

* Because we can get the length of the content by calling
* [@link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* * BEFORE DECODE (14 bytes)     AFTER DECODE (12 bytes)
*  +--------+----------------+    +----------------+
*  | Length | Actual Content |---->| Actual Content |
*  | 0x000C | "HELLO, WORLD" |    | "HELLO, WORLD" |
*  +--------+----------------+    +----------------+
* 2 bytes length field at offset 0, do not strip header, the length field represents the length of the whole message

* In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by 2, we specify -2 for compensation.

* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = -2 (= the length of the Length field)
* initialBytesToStrip = 0

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>

* The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

* lengthFieldOffset = 2 (= the length of Header 1)
* lengthFieldLength = 3
* lengthAdjustment = 0
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>

* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive lengthAdjustment so that the decoder counts the extra header into the frame length calculation.

* lengthFieldOffset = <b>2</b> (= the length of Header 1)
* lengthFieldLength = <b>3</b>
* lengthAdjustment = <b>0</b>
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>

* This is an advanced example that shows the case where there is a header at the end of the message. The decoder always takes the length of the header into account during frame length calculation.

* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = -2 (= the length of the Length field)
* initialBytesToStrip = 0

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                  AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* BEFORE DECODE (17 bytes)                  AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                  AFTER DECODE (13 bytes)
* +----------------+----------------+      +----------------+
* | HDR1 | Length | HDR2 | Actual Content |      | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +----------------+----------------+      +----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   = 1
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                  AFTER DECODE (13 bytes)
* +----------------+----------------+      +----------------+
* | HDR1 | Length | HDR2 | Actual Content |      | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +----------------+----------------+      +----------------+
* </pre>
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = -3 (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = 3

* BEFORE DECODE (16 bytes)                     AFTER DECODE (13 bytes)
* +---------------------------------+      +---------------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +---------------------------------+      +---------------------------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
  jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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Zstd-jni: JNI bindings to Zstd Library

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The actual DOM Java Language Binding classes in xml-commons came from:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/java-binding.html

The specification of DOM Level 3’s various parts is at:
http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/
http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2’s various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1’s various parts is at:
Links to all available W3C DOM Java Bindings can be found at:
http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
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The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
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* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/config/BundleBeanDefinitionParser.java  
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* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/importer/support/LocalBundleContextAdvice.java  

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* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/service/importer/support/internal/aop/ImportedOsgiServiceProxyAdvice.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/context/internal/classloader/InternalAopClassLoaderFactory.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/context/ConfigurableOsgiBundleApplicationContext.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/context/support/ContextClassLoaderProvider.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/compendium/internal/cm/BeanManagedUpdate.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/config/internal/adapter/CustomListenerAdapterUtils.java
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* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
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  jar/org/springframework/osgi/service/importer/support/internal/aop/ServiceProxyCreator.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/service/importer/support/internal/aop/ServiceProxyCreator.java
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  jar/org/springframework/osgi/service/importer/support/ServiceDynamicInterceptor.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/service/importer/support/OsgiServiceCollectionProxyFactoryBean.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-
  jar/org/springframework/osgi/service/importer/OsgiServiceDependency.java
/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/config/CollectionBeanDefinitionParser.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/context/support/OsgiPropertyEditorRegistrar.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/OsgiServiceProxyFactoryBean.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/exporter/support/AbstractOsgiServiceExporter.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/StaticServiceProxyCreator.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/collection/DynamicSortedSet.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/bundle/BundleAction.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/context/event/OsgiBundleApplicationContextEventMulticaster.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/DisposableRunnableAdapter.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/compendium/internal/cm/ManagedServiceBeanManager.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/context/support/AbstractDelegatedExecutionApplicationContext.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/Collection/ManagedPropertiesDefinitionParser.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/collection/OsgiServiceCollection.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/collection/DynamicSortedList.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/AutoExport.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/support/RetryTemplate.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/ExportContextClassLoader.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/dependency/internal/DefaultMandatoryDependencyManager.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/exporter/support/AutoExport.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/support/RetryTemplate.java

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/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/collection/OsgiServiceCollection.java

/opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources.jar/org/springframework/osgi/service/importer/support/internal/collection/DynamicSortedList.java

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* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/importer/support/ImportContextClassLoader.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/importer/support/internal/collection/DynamicSet.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/context/internal/classloader/ClassLoaderFactory.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/compendium/internal/cm/ManagedServiceFactoryFactoryBean.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/importer/support/internal/aop/ServiceStaticInterceptor.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/importer/support/AbstractServiceImporterProxyFactoryBean.java

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* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/exporter/OsgiServicePropertiesResolver.java
* /opt/cola/permits/1001074081_1607080282.86/0/spring-osgi-core-1-2-0-sources-jar/org/springframework/osgi/service/exporter/support/BeanNameServicePropertiesResolver.java

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jar/org/springframework/osgi/context/support/OsgiBundleXmlApplicationContext.java

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Arnaud LE HORS      BULL Research FRANCE -- Koala Project
(XPM - X PixMap format version 2 & 3)
  Internet: lehors@sophia.inria.fr
Surface Mail:   Arnaud LE HORS, INRIA - Sophia Antipolis,
                 2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
Voice phone:     (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
*uganda.txt*    For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL    by Bram Moolenaar

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

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

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

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

=== begin of license ===

VIM LICENSE

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

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

1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes.
   The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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

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

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

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

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

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

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

==============================================================================
Kibaale Children's Centre*Kcc* *Kibaale* *charity*

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

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

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

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

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

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

*donate*

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

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

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

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

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

The address of the centre is:
Kibaale Children's Centre
Sending money:*iccf-donations*

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

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

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

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

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about
Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:


The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
    Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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

vim:tw=78:ts=8:noet:ft=help:norl:
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  Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

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

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

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

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

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

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

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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
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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.

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the 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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analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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1.922 protobuf-java 3.7.1

1.923 net-snmp 5.7.2-48.el7_8.1

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1.931 zlib 1.2.5

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  jar/io/netty/handler/codec/CharSequenceValueConverter.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/LzfFrameDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/EmptyHeaders.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codecs/ByteToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codecs/bytes/ByteArrayDecoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codecs/base64/package-info.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codecs/compression/JZlibDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codecs/compression/ZlibDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
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* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/ByteToMessageDecoder.java
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 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1068271428_1594339474.09/0/netty-codec-4-1-45-final-sources-1-jar/io/netty/handler/codec/string/LineSeparator.java

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*/
/**
* A decoder that splits the received \{@link ByteBuf\}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* \{@link LengthFieldBasedFrameDecoder\} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
* <p>
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*/
The value of the length field in this example is \texttt{12} (0x0C) which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

\begin{pre}
\begin{itemize}
\item lengthFieldOffset = 0
\item lengthFieldLength = 2
\item lengthAdjustment = 0
\item initialBytesToStrip = 0 (= do not strip header)
\end{itemize}
\end{pre}

BEFORE DECODE (14 bytes) \hspace{1cm} AFTER DECODE (14 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Length</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

\end{pre}

Because we can get the length of the content by calling \texttt{@link ByteBuf\#readableBytes()}, you might want to strip the length field by specifying \texttt{initialBytesToStrip}. In this example, we specified \texttt{2}, that is same with the length of the length field, to strip the first two bytes.

\begin{pre}
\begin{itemize}
\item lengthFieldOffset = 0
\item lengthFieldLength = 2
\item lengthAdjustment = 0
\item initialBytesToStrip = 2 (= the length of the Length field)
\end{itemize}
\end{pre}

BEFORE DECODE (14 bytes) \hspace{1cm} AFTER DECODE (12 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

\end{pre}

Because we can get the length of the content by calling \texttt{@link ByteBuf\#readableBytes()}, you might want to strip the length field by specifying \texttt{initialBytesToStrip}. In this example, we specified \texttt{2}, that is same with the length of the length field, to strip the first two bytes.

\begin{pre}
\begin{itemize}
\item lengthFieldOffset = 0
\item lengthFieldLength = 2
\item lengthAdjustment = 0
\item initialBytesToStrip = 2 (= the length of the Length field)
\end{itemize}
\end{pre}

BEFORE DECODE (14 bytes) \hspace{1cm} AFTER DECODE (12 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

\end{pre}

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by \texttt{2}, we specify \texttt{-2}.

\begin{pre}
\begin{itemize}
\item lengthFieldOffset = 0
\item lengthFieldLength = 2
\item lengthAdjustment = 0
\item initialBytesToStrip = 2 (= the length of the Length field)
\end{itemize}
\end{pre}

BEFORE DECODE (14 bytes) \hspace{1cm} AFTER DECODE (12 bytes)

<table>
<thead>
<tr>
<th>Length</th>
<th>Actual Content</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x000C</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

\end{pre}
* as `<tt>lengthAdjustment</tt>` for compensation.
* `<pre>`
  * lengthFieldOffset = 0
  * lengthFieldLength = 2
  * `<b>`lengthAdjustment</b> = `<b>`-2`<b>` (= the length of the Length field)
  * initialBytesToStrip = 0
  *
  * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
  * +--------+----------------+      +--------+----------------+
  * | Length | Actual Content |----->| Length | Actual Content |
  * | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
  * +--------+----------------+      +--------+----------------+
  * </pre>
*  
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* `<pre>`
  * `<b>`lengthFieldOffset</b> = `<b>`2`<b>` (= the length of Header 1)
  * `<b>`lengthFieldLength</b> = `<b>`3`<b>`
  * lengthAdjustment = 0
  * initialBytesToStrip = 0
  *
  * BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
  * +----------+----------+----------------+      +----------+----------+----------------+
  * | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
  * | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
  * +----------+----------+----------------+      +----------+----------+----------------+
  * </pre>
*  
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra
* header into the frame length calculation.
* `<pre>`
  * lengthFieldOffset = 0
  * lengthFieldLength = 3
  * `<b>`lengthAdjustment</b> = `<b>`2`<b>` (= the length of Header 1)
  * initialBytesToStrip = 0
  *
  * BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
  * +----------+----------+----------------+      +----------+----------+----------------+
  * |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
2 bytes length field at offset 1 in the middle of 4 bytes header,
strip the first header field and the length field

This is a combination of all the examples above. There are the prepended
header before the length field and the extra header after the length field.
The prepended header affects the lengthFieldOffset and the extra
header affects the lengthAdjusted. We also specified a non-zero
<tt>initialBytesToStrip</tt> to strip the length field and the prepended
header from the frame. If you don't want to strip the prepended header, you
could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.

Before decode (16 bytes)

| HDR1 | Length | HDR2 | Actual Content |
| 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |

AFTER DECODE (13 bytes)

| HDR2 | Actual Content |
| 0xFE | "HELLO, WORLD" |

lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3

BEFORE DECODE (16 bytes)

AFTER DECODE (13 bytes)

Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into lengthAdjusted.
Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.
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1.941 libxi 1.1.3-2.1.el7

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* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/MethodNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/AnnotationNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/FieldNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/optimizer/NameMapping.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/InnerInsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/tree/FieldInsnNode.java
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```plaintext
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*/
/**
 * Constructs a new [LocalVariableAnnotationNode]. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * [LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)]
 * version.
 *
 * @param typeRef
 *            a reference to the annotated type. See [TypeReference].
 * @param typePath
 *            the path to the annotated type argument, wildcard bound, array
 *            element type, or static inner type within 'typeRef'. May be
 *            <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *            the fist instructions corresponding to the continuous ranges
 *            that make the scope of this local variable (inclusive).
 * @param end
 *            the last instructions corresponding to the continuous ranges
 *            that make the scope of this local variable (exclusive). This
 *            array must have the same size as the 'start' array.
 * @param index
 *            the local variable's index in each range. This array must have
 *            the same size as the 'start' array.
 * @param desc
 *            the class descriptor of the annotation class.
 */

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* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
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  jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-jar/org/objectweb/asm/package.html
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/tree/analysis/package.html
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/commons/package.html
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/signature/package.html
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  jar/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/TypeReference.java
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* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/xml/Processor.java

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/**
 * Constructs a new [Textifier]. *<i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

Found in path(s):
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/**
* Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
* version.
* 
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
* the method's access flags (see [@link Opcodes]).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see [@link Type Type]).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
  jar/org/objectweb/asm/commons/GeneratorAdapter.java

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/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {[@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]}
 * version.
*
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {[@link Opcodes]}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {[@link Type Type]}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 * @throws IlleagalStateException
 * If a subclass calls this constructor.
 */

Found in path(s):
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  jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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 */
/** *
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [ @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[]) ]
 * version.
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [ @link Opcodes ]). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [ @link Type ]).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * [ @link Type#getInternalName() getInternalName ]). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
*/

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*/opt/cola/permits/1001477335_1606843073.05/0/asm-tree-5-0-1-sources-1-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/spring-web-4-0-2-release-sources.jar/org/springframework/web/log4j/LiveLog4jNestedDiagnosticContextFilter.java

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* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactory.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/ContextLoader.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/util/WebUtils.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/HandlerMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/WebApplicationContextUtils.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/jsf/el/WebApplicationContextFacesELResolver.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/bind/annotation/ControllerAdvice.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/http/converter/FormHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/bind/annotation/RequestHeader.java
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* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/http/client/support/AsyncHttpAccessor.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/GenericWebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/ServerHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/GenericWebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/HandlerMethodResolver.java

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* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/method/annotation/ModelAttributeMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/bind/support/WebArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/bind/support/DefaultDataBinderFactory.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/Log4jNestedDiagnosticContextInterceptor.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/context/AbstractContextLoaderInitializer.java
* /opt/ws_local/PERMITS_SQL/1091709731_1600571963.26/0/spring-web-4-0-2-release-sources-jar/org/springframework/web/client/RestTemplate.java

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1.980 plexus-utils 3.2.0
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 * <p>This code is a stripped down version of Robert Harder's Public Domain Base64 implementation. GZIP
 * support, InputStream and OutputStream stuff and some unneeded encode/decode methods have been
 * removed.</p>
 *
 *<p>-- Original comments follow --</p>
Encodes and decodes to and from Base64 notation.

Change Log:

- v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.
- v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
- v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
- v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format (\{ @code int \}s that you "OR" together).
- v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using \{ @code decode( String s, boolean gzipCompressed ) \}. Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).
- v1.5 - Output stream pases on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.
- v1.4 - Added helper methods to read/write files.
- v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
- v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.
- v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
- v1.3.3 - Fixed I/O streams which were totally messed up.

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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 package was written by Peter Tobias <tobias@et-inf.fho-emden.de>
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1.988 rtkit 0.11-10.el7

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
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Library is used in it and that the Library and its use are covered by
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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
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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,
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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
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accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

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1.991 jackson-xc 1.9.13

1.992 bash 4.2.46 34.el7

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1.994 harfbuzz 1.2.7

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1.995 wagon-http-shared 1.0-beta-2

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

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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of these things:

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

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

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

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
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It may happen that this requirement contradicts the license
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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.

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

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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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Alok Priyadarshi
Kenneth Russell
Brian Salomon
Gregg Tavares
Jeff Timanus
Ben Vanik
Adrienne Walker
Turbulenz
Michael Braithwaite

Ulrik Persson (ddefrostt)
Mark Banner (standard8mbp)
David Kilzer
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Tibor den Ouden
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James Ross-Gowan
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Contributors (in approximate order of appearance)
[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

Ben Elliston\hje at cygnus dot com
Initiated the project;
setup the project infrastructure (CVS, web page, etc.);
early prototype routines.
Ross Johnson\rj at callisto dot canberra dot edu dot au
early prototype routines;
ongoing project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.
Robert Colquhoun\rc at trump dot net dot au
Early bug fixes.
John E. Bossom\jb at cognos dot com
Contributed substantial original working implementation;
bug fixes;
ongoing guidance and standards interpretation.
Anders Norlander\anorland at hem2 dot passagen dot se
Early enhancements and runtime checking for supported
Win32 routines.
Tor Lilqvist\tml at iki dot fi
General enhancements;
early bug fixes to condition variables.
Scott Lightner\scss at curriculum dot com
Bug fix.
Kevin Ruland\kr at anheuser-busch dot com
Various bug fixes.
Mike Russomiker\mr at eai dot com
Bug fix.
Mark E. Armstrong\ma at pacbell dot net
Bug fixes.
Lorin Hochstein\lmh at xiphos dot ca
general bug fixes; bug fixes to condition variables.
Peter Slacik\ps at tatramed dot sk
Bug fixes.
Mumit Khan\mk at xraylith dot wisc dot edu
Fixes to work with Mingw32.
Milan Gardian\mg at tatramed dot sk
Bug fixes and reports/analyses of obscure problems.
Aurelio Medina\amed at.crt dot com
First implementation of read-write locks.
Graham Dumpleton\gdot Dumpleton at ra dot pad dot otc dot telstra dot com dot au
Bug fix in condition variables.
Tristan Savatier\ts at mpegtv dot com
WinCE port.
Erik Hensemaerik at hensema dot xs4all dot nl
Bug fixes.
Rich Petersrpeters at micro-magic dot com
Todd Owentown at lucidcalm dot dropbear dot id dot au
Bug fixes to dll loading.
Jason Nyejyne at nbnet dot nb dot ca
Implementation of async cancelation.
Fred Foresterforest at eticomm dot net
Kevin D. Clarkkclark at cabletron dot com
David Baggettdmb at itasoftware dot com
Bug fixes.
Paul Redondopaul at matchvision dot com
Scott McCaskill scott at 3dfx dot com
Bug fixes.
Jef Gearhartgearhart at tpssys dot com
Bug fix.
Arthur Kantorakantor at bexusa dot com
Mutex enhancements.
Steven Reddiesmr at essemer dot com dot au
Bug fix.
Alexander TerekhovTEREKHOV at de dot ibm dot com
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathckco;
system clock change handling re CV timeouts;
bug fixes.
Thomas Pfaffpfaff at gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bezfranco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomaslthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Kornk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.phil at hawksoft dot com
Bug fix.
Ralf BreseRalf dot Brese at pdb4 dot siemens dot de
Bug fix.
Bug fixes.
Max Woodbury
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Rob Fannerrfanner
Bug fix.
Michael Johnson
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.
Nicolas Barryboozai
Bug fixes.
Piet van Bruggen
Port to Digital Mars compiler.
Gottlob Frege
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
Vladimir Kliatchko
reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.

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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/(\*\*)/\1.o $@ : /g\" > $@; \\
[ -s $@ ] || rm -f $@

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \ 
| sed \"s/(\*\*)/\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 =

## End BSD-specific setup
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Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
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Markus Heule <markus.heule@gmail.com>
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\texttt{analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java},
\texttt{analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java},
\texttt{analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java},
\texttt{analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java},
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1.1007 lapack 0.3.7-r0

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1.1008 gson 2.8.2

1.1009 libepoxy 1.5.2-1.el7

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1.1011 go-flags 1.4.0
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1.1012 wildfly-elytron-mechanism-http

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1.1030 jackson-databind 2.10.0
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1.1031 castor 1.3.3
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>>> icu4c-4.4.1
>>> libdnet-1.11
>>> libffi-3.2.1
>>> libpng-1.2.59
>>> libxml2-2.9.6
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\usr\lib\rpm\redhat\kmodtool

kmodtool - Helper script for building kernel module RPMs
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kmodtool - Helper script for building kernel module RPMs
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>>> unicode-5.0

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$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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>>> vmware_x11_mouse_driver-10.2.0

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[VMWare ships the following subcomponents from freebsd 6.3:

libICE.so.6
libSM.so.6
libXft.so.2
libXinerama.so.1
libXrandr.so.2
libXrender.so.1]
libatk-1.0.so.0
libatkmm-1.6.so.1
libcairo.so.2
libcairomm-1.0.so.1
libconf
libdnet.so.1
libexpat.so.6
libfontconfig.so.1
libfreetype.so.9
libgcc_s.so.1
libgdk-x11-2.0.so.0
libgdk_pixbuf-2.0.so.0
libgdk_pixbuf_xlib-2.0.so.0
libgdkmm-2.4.so.1
libglib-2.0.so.0
libglibmm-2.4.so.1
libglibmm_generate_extra defs-2.4.so.1
libgmodule-2.0.so.0
libgobject-2.0.so.0
libgthread-2.0.so.0
libgtk-x11-2.0.so.0
libgtkmm-2.4.so.1
libiconv.so.3
libintl.so.8
libpango-1.0.so.0
libpangocairo-1.0.so.0
libpangoft2-1.0.so.0
libpangomm-1.4.so.1
libpcre.so.0
libpixman-1.so.9
libpng.so.5
libsigc-2.0.so.0
libvmtools.so
libX11.so.6
libXext.so.6
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libXi.so
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freebsd-6.3-32.tar.bz2\freebsd-6.3-32.tar\freebsd-6.3-32\usr\local\include\glib-2.0\glib\alloca.h

GLIB - Library of useful routines for C programming

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Version 2.8.3 Thu Sep 22 11:16:15 2005  Doug Lea  (dl at gee)

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>>> openssl-1.0.2m

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openssl-1.0.2m/crypto/aes/aes_core.c

rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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>>> pcre-8.41

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Version 2.8.3 Thu Sep 22 11:16:15 2005 Doug Lea (dl at gee)

Note: There may be an updated version of this malloc obtainable at ftp://gee.cs.oswego.edu/pub/misc/malloc.c
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By David Turner, The FreeType Project (www.freetype.org)

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libXrender.so.1
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Version 2.8.3 Thu Sep 22 11:16:15 2005 Doug Lea (dl at gee)

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version 1.0 - 1999.10.15 - First version.
version 1.1 - 2015.07.29 - Fixed leaks (Glenn Randers-Pehrson)
version 1.2 - 2017.04.22 - Add buffer-size check
1.3 - 2017.08.24 - Fix potential overflow in buffer-size check  
(Glenn Randers-Pehrson)
1.4 - 2017.08.28 - Add PNGMINUS_UNUSED (Christian Hesse)

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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>>> pcre-8.41

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

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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based on the similar work by Gilles Vollant, and Brian Raiter, written 1998

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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Version 2.8.3 Thu Sep 22 11:16:15 2005 Doug Lea (dl at gee)

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version 1.0 - 1999.10.15 - First version.
version 1.1 - 2015.07.29 - Fixed leaks (Glenn Randers-Pehrson)
version 1.2 - 2017.04.22 - Add buffer-size check
1.3 - 2017.08.24 - Fix potential overflow in buffer-size check
(Glenn Randers-Pehrson)
1.4 - 2017.08.28 - Add PNGMINUS_UNUSED (Christian Hesse)

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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Written by: Philip Hazel
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Email domain: cam.ac.uk

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match.S -- optimized version of longest_match()
based on the similar work by Gilles Vollant, and Brian Raiter, written 1998

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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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(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.

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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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Version 2.1, February 1999

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1.1043 wagon-file 1.0-beta-2

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1.1051 swagger-annotations 1.5.9
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*/

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */
  String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
  String url() default "";
}
1.1052 spidermonkey 17.0.0-20.el7

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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1.1053 etcd v3.2.1

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proofs provides functions to retrieve system, kernel and process
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1.1066 vdx-core 1.1.6

1.1067 gpgme 1.3.2 5.el7

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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.

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THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Written by: Philip Hazel
Email local part: ph10
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1.1082 velocity 1.7

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1.1084 e2fsprogs 1.42.9 16.el7

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

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This is the Debian GNU/Linux prepackaged version of the ss
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This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu/pub/linux/packages/ext2fs/
From the original distribution:

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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# This is 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) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
 `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

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

--- tdbusa/tdb.c
+++ tdbusa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 /*
 */
--- Unix SMB/CIFS implementation.
+ trivial database library - standalone version
 
+ trivial database library - private includes
  
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007.

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Gadi Oxman, August 1995

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Theodore Ts'o
23-June-2007

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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.

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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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This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

1. [1] Takao Abe <takao_abe@xurb.jp> Clock driver for JJY receivers
2. [2] Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3] Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6] Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8] Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10] Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11] Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in snntp
11. [12] Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13] Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14] Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15] Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16] Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
17. [18] Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19] Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20] John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21] Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22] Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23] Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24] Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25] Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26] Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
26. [27] Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or <H.Lambermont@chello.nl> ntpsweep
27. [29] Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30] Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32] William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HP UNIX modifications
30. [33] Dave Katz <dkatz@cisco.com> RS/6000 AIX port
31. [34] Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppclock, Magnavox GPS clock driver
32. [35] George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
33. [36] Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
34. [37] Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
35. [38] Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
37. [40] Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
38. [41] Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
39. [42] Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
40. [43] Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
41. [44] Derek Mulcahy <derek@toybox.demon.co.uk> and [45] Damon Hart-Davis <d@dhd.org> ARCRON MSF clock driver
42. [46] Rob Neal <rneal@ntp.org> Bancomm refclock and config/parse code maintenance
43. [47] Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
44. [48] Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
45. [49] Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
46. [50] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
47. [51] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
space on the stuff in the html/pic/ subdirectory

48. [52] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
49. [53] Michael Shields <shields@tembel.org> USNO clock driver
50. [54] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
51. [55] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
52. [56] Kenneth Stone <ken@sdd.hp.com> HP-UX port
53. [57] Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
54. [58] Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
55. [59] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
56. [60] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
3. mailto:%20altmeier@atlsoft.de
4. mailto:%20vbais@mailman1.intel.co
5. mailto:%20kirkwood@striderfm.intel.com
6. mailto:%20michael.barone@lmco.com
7. mailto:%20karl@owl.HQ.ileaf.com
8. mailto:%20greg.brackley@bigfoot.com
9. mailto:%20Marc.Brett@westgeo.com
10. mailto:%20Piete.Brooks@cl.cam.ac.uk
11. mailto:%20nelson@bolyard.me
12. mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca
13. mailto:%20reg@dwarf.com
14. mailto:%20clift@ml.csiro.au
15. mailto:casey@csc.co.za
16. mailto:%20Sven_Dietrich@trimble.COM
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# spdx-license-ids


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## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or
npm install spdx-license-ids

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', ...

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
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validate-npm-package-license

Give me a string and I'll tell you if it's a valid npm package license string.

```javascript
var valid = require('validate-npm-package-license');
```

SPDX license identifiers are valid license strings:
var assert = require('assert');
var validSPDXExpression = {
validForNewPackages: true,
validForOldPackages: true,
spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```

SPDX expressions are valid, too ...
```

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
valid('(GPL-3.0-only OR BSD-2-Clause)'),
validSPDXExpression
);
```
validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"',
]
];

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
```
```javascript
```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);
```

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

If there aren't any licensing terms, use `UNLICENSED`:

```javascript
```
var unlicensed = {
    validForNewPackages: true,
    validForOldPackages: true,
    unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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SLF4J library (slf4j-api-* .jar)

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Found in path(s):
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-jar/META-INF/maven/org.springframework.boot/spring-boot/pom.xml
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 */
* A `@link WebApplicationContext` that can be used to bootstrap itself from a contained
  `@link ServletWebServerFactory` bean.

* This context will create, initialize and run a `@link WebServer` by searching for a
  single `@link ServletWebServerFactory` bean within the `@link ApplicationContext`
  itself. The `@link ServletWebServerFactory` is free to use standard Spring concepts
  (such as dependency injection, lifecycle callbacks and property placeholder variables).

* In addition, any `@link Servlet` or `@link Filter` beans defined in the context will be
  automatically registered with the web server. In the case of a single Servlet bean, the
  `/*` mapping will be used. If multiple Servlet beans are found then the lowercase bean
  name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
  always be mapped to `'/'`. Filter beans will be mapped to all URLs ('/*').

* For more advanced configuration, the context can instead define beans that implement
  the `@link ServletContextInitializer` interface (most often
  `@link ServletRegistrationBean` and/or `@link FilterRegistrationBean`)s). To prevent
  double registration, the use of `@link ServletContextInitializer` beans will disable
  automatic Servlet and Filter bean registration.

* Although this context can be used directly, most developers should consider using the
  `@link AnnotationConfigServletWebServerApplicationContext` or
  `@link XmlServletWebServerApplicationContext` variants.

* @author Phillip Webb
  * @author Dave Syer
  * @since 2.0.0
  * @see AnnotationConfigServletWebServerApplicationContext
  * @see XmlServletWebServerApplicationContext
  * @see ServletWebServerFactory

Found in path(s):
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java
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* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/AggregateElementBinder.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/WebApplicationType.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/source/ConfigurationPropertySource.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/source/SpringConfigurationPropertySources.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/diagnostics/analyzer/BeanDefinitionOverrideFailureAnalyzer.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/ConstructorBinding.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/web/error/ErrorController.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/web/error/ErrorAttributes.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/web/servlet/error/ErrorController.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/web/servlet/error/ErrorAttributes.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/WebApplicationType.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/AggregateElementBinder.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
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  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
* /opt/cola/permits/1110675119_1606843986.01/0/spring-boot-2-2-2-release-sources-1-
  jar/org/springframework/boot/context/properties/bind/package-info.java
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1.1110 startup-notification 0.12-8.el7

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1.1121 aesh-terminal-api 1.10
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jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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jar/io/netty/channel/ChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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jar/io/netty/channel/ChannelHandlerAdapter.java
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jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/DefaultChannelProgressivePromise.java
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 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its {@link ChannelPipeline}. 
 *
 * <h3>Sub-types</h3>
 * <p>
 * {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its subtypes:
 * <ul>
 * <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events, </li>
 * <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
 * <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
 * </ul>
 */
For more information, please refer to the documentation of each subtype.

A `@link ChannelHandler` is provided with a `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `@link AttributeKey`)s which is specific to the handler.

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends @link SimpleChannelInboundHandler<Message> {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }

    // Create a new handler instance per channel.
```
* // See [ChannelInitializer#initChannel(Channel)].
* public class DataServerInitializer extends [ChannelInitializer] {
*     [...]
*     public void initChannel([Channel] channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* ...

* </pre>

* <h4>Using [AttributeKey]</h4>

* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [AttributeKey] which is provided by
* [ChannelHandlerContext]:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* [...]
* public class DataServerHandler extends [SimpleChannelInboundHandler]<Message> {
*     private final [AttributeKey]<Boolean> auth = AttributeKey.valueOf("auth");
*     [...]
*     public void channelRead([ChannelHandlerContext] ctx, Message message) {
*         Attribute<Boolean> attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             attr.set(true);
*         } else if (message instanceof GetDataMessage) {
*             if (Boolean.TRUE.equals(attr.get())) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>

* Now that the state of the handler is attached to the [ChannelHandlerContext], you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends [ChannelInitializer] {
*     [...]
* }
* </pre>
private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();

[Override]
public void initChannel({@link Channel} channel) {
    channel.pipeline().addLast("handler", <b>SHARED</b>);
}
</pre>

<h4>The {@code @Sharable} annotation</h4>

In the example above which used an {@link AttributeKey},
you might have noticed the {@code @Sharable} annotation.

If a {@link ChannelHandler} is annotated with the {@code @Sharable}
annotation, it means you can create an instance of the handler just once and
add it to one or more {@link ChannelPipeline}s multiple times without
a race condition.

If this annotation is not specified, you have to create a new handler
every time you add it to a pipeline because it has unshared state
such as member variables.

This annotation is provided for documentation purpose, just like

Additional resources worth reading

Please refer to the {@link ChannelHandler}, and
{@link ChannelPipeline} to find out more about inbound and outbound operations,
what fundamental differences they have, how they flow in a pipeline, and how to handle
the operation in your application.

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/local/package-info.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/local/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources
jar/io/netty/channel/ChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources
jar/io/netty/channel/CombinedChannelDuplexHandler.java
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jar/io/netty/channel/EventLoopException.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources
jar/io/netty/channel/group/DefaultChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources
jar/io/netty/channel/ChannelInitiallizer.java
"
jar/io/netty/channel/ChannelPromiseAggregator.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/DefaultChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/embedded/EmbeddedChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/bootstrap/ServerBootstrap.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/internal/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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jar/io/netty/channel/internal/package-info.java
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1.1126 wpa_supplicant 2.6-12.el7

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1.1133 mapstruct 1.2.0.Final

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1.1134 spring-expression 5.1.4.RELEASE

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That’s all there is to it!

dateutil - Extensions to the standard Python datetime module.

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# Contribs to oauth2client

## Maintainers

* [Nathaniel Manista](https://github.com/nathanielmanistaatgoogle)
* [Jon Wayne Parrott](https://github.com/jonparrott)
* [Danny Hermes](https://github.com/dhermes)
Previous maintainers:

* [Craig Citro](https://github.com/craigcitro)
* [Joe Gregorio](https://github.com/jcgregorio)

## Contributors

This list is generated from git commit authors.

* aalexand <aalexand@google.com>
* Aaron <aaronwinter@users.noreply.github.com>
* Adam Chainz <me@adamj.eu>
* ade@google.com
* Alexandre Vivien <alx.vivien@gmail.com>
* Ali Afshar <afshar@google.com>
* Andrzej Pragacz <apragacz@o2.pl>
* api.nickm@gmail.com
* Ben Demaree <bendemaree@gmail.com>
* Bill Prin <waprin@gmail.com, waprin@google.com>
* Brendan McCollam <brendan@mccoll.am, bmccollam@uchicago.edu>
* Craig Citro <craigcitro@gmail.com, craigcitro@google.com>
* Dan Ring <dring@gmail.com>
* Daniel Hermes <dhermes@google.com, daniel.j.hermes@gmail.com>
* Danilo Akamine <danilowz@gmail.com>
* daryl herzmann <akrherz@iastate.edu>
* dlorenc <lorenc.d@gmail.com>
* Dominik Miedziski <dominik@mdzn.pl>
* dr. Kertsz Csaba-Zoltn <cskertesz@gmail.com>
* Dustin Farris <dustin@dustinfarris.com>
* Eddie Warner <happyspace@gmail.com>
* Edwin Amsler <EdwinGuy@GMail.com>
* elibixby <elibixby@gmail.com>
* Emanuele Pucciarelli <ep@acm.org>
* Eric Koleda <eric.koleda@gmail.com>
* Frederik Creemers <frederikcreemers@gmail.com>
* Guido van Rossum <guido@gmail.com>
* Harsh Vardhan <sharshv95@gmail.com>
* Herr Kaste <thdz.x@gmx.net>
* INADA Naoki <inada-n@klab.com>
* JacobMoshenko <moshenko@gmail.com>
* Jay Lee <jay0lee@gmail.com>
* Jed Hartman <jhartman@gmail.com>
* Jeff Terrace <jterrace@gmail.com, jterrace@gmail.com>
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Dependent Modules
=================

This code has the following dependencies above and beyond the Python standard library:

oauth2client - Apache License 2.0
pyu2f - Apache License 2.0

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

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

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

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

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases that included the contextlib module.

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

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that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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Ty Coon, President of Vice

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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variable {signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!
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If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.
John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.
Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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    auth:
        auth_url: http://xxx.xxx.xxx.xxx:5000/v2.0/
        username: demo
        password: secrete
        project_name: demo
rackspace:
    cloud: rackspace
    auth:
        username: joe
        password: joes-password
        project_name: 123123
        region_name: IAD
example:
    image_name: fedora-20.x86_64
    flavor_name: m1.small
    network_name: private
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jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
jar/io/netty/resolver/HostsFileParser.java
* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
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* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
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* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
jar/io/netty/resolver/CompositeNameResolver.java
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jar/io/netty/resolver/InetAddressResolver.java
* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-
jar/io/netty/resolver/DefaultAddressResolverGroup.java
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* /opt/cola/permits/1110676434_1606843137.83/0/netty-resolver-4-1-24-final-sources-1-jar/io/netty/resolver/ResolvedAddressTypes.java

1.1143 wildfly-deployment-scanner 6.0.2.Final

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1.1144 grilo 0.3.6 1.el7

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1.1155 jackson-module-parameter-names
2.9.6
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  jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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  jar/io/netty/handler/traffic/IpFilterRule.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-
  jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-
  jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-
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* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/ssl/OpenSslExtendedKeyMaterialManager.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
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* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/ssl/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/ssl/PemEncoded.java
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* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/cola/permits/1110676034_1606843975.35/0/netty-handler-4-1-24-final-sources-1-jar/io/netty/handler/traffic/package-info.java

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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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modules/audio_coding/codecs/g711/main/source/g711.h
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 * 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
 */

Files:
modules/audio_coding/codecs/g711/main/source/g711.c
modules/audio_coding/codecs/g711/main/source/g711.h

License:
/*
 * SpanDSP - a series of DSP components for telephony
 * g711.h - In line A-law and u-law conversion routines
 */
* Written by Steve Underwood <steveu@coppice.org>
*
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Files:
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modules/audio_coding/codecs/g722/main/source/g722_enc_dec.h
modules/audio_coding/codecs/g722/main/source/g722_encode.c

License:
/*
 * SpanDSP - a series of DSP components for telephony
 *
 * g722_decode.c - The ITU G.722 codec, decode part.
 *
 * Written by Steve Underwood <steveu@coppice.org>
 *
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 * to this code in the public domain for the benefit of all mankind -
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 *
 * Based in part on a single channel G.722 codec which is:
 *
 * Copyright (c) CMU 1993
 * Computer Science, Speech Group
 * Chengxiang Lu and Alex Hauptmann
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modes/audio_device/mac/portaudio/pa_memorybarrier.h
modules/audio_device/mac/portaudio/pa_ringbuffer.c
modules/audio_device/mac/portaudio/pa_ringbuffer.h

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/*
 * $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $
 * Portable Audio I/O Library
 * Memory barrier utilities
 *
 * Author: Bjorn Roche, XO Audio, LLC
 *
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/*
* $Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $
* Portable Audio I/O Library
* Ring Buffer utility.
*
* Author: Phil Burk, http://www.softsynth.com
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
* modified for multiple-byte-sized data elements by Sven Fischer
*
* Note that this is safe only for a single-thread reader and a
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1.1179 xorg-x11-server 1.20.4-10.el7

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1.1182 opensaml-xacml-impl 3.3.0

1.1183 wildfly-jsf 14.0.1.Final
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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted
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1.1187 jackson-dataformat-cbor 2.8.6

1.1188 libxml 2.9.1 6.el7.4

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1.1191 opensaml-saml-impl 3.3.0

1.1192 snake-yaml 1.19
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  jar/org/springframework/web/servlet/tags/form/ErrorsTag.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-
  jar/org/springframework/web/servlet/tags/form/AbstractHtmlElementBodyTag.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBody.java

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* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/tags/BindErrorsTag.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/tags/HtmlEscapeTag.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/tags/form/OptionTag.java
* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
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* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-jar/org/springframework/web/servlet/tags/18n/AbstractLocaleResolver.java
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A contract for inspecting and potentially modifying request data values such as URL query parameters or form field values before they are rendered by a view or before a redirect.

Implementations may use this contract for example as part of a solution to provide data integrity, confidentiality, protection against cross-site request forgery (CSRF), and others or for other tasks such as automatically adding a hidden field to all forms and URLs.

View technologies that support this contract can obtain an instance to delegate to via {@link RequestContext#getRequestDataValueProcessor()}.  

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jar/org/springframework/web/servlet/NoHandlerFoundException.java
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* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/support/BindStatus.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/view/json/MappingJackson2JsonView.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/view/BeanNameViewResolver.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java
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* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/mvc/condition/MediaTypeExpression.java
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* /opt/cola/permits/110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1.jar/org/springframework/web/servlet/SmartView.java

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* XSLT-driven View that allows for response context to be rendered as the
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*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* [ @link #locateSource detected] during response rendering. Users can either specify
* a specific entry in the model via the [ @link #setSourceKey sourceKey] property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See [ @link #getSourceTypes() here]
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [ @link #setOutputProperties output properties]
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/

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* /opt/cola/permits/1110676891_1606843558.9/0/spring-webmvc-5-0-8-release-sources-1-
  jar/org/springframework/web/servlet/view/xslt/XsltView.java
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/**
**
** A class to help send SMTP email.
* This class is an improvement on the sun.net.smtp.SmtpClient class
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* the JavaMail Standard Extension classes, but it's easier to use and
* easier to install, and has an Open Source license.
* <p>
* It can be used like this:
* <blockquote><pre>
* String mailhost = "localhost"; // or another mail host
* String from = "Mail Message Servlet &lt;MailMessage@server.com&gt;";
* String to = "to@you.com";
* String cc1 = "cc1@you.com";
* String cc2 = "cc2@you.com";
* String bcc = "bcc@you.com";
* &nbsp;
* MailMessage msg = new MailMessage(mailhost);
* msg.setPort(25);
* msg.from(from);
* msg.to(to);
* msg.cc(cc1);
* msg.cc(cc2);
* msg.bcc(bcc);
</pre></blockquote>
* msg.setSubject("Test subject");
* PrintStream out = msg.getOutputStream();
* &nbsp;
* Enumeration enum = req.getParameterNames();
* while (enum.hasMoreElements()) {
*   String name = (String)enum.nextElement();
*   String value = req.getParameter(name);
*   out.println(name + " = " + value);
* }
* &nbsp;
* msg.sendAndClose();
* </pre></blockquote>
* <p>
* Be sure to set the from address, then set the recepient
* addresses, then set the subject and other headers, then get the
* PrintStream, then write the message, and finally send and close.
* The class does minimal error checking internally; it counts on the mail
* host to complain if there's any malformatted input or out of order
* execution.
* &lt;p&gt;
* An attachment mechanism based on RFC 1521 could be implemented on top of
* this class. In the meanwhile, JavaMail is the best solution for sending
* email with attachments.
* &lt;p&gt;
* Still to do:
* &lt;ul&gt;
* &lt;li&gt;Figure out how to close the connection in case of error
* &lt;/li&gt;
* &lt;/ul&gt;
* &lt;p&gt;
* @version 1.1, 2000/03/19, added angle brackets to address, helps some servers
* version 1.0, 1999/12/29
* */

Found in path(s):
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/mail/MailMessage.java

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

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*/
This class implements a security manager meant for usage by tasks that run inside the
Ant VM. An examples are the Java Task and JUnitTask.

The basic functionality is that nothing (except for a base set of permissions) is allowed, unless
the permission is granted either explicitly or implicitly.

If a permission is granted this can be overruled by explicitly revoking the permission.

It is not permissible to add permissions (either granted or revoked) while the Security Manager
is active (after calling setSecurityManager() but before calling restoreSecurityManager()).

@since Ant 1.6

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Found in path(s):
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/Permissions.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/condition/IsFalse.java

No license file was found, but licenses were detected in source scan.
jar/org/apache/tools/ant/taskdefs/cvslib/RCSFile.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/Reference.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/Substitution.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/ContainsSelector.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/Assertions.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/NotSelector.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/SignJar.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/TarFileSet.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/LogLevel.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/TempFile.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/email/Mailer.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/rmic/RmicAdapterFactory.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/zip/ZipExtraField.java
jar/org/apache/tools/ant/TaskAdapter.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/condition/IsSet.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/StringResource.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/condition/Or.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/jar/TarOutputStream.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/Jar.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/util/FlatFileNameMapper.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/LoadProperties.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/Transform.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/GenerateKey.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/Execute.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/mail/SmtpResponseReader.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/ClassConstants.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/DispatchUtils.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/selectors/Date.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/BuildListener.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/input/InputHandler.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/ContainsRegexpSelector.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/SchemaResource.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskHandler.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskListener.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/DispatchUser.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskUtils.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskLocationUtils.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskLocation.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskEntity.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskContext.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskAction.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskActivation.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskActivationListener.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskActivationContext.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskActivationTask.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskActivationTaskListener.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/dispatch/TaskActivationTaskContext.java
* /opt/cola/permit...
jar/org/apache/tools/ant/taskdefs/condition/Os.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/BaseExtendSelector.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/selectors/Size.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/Restrict.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/BZip2Resource.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/email/Message.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/StripLineComments.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/bzip2/CBZip2InputStream.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/DynamicAttribute.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/Intersect.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/BaseSelectorContainer.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/modifiedselector/DigestAlgorithm.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/util/MergingMapper.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/EscapeUnicode.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/Resource.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/ReplaceTokens.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/util/DateUtils.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/util/regexp/RegexpMatcher.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/util/LazyHashtable.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/tar/TarInputStream.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/KeepAliveInputStream.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/KeepAliveInputStream.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/None.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/LineContains.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/LineContains.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/LineContains.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/LineContains.java *
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/filters/LineContains.java ...

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jar/org/apache/tools/ant/types/RedirectorElement.java
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/types/ResourceCollection.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/taskdefs/ManifestTask.java
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/TypeAdapter.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/filters/HeadFilter.java
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/types/spi/Provider.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/taskdefs/EchoXML.java
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/taskdefs/Cvs.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/types/FlexInteger.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/Main.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/zip/ZipEntry.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/types/selectors/FileSelector.java
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jar/org/apache/tools/ant/taskdefs/DefaultExcludes.java
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jar/org/apache/tools/ant/BuildException.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
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jar/org/apache/tools/ant/taskdefs/ExecuteWatchdog.java
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jar/org/apache/tools/ant/taskdefs/email/PlainMailer.java
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jar/org/apache/tools/ant/taskdefs/ProjectHelper2.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/taskdefs/XSLTLiaison.java
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jar/org/apache/tools/ant/taskdefs/Mkdir.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/resources/First.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
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jar/org/apache/tools/ant/listener/MailLogger.java
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/types/selectors/modifiedselector/ChecksumAlgorithm.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/util/UUEncoder.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/Taskdefs/Deltree.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/listener/MailLogger.java
* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-
jar/org/apache/tools/ant/listener/TaskLogger.java
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* /opt/cola/permits/1001074045_1607068014.25/0/com-springsource-org-apache-tools-ant-1-7-0-sources-1-jar/org/apache/tools/ant/types/conditions/antlib.xml
1.1211 redhat-rpm-config 9.1.0 88.el7.centos

1.1212 opensaml-messaging-api 3.3.0

1.1213 antlr-runtime 4.3

1.1214 ant 1.6

1.1215 tomcat 9.0.21

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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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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:
strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

* cvt - IEEE floating point formatting routines.
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1.1222 libgnomekbd 3.26.0-3.el7

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1.1229 jackson 2.10.5

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

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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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 * Enumeration of supported Base64 dialects.
 *<p>
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* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
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  jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
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*/
A decoder that splits the received `ByteBuf`s dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.

`LengthFieldBasedFrameDecoder` has many configuration parameters so that it can decode any message with a length field, which is often seen in proprietary client-server protocols. Here are some example that will give you the basic idea on which option does what.

**2 bytes length field at offset 0, do not strip header**

The value of the length field in this example is `12 (0x0C)` which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = 0
initialBytesToStrip = 0 (= do not strip header)
```

```
BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
+--------+----------------+------| Length | Actual Content |
| Length | Actual Content |
| 0x000C | "HELLO, WORLD" |
+--------+----------------+
```

**2 bytes length field at offset 0, strip header**

Because we can get the length of the content by calling `ByteBuf#readableBytes()`, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified `2`, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset = 0
lengthFieldLength = 2
```
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
* +--------+----------------+ +----------------+
* | Length | Actual Content | Actual Content |
* | 0x000C | "HELLO, WORLD" | "HELLO, WORLD" |
* +--------+----------------+ +----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+ +--------+----------------+
* | Length | Actual Content | Actual Content |
* | 0x000E | "HELLO, WORLD" | "HELLO, WORLD" |
* +--------+----------------+ +--------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+----------------+ +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content | Header 1 |  Length  | Actual Content |
* +----------+----------+----------------+ +----------+----------+----------------+
<h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

```
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
```

<h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.

The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

```
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
```
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* `<pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* `<b>`lengthAdjustment</b> = `<b>`-3</b> (= the length of HDR1 + LEN, negative)
* `<b>`initialBytesToStrip</b> = `<b>` 3</b>
* `<pre>
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +------------------------+------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------------------------+------------------------+
* </pre>
* @see LengthFieldPrepender
*/

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*/opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
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/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
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1.1238 httpcomponents-client 4.5.2

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

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

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

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

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

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

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

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Eclipse

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

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

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

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Oracle

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

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

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

* java.sun.security.ssl

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

OW2

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

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

Apache

The following artifacts are ASL2 licensed.

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

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 */
/**
 * <p>
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * [<link javax.validation.ParameterNameProvider>]. By default, [@code arg0], [@code arg1] etc.
 * will be used as parameter names.
 * </p>
 * <p>
 * The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* </pre>
* { @code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* </p>
* Can be specified on any method or constructor.
* </p>
* *
* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MaxValidatorForBigDecimal.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-
jar/org/hibernate/validator/cfg/context/ConstructorConstraintMappingContext.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForReadableInstant.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForBigDecimal.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/cfg/defs/pl/NIPDef.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/NonContainerCascadingMetaData.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/validatorinternal/engine/messageinterpolation/ElTermResolver.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/internal/util/privilegedactions/NewProxyInstance.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/internal/engin/valueextraction/ValueExtractorManager.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArray.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/validatorinternal/engine/scripting/package-info.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/CrossParameterStaxBuilder.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaDataBuilder.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/OptionalIntValueExtractor.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForInteger.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PESELValidator.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/REGONValidator.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/validator/ValidationContext.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/limit/NumberMaxValidatorForFloat.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/validator/ValidatorFactoryImpl.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/validator/ValidationContext.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/validator/ValidatorFactoryImpl.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/validator/ValidationContext.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/limit/NumberMinValidatorForFloat.java

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* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/LongArrayValueExtractor.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/metadata/raw/ConstrainedField.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForBigDecimal.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/pl/NIPValidator.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/ENGINE/messageinterpolation/parser/MessageDescriptorFormatException.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/parameternameprovider/ParanamerParameterNameProvider.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/util/privilegedactions/GetResource.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/DefaultPackageStaxBuilder.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/engine/messageinterpolation/ParameterTermResolver.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/CFG/defs/pl/package-info.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/ParameterScriptAssertValidator.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/NotBlankValidator.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfByte.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenCollector.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForReadablePartial.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/internal/UTIL/TypeVariables.java
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1.jar/org/hibernate/validator/package-info.java
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 **
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 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

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* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/META-INF/validation-mapping-1.0.xsd
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/maven/org.hibernate.validator/hibernate-validator/pom.xml
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/META-INF/validation-mapping-1.0.xml
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/META-INF/validation-mapping-2.0.xml
* /opt/cola/permits/1106729402_1605661466.13/0/hibernate-validator-6-0-21-final-sources-1-jar/org/hibernate/validator/overview.html
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1.1279 jackson 2.9.8

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# Jackson JSON processor

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

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 cmd/krb5/slave/kpropd_rpc.c
 lib/gss_mechs/mech_krb5/et/kdb5_err.c
 lib/gss_mechs/mech_spnego/mecg/gssapiP_spnego.h
 lib/gss_mechs/mech_spnego/mecg/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
 lib/libgss/g_acquire_cred.c
 lib/libgss/g_canon_name.c
 lib/libgss/g_compare_name.c
```
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
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
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_credential.c
lib/gssapi/mechglue/g_canonicalize_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_display_name.c
lib/gssapi/mechglue/g_display_status.c
lib/gssapi/mechglue/g_duplicate_name.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_credential.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_credential.c
lib/gssapi/mechglue/g_initiate_connection.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_machine.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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* @version 3.0 (December 2000)

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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
  @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.1311 protobuf-java 2.5.0

1.1312 jetty-continuation 8.1.7.v20120910

1.1313 wildfly-batch-jberet 14.0.1.Final

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1.1315 kafka-streams-test-utils 2.4.1
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1.1318 zlib 1.2.11

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Jutta Degener
Carsten Bormann
## 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** = -fPIC

### 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,-Bs symbolic

### Shared object suffix

- **SO** = so

### Non-shared intermediate object suffix

- **STATIC_O** = ao

### Compilation rules

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

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

---

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## 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_TARGET_VERSION_MAJOR): %.$@.%.$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

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

## End FreeBSD-specific setup

---

1.1321 maven-pmd-plugin 2.4

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# Jackson JSON processor

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

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1.1325 httpasyncclient 4.1.2

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1.1326 wildfly-microprofile-config-smallrye

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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
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* /opt/ws_local/PERMITS_SQL/1091710925_1600571652.7/0/wildfly-elytron-auth-util-1-11-2-final-sources-jar/org/wildfly/security/auth/util/RegexNameValidatingRewriter.java

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Manifest-Version: 1.0

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Specification-Title: AspectJ Runtime Classes
Specification-Version: 1.7
Specification-Vendor: aspectj.org
Implementation-Title: org.aspectj.tools
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   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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   analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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1.1342 perl-scalar-list-utils 1.27-248.el7

1.1343 jackson-datatype-jdk8 2.9.9

1.1344 log4j-api 2.9.1
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1.1350 pcollections 3.1.0

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analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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  jar/org/xnio/streams/LimitedOutputStream.java
* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-
  jar/org/xnio/streams/LimitedInputStream.java
* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-
  jar/org/xnio/channels/SocketAddressBuffer.java
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  jar/org/xnio/LocalSocketAddress.java
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  jar/org/xnio/ByteBufferSlicePool.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/channels/FixedLengthStreamSinkChannel.java
* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/channels/NullStreamSinkChannel.java
* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/channels/FixedLengthUnderflowException.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/channels/SplitStreamSourceChannel.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/TypeOption.java
* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/XnioWorker.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/Bits.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/streams/BufferPipeOutputStream.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/channels/BlockingReadableByteChannel.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/channels/CloseableChannel.java
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* /opt/cola/permits/110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1.jar/org/xnio/conduits/ConduitReadableByteChannel.java
* /opt/cola/permits/110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1.jar/org/xnio/iochannels/AcceptListenerSettable.java
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* /opt/cola/permits/1110675511_1606843952.33/0/xnio-api-3-6-5-final-sources-1-jar/org/xnio/Connection.java
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1.1363 zlib 1.2.3

1.1363.1 Available under license :
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.1364 gdbm 1.10-8.el7

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-- activemq-web
========================================================================
== For the behaviour.js library ==
========================================================================

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Initial authors:

Stefan Haustein
Aleksander Slominski

2001-12-12

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Stefan Haustein
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2001-12-12

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-- activemq-web

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Initial authors:

Stefan Haustein
Aleksander Slominski

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2001-12-12

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-- activemq-web

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-- activemq-web
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img
---layout--------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
__ts_dev__1    2048 4095 1024 83 Linux
-------------------

Create 2nd primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 2nd primary partition
__ts_dev__1    2048 4095 1024 83 Linux
__ts_dev__2    4096 20479 8192 a5 FreeBSD
-------------------

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------
Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#  start   end   size  fstype [fsize bsize   cpg]
c:  4096  20479  16384  unused  0     0     0
d:   0  16064  16065  unused  0     0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#  start   end   size  fstype [fsize bsize   cpg]
a:  4096   6144   2049  4.2BSD  0     0     0
c:  4096  20479  16384  unused  0     0     0
d:   0  16064  16065  unused  0     0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused   5  4.1BSD   9  4.4LFS   d  boot
1  swap   6  Eighth Edition  a  unknown  e  ADOS
1.1368 jboss-modules 1.8.6.Final

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1.1369 hibernate 3.0

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  jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
  jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
  jar/io/netty/channel/DefaultSelectStrategyFactory.java
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  jar/io/netty/channel/SelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
  jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
  jar/io/netty/channel/group/VoidChannelGroupFuture.java
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/DefaultChannelId.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/group/ChannelMatchers.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/socket/oio/OioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/bootstrap/ChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/ConnectTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/nio/SelectedSelectionKeySet.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1.jar/io/netty/channel/ChannelProgressiveFuture.java
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelId.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/group/ChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/MessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelOutboundBuffer.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its [@link ChannelPipeline].
*
* <h3>Sub-types</h3>
* <p>
* [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
* <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
* <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*<h3>The context object</h3>
*<p>
* A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext]
* object. A [@link ChannelHandler] is supposed to interact with the
* [@link ChannelPipeline] it belongs to via a context object. Using the
* context object, the [@link ChannelHandler] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [@link AttributeKey])s which is specific to the handler.
* 
* <h3>State management</h3>
A `ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private boolean loggedIn;

    @Override
    public void channelRead0(ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where an unauthenticated client can get the confidential information:

```java
// Create a new handler instance per channel.
// See `ChannelInitializer#initChannel(Channel)`. 
public class DataServerInitializer extends ChannelInitializer<Channel> {
    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [@link AttributeKey]s which is provided by
* [@link ChannelHandlerContext]:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* [@code @Sharable]
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]&lt;Message&gt; {
*     private final [@link AttributeKey]&lt;@link Boolean&gt; auth =
*         new AttributeKey.&lt;String&gt;ValueOf("auth");
*     
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         Attribute&lt;Boolean&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             attr.set(true);
*         } else (message instanceof GetDataMessage) {
*             if (Boolean.TRUE.equals(attr.get())) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }<pre>
* Now that the state of the handler is attached to the [@link ChannelHandlerContext], you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends [@link ChannelInitializer]&lt;@link Channel&gt; {
*     private static final DataServerHandler SHARED = new DataServerHandler();
*     
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", SHARED)<b>;</b>
*     }
* }<pre>
* <h4>The [@code @Sharable] annotation</h4>
* In the example above which used an [@link AttributeKey],
* you might have noticed the [@code @Sharable] annotation.
* If a `@link ChannelHandler` is annotated with the `@Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `@link ChannelPipeline`'s multiple times without a race condition.

* If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

* This annotation is provided for documentation purpose, just like the JCIP annotations.

* <h3>Additional resources worth reading</h3>

* Please refer to the `@link ChannelHandler`, and `@link ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

*/

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  jar/io/netty/channel/AbstractChannelHandlerContext.java
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  jar/io/netty/channel/ChannelFactory.java
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jar/io/netty/channel/CompleteChannelFuture.java
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jar/io/netty/channel/AbstractServerChannel.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
jar/io/netty/channel/AbstractChannel.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
jar/io/netty/channel/pool/FixedChannelPool.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
jar/io/netty/channel/pool/ChannelHealthChecker.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
jar/io/netty/channel/pool/SimpleChannelPool.java
* /opt/ws_local/PERMITS_SQL/1063377421_1592971888.81/0/netty-transport-4-1-43-final-sources-1-
jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java

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

## End BSD-specific setup

### 1.1379 go-patricia v2.2.6

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1.1380 artemis-core-client 1.1.0.wildfly-017

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* /opt/colla/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-visualization/src/main/java/edu/uci/ics/jung/visualization/control/SatelliteScalingGraphMousePlugin.java
* /opt/colla/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-visualization/src/main/java/edu/uci/ics/jung/visualization/control/SatelliteTranslatingGraphMousePlugin.java
* /opt/colla/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-visualization/src/main/java/edu/uci/ics/jung/visualization/control/SatelliteShearingGraphMousePlugin.java
* /opt/colla/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-visualization/src/main/java/edu/uci/ics/jung/visualization/control/SatelliteRotatingGraphMousePlugin.java
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  visualization/src/main/java/edu/uci/ics/jung/visualization/control/AbsoluteCrossoverScalingControl.java
* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-
  visualization/src/main/java/edu/uci/ics/jung/visualization/transform/shape/ViewLensSupport.java
* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-
  visualization/src/main/java/edu/uci/ics/jung/visualization/transform/MagnifyTransformer.java
* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-
  visualization/src/main/java/edu/uci/ics/jung/visualization/transform/shape/HyperbolicShapeTransformer.java
* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-
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  visualization/src/main/java/edu/uci/ics/jung/visualization/control/ScalingControl.java
* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-
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* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-visualization/src/main/java/edu/uci/ics/jung/visualization/renderers/PluggableRenderContext.java

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* /opt/cola/permits/1106204198_1607111113.65/0/jung-jung-visualization-1-tar-gz/jung-visualization/src/main/java/edu/uci/ics/jung/visualization/renderers/PluggableRenderContext.java

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Mesa 3-D graphics library
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1.1416 at-spi2-atk 2.26.2-1.el7

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lib/krb5/kdb/kdb_convert.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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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/gImp_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
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kprolog.c

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  jar/io/netty-buffer/UnpooledHeapByteBuf.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/ByteBuf.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/ByteBufOutputStream.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/PooledDirectByteBuf.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/PoolSubpage.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/AbstractByteBuf.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/ByteBufInputStream.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty-buffer/PooledByteBufAllocator.java
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* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
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* /opt/cola/permits/110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
* /opt/cola/permits/110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
* /opt/cola/permits/110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/cola/permits/110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/PooledDuplicatedByteBuf.java
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* /opt/cola/permits/110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
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  jar/io/netty/buffer/HeapByteBufUtil.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
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  jar/io/netty/buffer/UnpooledSlicedByteBuf.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
  jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
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* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-
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  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/DefaultByteBufHolder.java
  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/ByteBufProcessor.java
  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
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  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/ByteBufHolder.java
  * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java

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Email local part: ph10
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1.1430 google-oauth-client 1.22.0

1.1431 relaxngdatatetype 2011.1

1.1432 jackson-dataformat-yaml 2.4.5

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# Jackson JSON processor

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

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1.1433 slide-webdavlib 2.1

1.1434 scala 2.12.10

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   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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<inceptionYear>2013</inceptionYear>

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</developers>
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</prerequisites>

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  <java.test.version>1.8</java.test.version>
  
  <maven.compiler.source>${java.version}</maven.compiler.source>
  <maven.compiler.target>${java.version}</maven.compiler.target>
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  <junit.version>4.12</junit.version>
  <guava-testlib.version>21.0</guava-testlib.version>
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* /opt/ws_local/PERMITS_SQL/1093815924_1601014602.33/0/jctools-core-3-1-0-sources-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

1.1451 saaj 1.5.2
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jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java
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jar/org/springframework/beans/propertyeditors/StringTrimmerEditor.java
* /opt/ws_local/PERMITS_SQL/1068290127_1594350313.74/0/spring-beans-5-2-2-release-sources-1-
jar/org/springframework/beans/support/DefaultListableBeanFactory.java
* /opt/ws_local/PERMITS_SQL/1068290127_1594350313.74/0/spring-beans-5-2-2-release-sources-1-
jar/org/springframework/beans/factory/support/DisposableBeanAdapter.java
* /opt/ws_local/PERMITS_SQL/1068290127_1594350313.74/0/spring-beans-5-2-2-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionBuilder.java
* /opt/ws_local/PERMITS_SQL/1068290127_1594350313.74/0/spring-beans-5-2-2-release-sources-1-
jar/org/springframework/beans/factory/support/AutowiredUtils.java
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jar/org/springframework/beans/factory/support/AutowireUtils.java
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* /opt/ws_local/PERMITS_SQL/1068290127_1594350313.74/0/spring-beans-5-2-2-release-sources-1-jar/org/springframework/beans/factory/parsing/PropertyEntry.java

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*/

Found in path(s):
/.../wildfly-elytron-auth-server-1-11-2-final-sources.jar/org/wildfly/security/cache/LRURealmIdentityCache.java
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*/
/**
 * Returns a {@link PermissionVerifier} with all the permissions associated with the given information.
 * Once returned, client code can use the {@link PermissionVerifier#implies(Permission)} to check if a given permission
 * to the given principal. Implementors must make sure that the returned collection is immutable.
 * @param permissionMappable the object to which permissions can be mapped (must not be @code null)
 * @param roles a set of effective roles after all role mapping was applied by security domain (may be @code null)
 * @return a permission verifier (not @code null)
 */

Found in path(s):
.../wildfly-elytron-auth-server-1-11-2-final-sources.jar/org/wildfly/security/authz/PermissionMapper.java
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* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/auth/callback/ExclusiveNameCallback.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/SimplePermissionMapper.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/auth/server/MechanismInformation.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/AddSuffixRoles.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/AddPrefixRoles.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/OneRole.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/PermissionMappable.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/MechanismInformationCallback.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-jar/org/wildfly/security/authz/ModifiableRealmIdentityIterator.java

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jar/org/wildfly/security/auth/server/event/Rfc5424SyslogEvent.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-
jar/org/wildfly/security/auth/server/EvidenceDecoder.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-
jar/org/wildfly/security/auth/server/event/SyslogAuditEvent.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-
jar/org/wildfly/security/auth/callback/EvidenceDecodePrincipalCallback.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-
jar/org/wildfly/security/auth/server/event/SecurityRealmUnavailableEvent.java
* /opt/ws_local/PERMITS_SQL/1091710562_1600571574.85/0/wildfly-elytron-auth-server-1-11-2-final-sources-
jar/org/wildfly/security/auth/server/event/Rfc3164SyslogEvent.java

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/**< *
 * $Id$
 */

package org.apache.maven.model;

/**
 *
 *
 * Describes the licenses for this project. This is used
 * to generate
 * the license page of the project's web site, as well as
 * being taken into
 * consideration in other reporting and validation. The
 * licenses listed for
 * the project are that of the project itself, and not of
public class License implements java.io.Serializable {

    private String name;

    private String url;

    private String distribution;

    private String comments;

    public String getComments()
    {
        return this.comments;
    }

} //-- String getComments()
/**
 * Get
 * 
 *             The primary method by which this project may be
 * distributed.
 *             <dl>
 *               <dt>repo</dt>
 *               <dd>may be downloaded from the Maven
 * repository</dd>
 *               <dt>manual</dt>
 *               <dd>user must manually download and install
 * the dependency.</dd>
 *             </dl>
 * 
 *            
 */

public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 * Get
 * 
 *             The full legal name of the license.
 * 
 *            
 */

public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get
 * 
 *             The official url for the license text.
 * 
 *            
 */

public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Set
 * 
 *             Addendum information pertaining to this license.
 * 
 *            
 */
public void setComments(String comments)
{
    this.comments = comments;
} //-- void setComments(String)

/**
 * Set
 *
 * The primary method by which this project may be distributed.
 * <dl>
 *   <dt>repo</dt>
 *     <dd>may be downloaded from the Maven repository</dd>
 *   <dt>manual</dt>
 *     <dd>user must manually download and install the dependency.</dd>
 * </dl>
 *
 * @param distribution
 */
public void setDistribution(String distribution)
{
    this.distribution = distribution;
} //-- void setDistribution(String)

/**
 * Set
 *
 * The full legal name of the license.
 *
 *
 * @param name
 */
public void setName(String name)
{
    this.name = name;
} //-- void setName(String)

/**
 * Set
* The official url for the license text.

* @param url
 */
public void setUrl(String url)
{
    this.url = url;
} //-- void setUrl(String)

private String modelEncoding = "UTF-8";

public void setModelEncoding( String modelEncoding )
{
    this.modelEncoding = modelEncoding;
}

public String getModelEncoding()
{
    return modelEncoding;
}

/*
* @version $Revision$ $Date$
*/

package org.apache.maven.model;

/**
 * Description of a person who has contributed to the
 * project, but
 * who does not have commit privileges. Usually, these
 * contributions come in the form of patches submitted.
 *
 * @version $Revision$ $Date$
 */

public class Contributor implements java.io.Serializable {

    //-------------------------------
    // Class/Member Variables -/
    //-------------------------------

    /**
* Field name
 */
private String name;

/**
 * Field email
 */
private String email;

/**
 * Field url
 */
private String url;

/**
 * Field organization
 */
private String organization;

/**
 * Field organizationUrl
 */
private String organizationUrl;

/**
 * Field roles
 */
private java.util.List roles;

/**
 * Field timezone
 */
private String timezone;

/**
 * Field properties
 */
private java.util.Properties properties;

//===--------------------------
// Methods -/
//===--------------------------

/**
 * Method addProperty
 * @param key
 */
public void addProperty(String key, String value)
{
    getProperties().put( key, value );
} //-- void addProperty(String, String)

/**
 * Method addRole
 *
 * @param string
 */
public void addRole(String string)
{
    getRoles().add( string );
} //-- void addRole(String)

/**
 * Get
 * 
 * The email address of the contributor.
 * 
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 * Get
 * 
 * The full name of the contributor.
 * 
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get
 * 
 * The organization to which the contributor
 * belongs.
 * 
 */
public String getOrganization()
{
    return this.organization;
} //-- String getOrganization()

/**
* Get
*
* The URL of the organization.
*
*
*/
public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

/**
* Method getProperties
*/
public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
* Method getRoles
*/
public java.util.List getRoles()
{
    if ( this.roles == null )
    {
        this.roles = new java.util.ArrayList();
    }

    return this.roles;
} //-- java.util.List getRoles()

/**
* Get
*
* The timezone the contributor is in. This is a
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()

/**
 * Get
 *
 * The URL for the homepage of the contributor.
 *
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Method removeRole
 *
 * @param string
 */
public void removeRole(String string)
{
    getRoles().remove(string);
} //-- void removeRole(String)

/**
 * Set
 *
 * The email address of the contributor.
 *
 */
public void setEmail(String email)
{
    this.email = email;
} //-- void setEmail(String)
* The full name of the contributor.
*
* @param name
*/
public void setName(String name)
{
    this.name = name;
} //-- void setName(String)

/**
 * Set
 * 
 * The organization to which the contributor belongs.
 * 
 * @param organization
 */
public void setOrganization(String organization)
{
    this.organization = organization;
} //-- void setOrganization(String)

/**
 * Set
 * 
 * The URL of the organization.
 * 
 * @param organizationUrl
 */
public void setOrganizationUrl(String organizationUrl)
{
    this.organizationUrl = organizationUrl;
} //-- void setOrganizationUrl(String)

/**
 * Set
 * 
 * Properties about the contributor, such as an instant messenger handle.
 * 
 */
* @param properties
*/
public void setProperties(java.util.Properties properties)
{
    this.properties = properties;
} //-- void setProperties(java.util.Properties)

/**
 * Set
 * @param roles
 */
public void setRoles(java.util.List roles)
{
    this.roles = roles;
} //-- void setRoles(java.util.List)

/**
 * Set
 * The timezone the contributor is in. This is a number in the range -11 to 12.
 * @param timezone
 */
public void setTimezone(String timezone)
{
    this.timezone = timezone;
} //-- void setTimezone(String)
* @param url
*/
public void setUrl(String url)
{
    this.url = url;
} //-- void setUrl(String)

private String modelEncoding = "UTF-8";

public void setModelEncoding( String modelEncoding )
{
    this.modelEncoding = modelEncoding;
}

public String getModelEncoding()
{
    return modelEncoding;
}

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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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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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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-metal dot uni-essen dot de>,
Eric Youngdale <eric at andante dot org>,

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    James Bottomley <jejb@parisc-linux.org>,
    Lars Marowsky-Bree <lmb@suse.de>,

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Kurt Garloff <garloff at suse dot de>,
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/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its {@link ChannelPipeline}.  
 *
 * [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 *
 * <ul>
 * <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 *
 * Alternatively, the following adapter classes are provided for your convenience:
 *
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 * <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 * <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 * </ul>
 *
 * For more information, please refer to the documentation of each subtype.
 *
 *
 * The context object
 *
 * A [ @link ChannelHandler] is provided with a [ @link ChannelHandlerContext] object. A [ @link ChannelHandler] is supposed to interact with the
* [@link ChannelPipeline] it belongs to via a context object. Using the context object, the [@link ChannelHandler] can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using [@link AttributeKey])s which is specific to the handler.

* <h3>State management</h3>

* A [@link ChannelHandler] often needs to store some stateful information. The simplest and recommended approach is to use member variables:

* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends [@link SimpleChannelInboundHandler] &lt;Message&gt; { 
*     <b>private boolean loggedIn;</b>
* 
*     [@code @Override]
*     public void channelRead0([@link ChannelHandlerContext] ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) { 
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
* 
*     }
* }
* </pre>

* Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where an unauthenticated client can get the confidential information:

* <pre>
* // Create a new handler instance per channel.
* // See [@link ChannelInitializer#initChannel(>Channel)].
* public class DataServerInitializer extends [@link ChannelInitializer] &lt;Channel&gt; {
*     [@code @Override]
*     public void initChannel([@link Channel] channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler();</b>)
*     }
* }
* </pre>
<h4>Using `AttributeKey`s</h4>

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}

@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```

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The `@Sharable` annotation

In the example above which used an `@link AttributeKey`, you might have noticed the `@code @Sharable` annotation.

If a `@link ChannelHandler` is annotated with the `@code @Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `@link ChannelPipeline`'s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Additional resources worth reading

Please refer to the `@link ChannelHandler`, and `@link ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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jar/io/netty/channel/DefaultSelectStrategy.java
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jar/io/netty/channel/PreferHeapByteBufAllocator.java
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jar/io/netty/channel/WriteBufferWaterMark.java
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jar/io/netty/bootstrap/BootstrapConfig.java

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2.0.4.RELEASE

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1.1500 jersey-guava 2.12

1.1501 sqlite 3.7.17-8.el7_7.1
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#$Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Hiragana_Latin.txt,v$
#$Date: 2001/11/30 22:21:15$
#$Revision: 1.6$
#-----------------------------------------------

:: \[\u3041-\u3094\u3099\u309D-\u309E\u30AC\u30AE\u30B4\u30B6\u30BA\u30BC\u30BE\u30C0\u30C2\u30C5\u30C7\u30C9\u30D0\u30D3\u30D6\u30D9\u30DC\u30F4\u30F7-\u30FA\u30FE]\ ;
:: NFD ;
:: Hiragana-Katakana;
:: Katakana-Latin;

:: NFC;

:: (Lower);

:: ([',.À-Za-z-àù00C0-ù00D6ù00D8-ù00F6ù00F8-ù010Fù0112-ù0125ù0128-ù0130ù0134-ù0137ù0139-
ù013Eu0143-ù0148u014Cù0151ù0154-ù0165ù0168-ù017Eu01A0-ù01A1ù01AF-ù01B0ù01CD-
ù01DCu01DE-ù01E3ù01E6-ù01EDu01F0ù01F4-ù01F5ù01F8-ù021Bu021E-ù021Fu0226-
ù023Bu0304u04E2-u04E3u04EE-u04EFu1E00-u1E99u1EA0-
ù1EF9u1FB1u1FB9u1FD1u1FD9u1FE1u1FE9u212A-u212B]);

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* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2.6.1-
jar/com/ibm/icu/impl/data/Transliterator_Hiragana_Latin.txt

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# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Malayalam.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.9 $
#-------------------------------------------------------------

# InterIndic-Malayalam
#:: NFD (NFC);
\ue001\u0d02; # REMAP (indicExceptions.txt): \u0d01\u0d02 = SIGN CANDRABINDU>SIGN ANUSVARA
\ue002\u0d02; # SIGN ANUSVARA
\ue003\u0d03; # SIGN VISARGA
\ue005\u0d05; # LETTER A
\ue006\u0d06; # LETTER AA
\ue007\u0d07; # LETTER I
\ue008\u0d08; # LETTER II
\ue009\u0d09; # LETTER U
\ue00a\u0d0a; # LETTER UU
\ue00b\u0d0b; # LETTER VOWELIC R
\ue00c\u0d0c; # LETTER VOWELIC L
\ue00d\u0d0e; # FALLBACK LETTER E
\ue00e\u0d0e; # LETTER E
\ue00f\u0d0f; # LETTER EE
\ue010\u0d10; # LETTER AI
\ue011\u0d12; # FALLBACK TO O
\ue012\u0d12; # LETTER O
\ue013\u0d13; # LETTER OO
\ue014\u0d14; # LETTER AU
\ue015\u0d15; # LETTER KA
\ue016\u0d16; # LETTER KHA
\ue017\u0d17; # LETTER GA
\ue076>       # CURRENCY NUMERATOR TWO
\ue077>       # CURRENCY NUMERATOR THREE
\ue078>       # CURRENCY NUMERATOR FOUR
\ue079>       # CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
\ue07A>       # CURRENCY DENOMINATOR SIXTEEN
\ue07B>       # ISSHAR
\ue07C>       # TIPPI
\ue07D>       # ADDAK
\ue07E>       # IRI
\ue07F>       # URA
\ue080>       # EK ONKAR

0 > \u0d66;       # FALLBACK FOR TAMIL
1 > \u0d67;

# :: NFC (NFD);
# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
   jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Malayalam.txt

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#--------------------------------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Greek_Latin_UNGEGN.txt,v $
# $Date: 2002/07/26 16:09:04 $
# $Revision: 1.2 $
#--------------------------------------------------------------------------------------
# For modern Greek, based on UNGEGN rules.

# Rules are predicated on running NFD first, and NFC afterwards
# MINIMAL FILTER GENERATED FOR: Greek-Latin/UNGEGN
# WARNING: need to add accents to both filters ###
# :: [μÆÉÍÔÛÜêëêîððû------------------------] ;
:: [[[Greek:]:[Mn:][:Me:]] [\-
     ?u00B7\u037E\u0387]} ;
::NFD (NFC) ;

# Useful variables

$lower = [[[latin:][:greek:]] & [[:Ll:]] ;
$upper = [[[latin:][:greek:]] & [[:Lu:]] ;
$accent = [[[Mn:][:Me:]] ;

$macron = ;
$ddot = ;

$lcgvowel = [];
$ucgvowel = [];
$gvowel = [$lcgvowel $ucgvowel];
$lcgvowelC = [$lcgvowel $accent];

$evowel = [aeiouyAEIOUY];
$vowel = [ $evowel $gvowel];

$beforeLower = $accent * $lower;

$gammaLike = [];
$egammaLike = [GKXCgkxc];
$smooth = ;
$rough = ;
$iotasub = ;

$softener = [$gvowel];

$under = ;
$caron = ;

$afterLetter = [:L:] [\$accent]* ;
$beforeLetter = [\$accent]* [:L:] ;

# Fix punctuation

# preserve orginal
\: <> \:\$under ;
\?: <> \?: \$under ;

\: <> \?: ;
\: <> \:\;

# Fix any ancient characters that creep in

> ;
> ;
> ;
$smooth > ;
$rough > ;
$iotasub > ;
> ;

# need to have these up here so the rules don't mask
<> i $under ;
<> I $under ;

} $beforeLower <> Ps ;
<> PS ;
<> ps ;

<> o $under ;
<> O $under ;

# at beginning or end of word, convert mp to b

[^[:L:]$accent] [ > b ;
] [^[:L:]$accent] > b ;
[^[:L:]$accent] [ ]]> B ;
[ ]]> ^[^[:L:]$accent] ]> B ;

< b ;
< B } $beforeLower ;
< B ;

# handle diphthongs ending with upsilon

<> ou ;
<> OU ;
<> Ou ;
<> oU ;

$fmaker = [aeiAEI] $under ;
$shiftForwardVowels = [[:Mn:-][u0308]]; # note: a diaeresis keeps the items separate

$fmaker { ( $shiftForwardVowels )* } $softener > $1 v $under ;
$1 < ( $shiftForwardVowels )* v $under ;

$fmaker { ( $shiftForwardVowels )* } > $1 f $under ;
$1 < ( $shiftForwardVowels )* f $under ;

$fmaker { } $softener <> V $under ;
$fmaker { <> U $under ;

<> y ;
<> Y ;

# NORMAL

<> a ;
<> A ;
< R ;

[Pp] { } > V ;
[Pp] { } > V ;

# Caron means exception

# before a letter, initial
| $beforeLetter => $Sunder | $beforeLetter;
| $beforeLetter => s | $beforeLetter;

# otherwise, after a letter = final
|$afterLetter { => $afterLetter { s $under;
|$afterLetter { => $afterLetter { s ;

# otherwise (isolated) = initial
< s $under;
< s ;

[Pp] { < \S ;
< S ;

< t ;
< T ;

< f ;
< F ;

< ch ;
| $beforeLower => Ch ;
< CH ;

# Completeness for ASCII

# $ignore = [:Mark:]["] * ;

| ch < h ;
| k < c ;
| i < j ;
| k < q ;
| b < u | $vowel ;
| b < w | $vowel ;
| y < u ;
| y < w ;

| Ch < H ;
| K < C ;
| I < J ;
# Completeness for Greek

```
| K < Q ;
| B < W | $vowel ;
| B < U | $vowel ;
| Y < W ;
| Y < U ;
```

# delete any trailing ' marks used for roundtripping

```
< [] { V } [Ss] ;
< [] { V } SegammaLike ;
```

::NFC (NFD) ;

# MINIMAL FILTER GENERATED FOR: Latin-Greek/UNGEGN BACKWARD
:: (([[[:Latin:][:Mn:][:Me:] [:?]])

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# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Malayalam_InterIndic.txt,v $
# $Date: 2002/03/02 00:27:26 $
# $Revision: 1.5 $

# Malayalam-InterIndic
#:: NFC (NFC) ;
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
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# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.9 $
#-----------------------------

# InterIndic-Devanagari
#: NFC (NFD);
#Rules for Decomposed characters
#  \u0970  # UNMAPPED Devanagari-InterIndic: ABBREVIATION SIGN
#  :: NFC;
#  eof

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#--------------------------------------------------------------------
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# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.6 $
#--------------------------------------------------------------------

# Oriya-InterIndic
#:: NFC (NFC):
#\u0B21\u0B3C>\uE05C;# LETTER RRA
#\u0B22\u0B3C>\uE05D;# LETTER RHA
\u0B47\u0B56>\uE048;# VOWEL SIGN AI
\u0B47\u0B3E>\uE04B;# VOWEL SIGN O
\u0B47\u0B57>\uE04C;# VOWEL SIGN AU
\u0B01>\uE001;  # SIGN CANDRABINDU
\u0B02>\uE002;  # SIGN ANUSVARA
\u0B03>\uE003;  # SIGN VISARGA
\u0B05>\uE005;  # LETTER A
\u0B06>\uE006;  # LETTER AA
\u0B07>\uE007;  # LETTER I
\u0B08>\uE008;  # LETTER II
\u0B09>\uE009;  # LETTER U
\u0B0A>\uE00A;  # LETTER UU
\u0B0B>\uE00B;  # LETTER VOCALIC R
\u0B0C>\uE00C;  # LETTER VOCALIC L
\u0B0F>\uE00F;  # LETTER E
\u0B10>\uE010;  # LETTER AI
\u0B13>\uE013;  # LETTER O
\u0B14>\uE014;  # LETTER AU
\u0B15>\uE015;  # LETTER KA
\u0B16>\uE016;  # LETTER KHA
\u0B17>\uE017;  # LETTER GA
\u0B18>\uE018;  # LETTER GHA
\u0B19>\uE019;  # LETTER NGA
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2.6-1.jar/com/ibm/icu/impl/data/Transliterator_Oriya_InterIndic.txt
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#-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Greek_Latin.txt,v $ #
# $Date: 2002/07/21 08:39:23 $ #
# $Revision: 1.21 $ #
#-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #-- #
# Rules are predicated on running NFD first, and NFC afterwards #
# : [\u0000-\u007F \u0370-\u03FF \[\:Greek:\] \[\:nonspacing mark:\] ]; #
# MINIMAL FILTER GENERATED FOR: Greek-Latin :: [
# \u03F5\u0401\u0407\u0451\u0457\u04D2-\u04D3\u04DA-\u04DF\u04E2-\u04E7\u04EA-\u04F1\u04F4-\u04F5\u04F8-\u04F9\u1E14-\u1E17\u1E20-\u1E21\u1E26-\u1E27\u1E29-\u1E2E\u1E38-\u1E39\u1E4E-\u1E53\u1E55\u1E56\u1E58-\u1E5A-\u1E66\u1E69-\u1E6B\u1E71-\u1E72\u1E7A-\u1E7B\u1E7D-\u1E7E\u1E84-\u1E85\u1E8C-\u1E8D\u1E97\u1F00-\u1F15\u1F18-\u1F1D\u1F20-\u1F45\u1F48-\u1F4D\u1F50-\u1F57\u1F59\u1F5B\u1F5D\u1F5F-\u1F7D\u1F80-\u1FB4-\u1FB6-\u1FBCu\u1FBE\u1FC1-\u1FC4\u1FC6-\u1FFC\u1FCF-\u1FD3\u1FD6-\u1FDB\u1FDF-\u1FEC\u1FF2-\u1FF4\u1FF6-\u1FFC\u2126]; :: NFC (NFC); #
# TEST CASES 
# —
#
# Useful variables

$lower = [[:latin:][:greek:] & [:Ll:]];  
$glower = [[:greek:] & [:Ll:]];  
$upper = [[:latin:][:greek:] & [:Lu:]] ;  
$accent = [:M:] ;

# NOTE: restrict to just the Greek & Latin accents that we care about  
# TODO: broaden out once interation is fixed  
$accentMinus = [ [\u0300-\u0345] & [:M:] - [\u0338] ] ;

$macron = \u0304 ;  
$ddot = \u0308 ;  
$ddotmac = [$ddot$macron] ;

$lcgvowel = [];  
$ucgvowel = [];  
$gvowel = [$lcgvowel $ucgvowel] ;  
$lcgvowelC = [$lcgvowel $accent] ;

$evowel = [aeiouyAEIOUY];  
$evowel2 = [iuyIUY];  
$vowel = [ $evowel $gvowel] ;

$gammaLike = [];  
$egammaLike = [GKXCgkxc] ;  
$smooth = ;  
$rough = ;  
$iotasub = ;

$evowel_i = [sevowel-[iI]] ;  
$evowel2_i = [uuyUY];

$underbar = \u0331;  
$safterLetter = [L:] [:M:] \^[!]* ;  
$sbeforeLetter = [:M:] \^[!]* :[L:] ;  
$sbeforeLower = $accent * $lower ;

$notLetter = [^[:L:][:M:]];  
$sunder = ;
# Fix punctuation
# preserve original
\: <> \: $under ;
\? <> \? $under ;
\; <> \? ;
· <> \: ;

# CIRCUMFLEX: convert greek circumflex to normal one. Could use tilde or inverted breve
\u0342 <> \u0302 ;

# IOTA: convert iota subscript to iota
# first make previous alpha long!
$accent_minus = [[$accent]-[$iotasub$macron]];

} $accent_minus * $iotasub > |  $macron ;
} $accent_minus * $iotasub > |  $macron ;

# now convert to uppercase if after uppercase, ow to lowercase
$upper $accent * { $iotasub > I ;
$Iotasub > i ;

| $1 $iotasub < ($evowel $macron $accentMinus *) i ;
| $1 $iotasub < ($evowel $macron $accentMinus *) I ;

# BREATHING

# Convert rough breathing to h, and move before letters.

# Make A ` x = > H a x

($macron?) $rough ] $beforeLower > H | $1;
$rough ] $beforeLower > H | ;
$rough ] $beforeLower > H | ;
($ddot?) $rough ] $beforeLower > H | $1;
$rough ] $beforeLower > H | ;
$rough ] $beforeLower > H | ;
($ddot?) $rough ] $beforeLower > H | $1;

# Make A x ` = > H a x

($glower $macron?) $rough > H | $1 ;
($glower) $rough > H | $1 ;
($glower) $rough > H | $1 ;
($glower $ddot?) $rough > H | $1 ;
($glower) $rough > H | $1 ;
($glower) $rough > H | $1 ;
($glower $ddot?) $rough > H | $1 ;

# Otherwise, make x ` into h x and X ` into H X

($lcgvowel + $ddotmac? ) $rough > h | $1 ;
($gvowel + $ddotmac? ) $rough > H | $1 ;

# Go backwards with H

| $1 $rough < h $(sevowel $smacron $sddot? $sevowel2_i $smacron?) ;
| $1 $rough < h $(sevowel $sddot? $sevowel2 $smacron?) ;
| $1 $rough < h $(sevowel $smacron? $sddot? ) ;

| $1 $rough < H ([AEIOUY] $smacron $sddot? $sevowel2_i $smacron?) ;
| $1 $rough < H ([AEIOUY] $sddot? $sevowel2 $smacron?) ;
| $1 $rough < H ([AEIOUY] $smacron? $sddot? ) ;

# titlecase, have to fix individually
# in the future, we should add &uppercase() to make this easier

| A $1 $rough < H a $(smacron $sddot? $sevowel2_i $smacron?) ;
| E $1 $rough < H e $(smacron $sddot? $sevowel2_i $smacron?) ;
| I $1 $rough < H i $(smacron $sddot? $sevowel2_i $smacron?) ;
| O $1 $rough < H o $(smacron $sddot? $sevowel2_i $smacron?) ;
| U $1 $rough < H u $(smacron $sddot? $sevowel2_i $smacron?) ;
| Y $1 $rough < H y $(smacron $sddot? $sevowel2_i $smacron?) ;

| A $1 $rough < H a $(sddot? $sevowel2 $smacron?) ;
| E $1 $rough < H e $(sddot? $sevowel2 $smacron?) ;
| I $1 $rough < H i $(sddot? $sevowel2 $smacron?) ;
| O $1 $rough < H o $(sddot? $sevowel2 $smacron?) ;
| U $1 $rough < H u $(sddot? $sevowel2 $smacron?) ;
| Y $1 $rough < H y $(sddot? $sevowel2 $smacron?) ;

# Now do smooth

# delete smooth breathing for Latin

$smooth > ;
# insert in Greek
# the assumption is that all Marks are on letters.

| $1 $smooth < SnotLetter { (qrst) } [^hH$smooth$rough] ;
| $1 $smooth < SnotLetter { ($evowel $macron? $evowel2 $macron?) } [^$smooth$rough] ;
| $1 $smooth < SnotLetter { (Sevowel $macron?) } [^Sevowel2$smooth$rough] ;

# TODO: preserve smooth/rough breathing if not on initial vowel sequence

# need to have these up here so the rules don't mask

# remove now superfluous macron when returning

< A $macron ;
< a $macron ;

<> e $macron ;
<> E $macron ;

<> ph ;
} $beforeLower <> Ps ;
<> PS ;

} $beforeLower <> Ph ;
<> PH ;
<> ps ;

<> o $macron ;
<> O $macron ;

# NORMAL

<> a ;
<> A ;

<> b ;
<> B ;

} $gammaLike <> n } $egammaLike ;
<> g ;
} $gammaLike <> N } $egammaLike ;
<> G ;

<> d ;
<> D ;

<> e ;
<> E;
<> z;
<> Z;

<> th;
} $beforeLower <> Th;
<> TH;

<> i;
<> I;

<> k;
<> K;

<> l;
<> L;

<> m;
<> M;

} $gammaLike > n';
<> n;
} $gammaLike <> NV;
<> N;

<> x;
<> X;

<> o;
<> O;

<> p;
<> P;

$rough <> rh;
$rough } $beforeLower <> Rh;
$rough <> RH;
<> r;
<> R;

# insert separator

[Pp] { } > V;
[Pp] { } > V;

# underbar means exception
# before a letter, initial
| $beforeLetter <= s $underbar | $beforeLetter;
| $beforeLetter <= s | $beforeLetter;

# otherwise, after a letter = final
$afterLetter { <= $afterLetter { s $underbar;
$afterLetter { <= $afterLetter { s ;

# otherwise (isolated) = initial
<= s $underbar;
<= s ;

[Pp] { <= \S ;
<= S ;

<= t ;
<= T ;

$vowel { } <= u ;
<= y ;
$vowel { } <= U ;
<= Y ;

<= ch ;
} $beforeLower <= Ch ;
<= CH ;

# Completeness for ASCII

$ignore = [:Mark:]" * ;

| k < e ;
| ph < f ;
| i < j ;
| k < q ;
| b < v } $vowel ;
| b < w } $vowel;
| u < v ;
| u < w ;
| K < C ;
| Ph < F ;
| I < J ;
| K < Q ;
| B < V } $vowel ;
| B < W } $vowel ;
| U < V ;
| U < W ;
$\text{Srough \ Signore [\text{UppercaseLetter:}] > H}$;
$\text{Signore [\text{UppercaseLetter:}] [\text{Srough > H}]}$
$\text{Srough < H}$;
$\text{Srough <> h}$;

# Completeness for Greek

> | ;
> | ;
> | ;
> | ;
> | ;
> | ;
> | ;
> | ;

| > | ;
| > | ;
| > | ;
| > | ;
| > | ;
| > | ;
| > | ;
| > | ;

| µ > | ;

# delete any trailing ' marks used for roundtripping

< [] \{ } [Ss] ;
< [] \{ } SegammaLike ;

::NFC (NFD) ;
#$\{(\text{u0000-u007F [\text{Latin:}] [\text{Greek:}] [:nonspacing mark:]}])\} ;$
#$\{(\text{u0000-u007F \text{\textbackslash a}0B7 [:\text{Latin:}] [:nonspacing mark:]}))\} ;$

# MINIMAL FILTER GENERATED FOR: Latin-Greek BACKWARD

:: ( ['?A-Za-z\text{\textbackslash u00C0-\text{\textbackslash u00C5}\text{\textbackslash u00C7-\text{\textbackslash u00CF}\text{\textbackslash u00D1-\text{\textbackslash u00D6}\text{\textbackslash u00D9-\text{\textbackslash u00DD}\text{\textbackslash u00E0-\text{\textbackslash u00E5}\text{\textbackslash u00E7-\text{\textbackslash u00EF}}}}]}]} ;
\text{\textbackslash u00F6}\text{\textbackslash u00F9-\text{\textbackslash u00FD}}\text{\textbackslash u00FF-\text{\textbackslash u010F}}\text{\textbackslash u0112-\text{\textbackslash u0125}}\text{\textbackslash u0128-\text{\textbackslash u0134}}\text{\textbackslash u0137}\text{\textbackslash u0139}\text{\textbackslash u013E}\text{\textbackslash u0143-\text{\textbackslash u0148}}\text{\textbackslash u0151}\text{\textbackslash u0154-\text{\textbackslash u0165}}\text{\textbackslash u0168-\text{\textbackslash u017E}}\text{\textbackslash u01A0-\text{\textbackslash u01A1}}\text{\textbackslash u01AF-\text{\textbackslash u01B0}}\text{\textbackslash u01CD-\text{\textbackslash u01DC}}\text{\textbackslash u01DE-\text{\textbackslash u01E3}}\text{\textbackslash u01E6-\text{\textbackslash u01F0}}\text{\textbackslash u01F4-\text{\textbackslash u01F5}}\text{\textbackslash u01F8-\text{\textbackslash u021B}}\text{\textbackslash u021E-\text{\textbackslash u0226}}-\text{\textbackslash u0233}\text{\textbackslash u0300-\text{\textbackslash u0337}}\text{\textbackslash u0339-\text{\textbackslash u0345}}\text{\textbackslash u0348-\text{\textbackslash u037E}}\text{\textbackslash u0390-\text{\textbackslash u03B0}}\text{\textbackslash u03CA-\text{\textbackslash u03CE}}\text{\textbackslash u03D3-\text{\textbackslash u03D4}}\text{\textbackslash u0400-\text{\textbackslash u0403}}\text{\textbackslash u0407-\text{\textbackslash u040C}}\text{\textbackslash u040E-\text{\textbackslash u0419}}\text{\textbackslash u0439-\text{\textbackslash u0450}}-\text{\textbackslash u0451}\text{\textbackslash u0453-\text{\textbackslash u0457}}\text{\textbackslash u045C-\text{\textbackslash u045F}}\text{\textbackslash u0476-\text{\textbackslash u0477}}\text{\textbackslash u04C1-\text{\textbackslash u04C2}}\text{\textbackslash u04D0-\text{\textbackslash u04D3}}\text{\textbackslash u04D7-\text{\textbackslash u04DA}}-\text{\textbackslash u04DF}\text{\textbackslash u04E2-\text{\textbackslash u04E7}}\text{\textbackslash u04EA-\text{\textbackslash u04F5}}\text{\textbackslash u04F8-\text{\textbackslash u04F9}}\text{\textbackslash u04E0-\text{\textbackslash u04E9}}\text{\textbackslash u04EA-\text{\textbackslash u1F95}}\text{\textbackslash u1F96-\text{\textbackslash u1F9F}}\text{\textbackslash u1F00-\text{\textbackslash u1F03}}\text{\textbackslash u1F07-\text{\textbackslash u1F0C}}\text{\textbackslash u1F0E-\text{\textbackslash u1F10}}-\text{\textbackslash u1F13} \text{\textbackslash u1F15-\text{\textbackslash u1F18}}\text{\textbackslash u1F1D}\text{\textbackslash u1F20-\text{\textbackslash u1F25}}\text{\textbackslash u1F2B-\text{\textbackslash u1F2E}}\text{\textbackslash u1F34-\text{\textbackslash u1F37}}\text{\textbackslash u1F39-\text{\textbackslash u1F3E}}\text{\textbackslash u1F40-\text{\textbackslash u1F43}}\text{\textbackslash u1F45-\text{\textbackslash u1F47}}\text{\textbackslash u1F49-\text{\textbackslash u1F4D}}\text{\textbackslash u1F50-\text{\textbackslash u1F57}}\text{\textbackslash u1F59-\text{\textbackslash u1F5C}}\text{\textbackslash u1F5F-\text{\textbackslash u1F62}}\text{\textbackslash u1F64-\text{\textbackslash u1F66}}\text{\textbackslash u1F68-\text{\textbackslash u1F6A}]}]} ;$

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-jar/com/ibm/icu/impl/data/Transliterator_Greek_Latin.txt
No license file was found, but licenses were detected in source scan.

#----------------------------------------------------------------------
# Copyright (c) 1999-2001, International Business Machines
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#----------------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Telugu.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.9 $
#----------------------------------------------------------------------

# InterIndic-Telugu
#: NFD (NFC);
\ue001>\u0c01; # SIGN CANDRABINDU
\ue002>\u0c02; # SIGN ANUSVARA
\ue003>\u0c03; # SIGN VISARGA
\ue005>\u0c05; # LETTER A
\ue006>\u0c06; # LETTER AA
\ue007>\u0c07; # LETTER I
\ue008>\u0c08; # LETTER II
\ue009>\u0c09; # LETTER U
\ue00a>\u0c0a; # LETTER UU
\ue00b>\u0c0b; # LETTER VOCALIC R
\ue00c>\u0c0c; # LETTER VOCALIC L
\ue00d>\u0c0e; # FALLBACK MAPPING
\ue00e>\u0c0e; # LETTER E
\ue00f>\u0c0f; # LETTER EE
\ue010>\u0c10; # LETTER AI
\ue011>\u0c12; # FALLBACK MAPPING
\ue012>\u0c12; # LETTER O
\ue013>\u0c13; # LETTER OO
\ue014>\u0c14; # LETTER AU
\ue015>\u0c15; # LETTER KA
\ue016>\u0c16; # LETTER KHA
\ue017>\u0c17; # LETTER GA
\ue018>\u0c18; # LETTER GHA
\ue019>\u0c19; # LETTER NGA
\ue01a>\u0c1a; # LETTER CA
\ue01b>\u0c1b; # LETTER CHA
\ue01c>\u0c1c; # LETTER JA
\ue01d>\u0c1d; # LETTER JHA
\ue01e>\u0c1e; # LETTER NYA
\ue01f>\u0c1f; # LETTER TTA
\ue020>\u0c20; # LETTER TTHA
\ue021>\u0c21; # LETTER DDA
\ue022>\u0c22; # LETTER DDHA
\ue023>\u0c23; # LETTER NNA
\ue024>\u0c24; # LETTER TA
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1 > \u0c67;

# :: NFC (NFD);
# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Telugu.txt
No license file was found, but licenses were detected in source scan.

#---------------------------------------------------------------
# Copyright (c) 1999-2001, International Business Machines
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#---------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Hiragana_Katakana.txt,v $
# $Date: 2002/03/02 00:27:27 $
# $Revision: 1.5 $
#---------------------------------------------------------------

# note: a global filter is more efficient, but MUST include all source chars
:: [\u0000-\u007E \u3001\u3002 \u3099-\u309C \u30A1-\u30FC \uFF61-\uFF9F[:Hiragana:] 
[:Katakana:]
[:nonsspacing mark:] ] ;
:: NFKC () ;

# Hiragana-Katakana

# This is largely a one-to-one mapping, but it has a
# few kinks:

# 1. The Katakana va/vi/ve/vo (30F7-30FA) have no
# Hiragana equivalents. We use Hiragana wa/wi/we/wo
# (308F-3092) with a voicing mark (3099), which is
# semantically equivalent. However, this is a non-
# roundtripping transformation.

# 2. The Katakana small ka/ke (30F5,30F6) have no
# Hiragana equivalents. We convert them to normal
# Hiragana ka/ke (304B,3051). This is a one-way
# information-losing transformation and precludes
# round-tripping of 30F5 and 30F6.

# 3. The combining marks 3099-309C are in the Hiragana
# block, but they apply to Katakana as well, so we
# leave them untouched.

# 4. The Katakana prolonged sound mark 30FC doubles the
# preceding vowel. This is a one-way information-
# losing transformation from Katakana to Hiragana.
# 5. The Katakana middle dot separates words in foreign expressions; we leave this unmodified.

# The above points preclude successful round-trip transformations of arbitrary input text. However, they provide naturalistic results that should conform to user expectations.

# Combining equivalents va/vi/ve/vo
<>;
<>;
<>;
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# One-to-one mappings, main block
# 3041:3094 <> 30A1:30F4
# 309D,E <> 30FD,E
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# One-way Katakana-Hiragana xform of small K ka/ke to
# normal H ka/ke.
< ;
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< ;

# Katakana followed by a prolonged sound mark 30FC has
# its final vowel doubled. This is a Katakana-Hiragana
# one-way information-losing transformation. We
# include the small Katakana (e.g., small A 3041) and
# do not distinguish them from their large
# counterparts. It doesn't make sense to double a
# small counterpart vowel as a small Hiragana vowel, so
# we don't do so. In natural text this should never
# occur anyway. If a 30FC is seen without a preceding
# vowel sound (e.g., after n 30F3) we do not change it.

### $long = ;

# The following categories are Hiragana, not Katakana
# as might be expected, since by the time we get to the
# 30FC, the preceding character will have already been
# transformed to Hiragana.

# {The following mechanically generated from the
# Unicode 3.0 data:}

$xa = [ \
     \ 
     \ 
     \ ];

$xi = [ \
     \ 
     \ ];
$xu = [ \\
   \\
   \\
   ];

$xe = [ \\
   \\
   \\
   ];

$xo = [ \\
   \\
   \\
   ];

$xa {};
$xi {};
$xu {};
$xe {};
$xo {};

:: (NFKC):

# note: a global filter is more efficient, but MUST include all source chars!!
:: ([\u0000-\u007E \u3001\u3002 \u3099-\u309C \u30A1-\u30FC \uFF61-\uFF9F[:Hiragana:] [:Katakana:] [:nonspacing mark:]));

# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2.6.1-
jar/com/ibm/icu/impl/data/Transliterator_Hiragana_Katakana.txt
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# Fullwidth-Halfwidth
# Mechanically generated from Unicode Character Database
# IDEOGRAPHIC SPACE then added, and
# FULLWIDTH MACRON changed to map to MACRON, not SPACE + COMBINING MACRON

# multicharacter

<>; # to KATAKANA LETTER GA
<>; # to KATAKANA LETTER GI
<>; # to KATAKANA LETTER GU
<>; # to KATAKANA LETTER GE
<>; # to KATAKANA LETTER GO
<>; # to KATAKANA LETTER ZA
<>; # to KATAKANA LETTER ZI
<>; # to KATAKANA LETTER ZU
<>; # to KATAKANA LETTER ZE
<>; # to KATAKANA LETTER ZO
<>; # to KATAKANA LETTER DA
<>; # to KATAKANA LETTER DI
<>; # to KATAKANA LETTER DU
<>; # to KATAKANA LETTER DE
<>; # to KATAKANA LETTER DO
<>; # to KATAKANA LETTER BA
<>; # to KATAKANA LETTER PA
<>; # to KATAKANA LETTER BI
<>; # to KATAKANA LETTER PI
<>; # to KATAKANA LETTER BU
<>; # to KATAKANA LETTER PU
<>; # to KATAKANA LETTER BE
<>; # to KATAKANA LETTER PE
<>; # to KATAKANA LETTER BO
<>; # to KATAKANA LETTER PO
<>; # to KATAKANA LETTER VU
<>; # to KATAKANA LETTER VA
<>; # to KATAKANA LETTER VO

# single character

<>'!'; # from FULLWIDTH EXCLAMATION MARK
<>""'; # from FULLWIDTH QUOTATION MARK
<>'#'; # from FULLWIDTH NUMBER SIGN
<>'$'; # from FULLWIDTH DOLLAR SIGN
<>'%'; # from FULLWIDTH PERCENT SIGN
<>'&'; # from FULLWIDTH AMPERSAND
<>''; # from FULLWIDTH APOSTROPHE
<>'('; # from FULLWIDTH LEFT PARENTHESIS
<>')'; # from FULLWIDTH RIGHT PARENTHESIS
<>'*'; # from FULLWIDTH ASTERISK
<>'+'; # from FULLWIDTH PLUS SIGN
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Open Source Used In Data Center Network Manager 11.5(1) 11781
# Warning: does not do round-trip mapping!!

# Convert CJK characters
### :: (halfwidth-fullwidth);

$terminalPunct = ['.' ',' : ';' ?!'[:Pe:][:Pf:]];
$initialPunct = [[:Ps:][:Pi:]];

# add space between any terminal punctuation and letters, and
# between letters and Han or initial punct

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.490/icu4j-2.6-1- jar/com/ibm/icu/impl/data/Transliterator_Fullwidth_Halfwidth.txt
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# Warning: does not do round-trip mapping!!

# Convert CJK characters
### :: (halfwidth-fullwidth);

$terminalPunct = [\:\:\\?!]::[Pe:]::[Pf:];
$initialPunct = [::Ps::Pi:];

# add space between any terminal punctuation and letters, and
# between letters and Han or initial punct

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# Warning: does not do round-trip mapping!!

# Convert CJK characters
### :: (halfwidth-fullwidth);

$terminalPunct = [\:\:\\?!]::[Pe:]::[Pf:];
$initialPunct = [::Ps::Pi:];

# add space between any terminal punctuation and letters, and
# between letters and Han or initial punct
TerminalPunct { } [:L:] > ";
[:L:] { } [:[:Han:] $initialPunct] > ";

# below, the rules add space after ideographs. Remove that space before terminals
{ ' ' } TerminalPunct > ;

# remove all spaces going backwards
## < ";

# Start RAW data for converting CJK characters
>shung\;
>zhung\;
>chuàng\;
>chung\;
>zhuàng\;
>chuáng\;
>zhung\;
>zhuàng\;
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> yng
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Open Source Used In Data Center Network Manager 11.5(1) 12289
Open Source Used In Data Center Network Manager 11.5(1) 12303
Open Source Used In Data Center Network Manager 11.5(1) 12311
## | li < l;
## | mi < m;
## | pi < p;
## | qi < q;
## | l < r;
## | si < s;
## | ti < t;
## | f < v;
## | wa < w;
## | xi < x;
## | yi < y;
## | zi < z;

# filter out the half-width hangul
:: [^\uFFBE-\uFFEE] fullwidth-halfwidth ();
## :: (lower) ;

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com.ibm.icu/impl/data/Transliterator_Han_Latin.txt

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

#--------------------------------------------------------------
# Copyright (c) 1999-2001, International Business Machines
# Corporation and others. All Rights Reserved.
#--------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Gujarati_InterIndic.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.6 $
#--------------------------------------------------------------

# Gujarati-InterIndic
#:: NFD (NFC) :
\u0a81>\ue001; # SIGN CANDRABINDU
\u0a82>\ue002; # SIGN ANUSVARA
\u0a83>\ue003; # SIGN VISARGA
\u0a85>\ue005; # LETTER A
\u0a86>\ue006; # LETTER AA
\u0a87>\ue007; # LETTER I
\u0a88>\ue008; # LETTER II
\u0a89>\ue009; # LETTER U
\u0a8a>\ue00a; # LETTER UU
\u0a8b>\ue00b; # LETTER VOCALIC R
\u0a8d>\ue00d; # VOWEL CANDRA E
\u0a8f>\ue00f; # LETTER E
\u0a90>\ue010; # LETTER AI
\u0a91>\ue011; # VOWEL CANDRA O
\u0a93>\ue013; # LETTER O
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
jar/com/ibm/icu/impl/data/Transliterator_Gujarati_InterIndic.txt
No license file was found, but licenses were detected in source scan.

#---------------------------------------------------------------
# Copyright (c) 1999-2001, International Business Machines
# Corporation and others. All Rights Reserved.
#---------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Latin.txt,v $
# $Date: 2002/09/19 18:11:21 $
# $Revision: 1.8 $
#---------------------------------------------------------------

# InterIndic-Latin
#\u0e00 reserved
#consonants
$chandrabindu=\ue001;
$anusvara=\ue002;
$visarga=\ue003;
#\u0e04 reserved
# w<vowel> represents the stand-alone form
$wa=\ue005;
$waa=\ue006;
$wi=\ue007;
$wii=\ue008;
$wu=\ue009;
$wuu=\ue00a;
$wr=\ue00b;
$wl=\ue00c;
$wce=\ue00d; # LETTER CANDRA E
$wse=\ue00e; # LETTER SHORT E
$we=\ue00f; # \u090f LETTER E
$wai=\ue010;
$wco=\ue011; # LETTER CANDRA O
$wso=\ue012; # LETTER SHORT O
$wo=\ue013; # \u0913 LETTER O
$wau=\ue014;
$ka=\ue015;
$kh=\ue016;
$ga=\ue017;
$gha=\ue018;
$nga=\ue019;
$ca=\ue020;
$cha=\ue021;
$ja=\ue022;
$ja=\ue023;
$ta=\ue024;
$tha=\ue025;
$da=\ue026;
$dha=\ue027;
$na=\ue028;
$ena=\ue029; #compatibility
$pa=\ue02a;
$pha=\ue02b;
$ba=\ue02c;
$bha=\ue02d;
$ma=\ue02e;
$ya=\ue02f;
$ra=\ue030;
$rra=\ue031;
$la=\ue032;
$lla=\ue033;
$ela=\ue034; #compatibility
$va=\ue035;
$sha=\ue036;
$ssa=\ue037;
$sa=\ue038;
$sha=\ue039;

#\u093a Reserved
# \u093b Reserved
$\text{nukta}=\text{ue03c}$;  
$\text{avagraha}=\text{ue03d}$;  # SIGN AVAGRAHA
# \text{<vowel>} represents the dependent form  
$\text{aa}=\text{ue03e}$;  
$\text{i}=\text{ue03f}$;  
$\text{ii}=\text{ue040}$;  
$\text{u}=\text{ue041}$;  
$\text{uu}=\text{ue042}$;  
$\text{rh}=\text{ue043}$;  
$\text{lh}=\text{ue044}$;  
$\text{ce}=\text{ue045}$;  # VOWEL SIGN CANDRA E  
$\text{se}=\text{ue046}$;  # VOWEL SIGN SHORT E  
$\text{e}=\text{ue047}$;  
$\text{ai}=\text{ue048}$;  
$\text{co}=\text{ue049}$;  # VOWEL SIGN CANDRA O  
$\text{so}=\text{ue04a}$;  # VOWEL SIGN SHORT O  
$\text{o}=\text{ue04b}$;  # \u094e Reserved  
$\text{au}=\text{ue04c}$;  
$\text{virama}=\text{ue04d}$;  
# \u094f Reserved
$\text{om}=\text{ue050}$;  # OM  
$\text{ue051}$;  # UNMAPPED STRESS SIGN UDATTYA  
$\text{ue052}$;  # UNMAPPED STRESS SIGN ANUDATTA  
$\text{ue053}$;  # UNMAPPED GRAVE ACCENT  
$\text{ue054}$;  # UNMAPPED ACUTE ACCENT  
$\text{lm}=\text{ue055}$;  # Telugu Length Mark  
$\text{ailm}=\text{ue056}$;  # AI Length Mark  
$\text{aulm}=\text{ue057}$;  # AU Length Mark  
# urdu compatibility forms  
$\text{uka}=\text{ue058}$;  
$\text{ukha}=\text{ue059}$;  
$\text{ugha}=\text{ue05a}$;  
$\text{ujha}=\text{ue05b}$;  
$\text{uddha}=\text{ue05c}$;  
$\text{udha}=\text{ue05d}$;  
$\text{ufa}=\text{ue05e}$;  
$\text{uya}=\text{ue05f}$;  
$\text{wrr}=\text{ue060}$;  
$\text{wll}=\text{ue061}$;  
$\text{rrh}=\text{ue062}$;  
$\text{llh}=\text{ue063}$;  
$\text{danda}=\text{ue064}$;  
$\text{doubleDanda}=\text{ue065}$;  
$\text{zero}=\text{ue066}$;  # DIGIT ZERO  
$\text{one}=\text{ue067}$;  # DIGIT ONE  
$\text{two}=\text{ue068}$;  # DIGIT TWO
$three=\ue069; # DIGIT THREE
$four=\ue06a; # DIGIT FOUR
$five=\ue06b; # DIGIT FIVE
$six=\ue06c; # DIGIT SIX
$seven=\ue06d; # DIGIT SEVEN
$eight=\ue06e; # DIGIT EIGHT
$nine=\ue06f; # DIGIT NINE

# \u0970>; # UNMAPPED ABBREVIATION SIGN
$depVowelAbove=[\ue03e-\ue040\ue045-\ue04c\ue047-\ue04c];
$depVowelBelow=[\ue041-\ue044];

# $x was originally called '&'; $z was '%'
$x=[aaaiuaiiiuuruhrulhllehsoseso]
$z=[bcdfghjklmnpqrstvwxyz];
$vowels=[aeiou]
$forceIndependentMatra = [^[:L:][:\u0300-\u034c]];

######################################################################
# convert from Native letters to Latin letters
######################################################################
#transliterations for anusvara
$anusvara] [skha$ga$nga] > n\u0307;
$anusvara] [sa$ja$nya] > n\u0304;
$anusvara] [stta$dda$na] > n\u0323;
$anusvara] [sta$dda$na] > n
$anusvara] [spa$sha$ma] > m
$anusvara] [sy$a$sa$sha] > n
$anusvara> m\u0307;

# Urdu compatibility
$ya$nu] x > y\u0307 ;
$ya$nu] y\u0307 ;
$ya$nu] y\u0307a ;
$la$nu] x > l\u0331 ;
$la$nu] l\u0331a ;

$na$nu] x > n\u0331 ;
$na$nu] n\u0331 ;
$na$nu] n\u0331a ;

$ena] x > n\u0331 ;
$ena] n\u0331 ;
$ena] n\u0331a ;
$uka> qa ;
$ka$nu] x > q ;
$ku$nu] l\u0331a ;
$ku$nu] l\u0331a ;
$kha$nu$k } $x > k\u000d u0331h\u000d u0331 ;
$kha$nu$k$a$ $vira$ma $> k\u000d u0331h\u000d u0331 ;
$kha$nu$kta $> k\u000d u0331h\u000d u0331a ;
$sukha$ $vira$ma $> k\u000d u0331h\u000d u0331 ;
sukha $> k\u000d u0331h\u000d u0331a ;
$su$gha $> g\u000d u0307a ;
$sga$nu$kta $} $x > g\u000d u0307 ;
$sga$nu$kta$ $vira$ma $> g\u000d u0307 ;
$sga$nu$kta $> g\u000d u0307a ;
$suja $> za ;
$sja$nu$kta $} $x > z ;
$sja$nu$kta$ $vira$ma $> z ;
$sja$nu$kta $> za ;
$uddha$nu$kta$ $x > r\u0323h ;
$uddha$nu$kta$ $vira$ma $> r\u0323h ;
$uddha$nu$kta $> r\u0323ha ;
$uddha $} $x > r\u0323 ;
$uddha$ $vira$ma $> r\u0323 ;
$uddha $> r\u0323a ;

$sudha $> r\u0323a ;
$dda$nu$kta $} $x > r\u0323 ;
$dda$nu$kta$ $vira$ma $> r\u0323 ;
$dda$nu$kta $> r\u0323a ;
$spha$nu$kta $} $x > f ;
$spha$nu$kta$ $vira$ma $> f ;
spha$nu$kta $> fa ;
$spha$ $vira$ma $> f ;
spha $> fa ;

$sra$nu$kta $} $x > r\u0331 ;
sra$nu$kta$ $vira$ma $> r\u0331 ;
sra$nu$kta $> r\u0331a ;
$slla$nu$kta $} $x > l\u0331 ;
slla$nu$kta$ $vira$ma $> l\u0331 ;
slla$nu$kta $> l\u0331a ;
$sella $} $x > l\u0331 ;
sella$ $vira$ma $> l\u0331 ;
sella $> l\u0331a ;

$suya $} $x > y\u0307 ;
suya$ $vira$ma $> y\u0307 ;
suya $> y\u0307a ;
# normal consonants
$ka$virama}$Sha>k``;
$ka}x>k;
$ka$virama>k;
$ka>ka;
$kh\a}x>kh;
$kh\a$virama>kh;
$kh\a>ka;
$ga$virama}Sha>g``;
$ga}x>g;
$ga$virama>g;
$ga>ga;
$gha}x>gh;
$gha$virama>gh;
$gha>gha;
$nga}x>n\u0307;
$nga$virama>n\u0307;
$nga>n\u0307a ;
$ca$virama}Sha>c``;
$ca}x>c;
$ca$virama>c;
$ca>ca;
$cha}x>ch;
$cha$virama>ch;
$cha>ch;
$ja$virama}Sha>j``;
$ja}x>j;
$ja$virama>j;
$ja>ja;
$ja}x>jh;
$ja$virama>jh;
$ja>ja;
$nya }x>n\u0303 ;
$nya$virama>n\u0303 ;
$nya > n\u0303a ;
$tta$virama}Sha>t\u0323``;
$tta}x>t\u0323;
$tta$virama>t\u0323;
$tta>t\u0323a;
# dependent vowels (should never occur except following consonants)

$sa$snu$tk$ $x>s\u0301;
$sa$snu$tk$s$vira$ma$ $x>\u0301;
$sa$snu$tk$ > s\u0301a;
$sa$ $x=s\u0301;

$sha$ $x>s\u0301;
$sha$s$vira$ma$ $x>\u0301;
$sha$ > s\u0301a;

$ss$ $x>s\u0323;
$ss$s$vira$ma$ $x>\u0323;
$ss$s $x>s\u0323a;
$ha$ $x=h;
$ha$s$vira$ma$ $x=h;
$ha$ $x=ha;

$aa$ $x=a\u0304;
$ai$ $x=ai;
$au$ $x=au;
$ii$ $x=i\u0304;
$i$ $x=i;
$uu$ $x=u\u0304;
$u$ $x=u;
$rrh$ $x=r\u0325\u0304;
$rh$ $x=r\u0325;
$llh$ $x=l\u0325\u0304;
$lh$ $x=l\u0325;

#extra vowels

$ce$ $x=e\u0306;
$co$ $x=o\u0306;
$se$ $x=e;
$so$ $x=o;

$nukta$ $x=s\u0301;
$vira$ma$ $x=u0301;
$au$ $x=a$;

$snu$tk$ $x=u0304;
$ai$ $x=ai;
$au$ $x=au;
$ii$ $x=i\u0304;
$i$ $x=i;
$uu$ $x=u\u0304;
$u$ $x=u;
$rrh$ $x=r\u0325\u0304;
$rh$ $x=r\u0325;
$llh$ $x=l\u0325\u0304;
$lh$ $x=l\u0325;

$nukta$ $x=s\u0301;
$vira$ma$ $x=u0301;
$au$ $x=a$;

$snu$tk$ $x=u0304;
$ai$ $x=ai;
$au$ $x=au;
$ii$ $x=i\u0304;
$i$ $x=i;
$uu$ $x=u\u0304;
$u$ $x=u;
$rrh$ $x=r\u0325\u0304;
$rh$ $x=r\u0325;
$llh$ $x=l\u0325\u0304;
$lh$ $x=l\u0325;

)nukta$ $x=s\u0301;
$vira$ma$ $x=u0301;
$au$ $x=a$;

$snu$tk$ $x=u0304;
$ai$ $x=ai;
$au$ $x=au;
$ii$ $x=i\u0304;
$i$ $x=i;
$uu$ $x=u\u0304;
$u$ $x=u;
$rrh$ $x=r\u0325\u0304;
$rh$ $x=r\u0325;
$llh$ $x=l\u0325\u0304;
$lh$ $x=l\u0325;
$e > ēu0304 ;
$0 > ōu0304 ;

#extra vowels
$ce > ēu0306 ;
$co > ōu0306 ;
$se > e ;
$so > o ;

#dependent vowels when following independent vowels. Generally Illegal only for roundtripping
$swaa] $x > āu0304u0314 ;
$swai] $x > aīu0314 ;
$swau] $x > au̇u0314 ;
$swii] $x > īu0304u0314 ;
$swi ] $x > īu0314 ;
$swuu] $x > u̇u0304u0314 ;
$swu ] $x > u̇u0314 ;

$swrr] $x > ōu0325u0304u0314 ;
$swr ] $x > ōu0325u0314 ;
$swl] $x > l̄u0325u0304u0314 ;
$swl ] $x > l̄u0325u0314 ;
$swew ] $x > ēu0304u0314 ;
$swwo ] $x > ōu0304u0314 ;
$swwa ] $x > āu0314 ;

#extra vowels
$swce] $x > ēu0306u0314 ;
$swco] $x > ōu0306u0314 ;
$swse] $x > ēu0314 ;
$swso] $x > ōu0314 ;
$swom] $x > "om"u0314 ;

# independent vowels when preceeded by vowels
$vowels[swaa ] > "āu0304 ;
$vowels[swai ] > "ai ;
$vowels[swau ] > "au ;
$vowels[swii ] > "īu0304 ;
$vowels[swi ] > "i ;
$vowels[swuu ] > "u̇u0304 ;
$vowels[swu ] > "u ;
$vowels[swrr ] > "ōu0325u0304 ;
$vowels[swr ] > "ōu0325 ;
$vowels[swll ] > "l̄u0325u0304 ;
$vowels[swl ] > "l̄u0325 ;
$vowels[swew ] > "ēu0304 ;
$vowels[swwo ] > "ōu0304 ;
$vowels[swwa ] > "a ;

#extra vowels
$vowels[swce ] > "ēu0306 ;
$vowels[swco ] > "ōu0306 ;
$vowels[swse ] > "e ;
$\text{vowels}\{\text{\textwso} \to \text{"o}\};$

# independent vowels (otherwise)
$\text{\textswaa} \to \text{\\u0110u0304};$
$\text{\textswai} \to \text{ai};$
$\text{\textswau} \to \text{au};$
$\text{\textswii} \to \text{\\u0110u0304};$
$\text{\textswi} \to \text{i};$
$\text{\textswuu} \to \text{\u0110u0304};$
$\text{\textswu} \to \text{u};$
$\text{\textswrr} \to \text{\r\u0325\u0304};$
$\text{\textswr} \to \text{\r\u0325};$
$\text{\textswll} \to \text{\l\u0325\u0304};$
$\text{\textswl} \to \text{\l\u0325};$
$\text{\textswce} \to \text{\e\u0306};$
$\text{\textswco} \to \text{\o\u0306};$
$\text{\textswse} \to \text{\e};$
$\text{\textswso} \to \text{\o};$
$\text{\textswom} \to \text{"om};$

#extra vowels
$\text{\textswce} \to \text{\e\u0306};$
$\text{\textswco} \to \text{\o\u0306};$
$\text{\textswse} \to \text{\e};$
$\text{\textswso} \to \text{\o};$
$\text{\textswom} \to \text{"om};$

#stress marks
$\text{\textsavagraha} \to \text{\u0315};$
$\text{\textschandrabinduSanusvara} \to \text{\u0303};$
$\text{\textschandrabindu} \to \text{\m\u0310};$
$\text{\textvisarga} \to \text{\h\u0323};$

#numbers
$\text{\textzero} \to \text{0};$
$\text{\textone} \to \text{1};$
$\text{\texttwo} \to \text{2};$
$\text{\textthree} \to \text{3};$
$\text{\textfour} \to \text{4};$
$\text{\textfive} \to \text{5};$
$\text{\textsix} \to \text{6};$
$\text{\textseven} \to \text{7};$
$\text{\texteight} \to \text{8};$
$\text{\textnine} \to \text{9};$
$\text{\textlm} \to ;$
$\text{\textailm} \to ;$
$\text{\textaulm} \to ;$

$\text{\textdanda} \to ;$
$\text{\textdoubleDanda} \to ;$

\text{\ue070}; \quad \text{# ABBREVIATION SIGN}
# LETTER RA WITH MIDDLE DIAGONAL
\ue071}\$x>ra;
\ue071$\text{virama}>r;
\ue071}>ra;

# LETTER RA WITH LOWER DIAGONAL
\ue072}\$x>ra;
\ue072$\text{virama}>r;
\ue072}>ra;

\ue073>; # RUPEE MARK
\ue074>; # RUPEE SIGN
\ue075>; # CURRENCY NUMERATOR ONE
\ue076>; # CURRENCY NUMERATOR TWO
\ue077>; # CURRENCY NUMERATOR THREE
\ue078>; # CURRENCY NUMERATOR FOUR
\ue079>; # CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
\ue07A>; # CURRENCY DENOMINATOR SIXTEEN
\ue07B>; # ISSHAR
\ue07C>; # TIPPI
\ue07D>; # ADDAK
\ue07E>; # IRI
\ue07F>; # URA
\ue080>; # EK ONKAR

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Latin.txt

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#---------------------------------------------------------------
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#---------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Devanagari_InterIndic.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.10 $
#---------------------------------------------------------------

# Devanagari-InterIndic
# :: NFD;
#Rules for Decomposed characters

\u0901>\uE001; # SIGN CANDRABINDU
\u0902>\uE002; # SIGN ANUSVARA
\u0903>\uE003; # SIGN VISARGA
\u0905>\uE005; # LETTER A
\u0906>\uE006; # LETTER AA
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# Tamil-InterIndic
#:: NFD (NFC) ;

\u0B82>\uE002;   # SIGN ANUSVARA
\u0B83>\uE003;   # SIGN VISARGA
\u0B85>\uE005;   # LETTER A
\u0B86>\uE006;   # LETTER AA
\u0B87>\uE007;   # LETTER I
\u0B88>\uE008;   # LETTER II
\u0B89>\uE009;   # LETTER U
\u0B8A>\uE00A;   # LETTER UU
\u0B8E>\uE00E;   # LETTER E
\u0B8F>\uE00F;   # LETTER EE
\u0B90>\uE010;   # LETTER AI
\u0B92>\uE012;   # LETTER O
\u0B93>\uE013;   # LETTER OO
\u0B94>\uE014;   # LETTER AU
\u0B95>\uE015;   # LETTER KA
\u0B99>\uE019;   # LETTER NGA
\u0B9A>\uE01A;   # LETTER CA
\u0B9C>\uE01C;   # LETTER JA
\u0B9E>\uE01E;   # LETTER NYA
\u0B9F>\uE01F;   # LETTER TTA
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-jar/com/ibm/icu/impl/data/Transliterator_Tamil_InterIndic.txt
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#
# Source: /usr/cvs/icu4j/icu4j/src/com/ibm/impl/data/Transliterator_Gurmukhi_InterIndic.txt,v
# Date: 2002/09/19 18:11:23
# Revision: 1.12
#
#
## Gurmukhi-InterIndic
##:: NFD (NFC):

\u0A02>\u0E02; # SIGN Bindi
\u0A05>\u0E05; # LETTER A
\u0A06>\u0E06; # LETTER AA
\u0A07>\u0E07; # LETTER I
\u0A08>\u0E08; # LETTER II
\u0A09>\u0E09; # LETTER U
\u0A0A>\u0E0A; # LETTER UU
\u0A0C>\u0E32; # FALLBACK: VOCALLIC LA
\u0A0F>\u0E0F; # LETTER EE
\u0A10>\u0E10; # LETTER AI
\u0A13>\u0E13; # LETTER OO
\u0A14>\u0E14; # LETTER AU
\u0A15>\u0E15; # LETTER KA
\u0A16>\u0E16; # LETTER KHA
\u0A17>\u0E17; # LETTER GA
\u0A18>\u0E18; # LETTER GHA
\u0A19>\u0E19; # LETTER NGA
\u0A1A>\u0E1A; # LETTER CA
\u0A1B>\u0E1B; # LETTER CHA
\u0A1C>\u0E1C; # LETTER JA
\u0A1D>\u0E1D; # LETTER JHA
\u0A1E>\u0E1E; # LETTER NYA
\u0A1F>\u0E1F; # LETTER TTA
\u0A20>\u0E20; # LETTER TTHA
\u0A21>\u0E21; # LETTER DDA
\u0A22>\u0E22; # LETTER DDHA
\u0A23>\u0E23; # LETTER NNA
\u0964>ue064;  # DANDA
\u0965>ue065;  # DOUBLE DANDA
#  :: NFC (NFD) ;
# eof

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* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com/ibm/icu/impl/data/Transliterator_Gurmukhi_InterIndic.txt
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#----------------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Tamil.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.10 $
#----------------------------------------------------------------------

# InterIndic-Tamil
#: NFD (NFC) ;
\ue001>\u0b82; # FALLBACK SIGN CANDRABINDU
\ue002>\u0b82; # SIGN ANUSVARA
\ue003>\u0b83; # SIGN VISARGA
\ue005>\u0b85; # LETTER A
\ue006>\u0b86; # LETTER AA
\ue007>\u0b87; # LETTER I
\ue008>\u0b88; # LETTER II
\ue009>\u0b89; # LETTER U
\ue00a>\u0b8a; # LETTER UU
\ue00b>\u0b90\u0b91; # REMAP (indicExceptions.txt): \u0bb7>\u0b90\u0b91 = LETTER VOCALIC R>LETTER RA.VOWEL SIGN I
\ue00c>\u0b87; # REMAP (indicExceptions.txt): \u0b89>\u0b87 = LETTER VOCALIC L>LETTER I
\ue00d>\u0b90; # FALLBACK
\ue00e>\u0b8e; # LETTER E
\ue00f>\u0b90; # LETTER EE
\ue010>\u0b90; # LETTER AI
\ue011>\u0b92; # FALLBACK
\ue012>\u0b92; # LETTER O
\ue013>\u0b93; # LETTER OO
\ue014>\u0b94; # LETTER AU
\ue015>\u0b95; # LETTER KA
\ue016>\u0b95; # REMAP (indicExceptions.txt): \u0b98>\u0b95 = LETTER KHA>LETTER KA
\ue017>\u0b95; # REMAP (indicExceptions.txt): \u0b97>\u0b95 = LETTER GA>LETTER KA
\ue018>\u0b95; # REMAP (indicExceptions.txt): \u0b98>\u0b95 = LETTER GHA>LETTER KA
\ue019>\u0b99; # LETTER NGA
\ue01a>\u0b9a; # LETTER CA
\ue01b>\u0b9a; # REMAP (indicExceptions.txt): \u0b9b>\u0b9a = LETTER CHA>LETTER CA
\ue046>\u0bc6; # VOWEL SIGN E
\ue047>\u0bc7; # VOWEL SIGN EE
\ue048>\u0bc8; # VOWEL SIGN AI
\ue049>\u0bbe; # REMAP (indicExceptions.txt): \u0bc9>\u0bbe = VOWEL SIGN CANDRA O>VOWEL SIGN AA
\ue04a>\u0bca; # VOWEL SIGN O
\ue04b>\u0bcc; # VOWEL SIGN OO
\ue04c>\u0bcc; # VOWEL SIGN AU
\ue04d>\u0bcd; # SIGN VIRAMA
\ue050>\u0b93\u0bae\u0bcd; # REMAP (indicExceptions.txt): \u0bd0>\u0b93\u0bae\u0bcd = OM>LETTER OO.LETTER MA.SIGN VIRAMA
\ue051>
\ue052>
\ue053>
\ue054>
\ue055>; # UNMAPPED InterIndic-Tamil: LENGTH MARK
\ue056>\u0be8; # REMAP (indicExceptions.txt): \u0bd6>\u0be8 = AI LENGTH MARK>VOWEL SIGN AI
\ue057>\u0bd7; # AU LENGTH MARK
\ue058>\u0bb5; # Fallback
\ue059>\u0bb6; # REMAP (indicExceptions.txt): \u0bd9>\u0bb6 = LETTER KHHA>LETTER KA
\ue05a>\u0bb7; # REMAP (indicExceptions.txt): \u0bd0>\u0bb7 = LETTER GHHA>LETTER KA
\ue05b>\u0bb8; # REMAP (indicExceptions.txt): \u0bd1>\u0bb8 = LETTER ZA>LETTER JA
\ue05c>\u0bb9; # Fallback
\ue05d>\u0bb9; # REMAP (indicExceptions.txt): \u0bd2>\u0bb9 = LETTER RHA>LETTER TTA
\ue05e>\u0bb0; # REMAP (indicExceptions.txt): \u0bd3>\u0bb0 = LETTER FA>LETTER PA
\ue05f>\u0bb1; # REMAP (indicExceptions.txt): \u0bd4>\u0bb1 = LETTER YYA>LETTER YA
\ue060>\u0bb2>\u0bb2; # REMAP (indicExceptions.txt): \u0bd5>\u0bb2 = LETTER VOCALIC RR>LETTER RA.VOWEL SIGN I
\ue061>\u0bb3>\u0bb3; # Fallback Vowel SIGN VOCALIC L
\ue062>\u0bb4>\u0bb4; # Fallback Vowel SIGN VOCALIC LL
\ue063>\u0bb5>\u0bb5; # Fallback for Danda
\ue064>\. # Fallback for Double Danda
\ue065>. # Fallback for Double Danda
\ue066>\u0bb6; # Fallback Digit Zero
\ue067>\u0bb7; # Digit One
\ue068>\u0bb8; # Digit Two
\ue069>\u0bb9; # Digit Three
\ue06a>\u0bb9; # Digit Four
\ue06b>\u0bb9; # Digit Five
\ue06c>\u0bb9; # Digit Six
\ue06d>\u0bb9; # Digit Seven
\ue06e>\u0bb9; # Digit Eight
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Tamil.txt
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#- N.B. DO NOT put any filters, NFD, etc. here -- those are aliased in
#- the INDEX file. This transliterator is, by itself, not
#- instantiated. It is used as a part of Latin-Jamo, Latin-Hangul, or
#- inverses thereof.

# Transliteration from Latin characters to Korean script is done in
A sequence of vowels:
- Take the longest sequence you can. If there are too many, or you don't have a starting consonant, introduce a 110B necessary.

A sequence of consonants.
- First join the double consonants: G + G -> GG
- In the remaining list,
  -- If there is no preceding vowel, take the first consonant, and insert EU after it. Continue with the rest of the consonants.
  -- If there is one consonant, attach to the following vowel
  -- If there are two consonants and a following vowel, attach one to the preceding vowel, and one to the following vowel.
  -- If there are more than two consonants, join the first two together if you can: L + G -> LG
  -- If you still end up with more than 2 consonants, insert EU after the first one, and continue with the rest of the consonants.
# Variables

# Some latin consonants or consonant pairs only occur as initials, and
# some only as finals, but some occur as both. This makes some jamo
# consonants ambiguous when transliterated into latin.
# Initial only: IEUNG BB DD JJ R
# Final only: BS GS L LB LG LM LP LS LT NG NH NJ
# Initial and Final: B C D G GG H J K M N P S SS T

$Gi = \u1100;
$GGi = \u1101;
$NI = \u1102;
$Di = \u1103;
$DD = \u1104;
$R = \u1105;
$Mi = \u1106;
$Bi = \u1107;
$BB = \u1108;
$Si = \u1109;
$SSi = \u110A;
$IEUNG = \u110B; # null initial, inserted during Latin-Jamo
$Ji = \u110C;
$JJ = \u110D;
$Ci = \u110E;
$Ki = \u110F;
$Ti = \u1110;
$Pi = \u1111;
$Hi = \u1112;

$A = \u1161;
$AE = \u1162;
$YA = \u1163;
$YAE = \u1164;
$EO = \u1165;
$E = \u1166;
$YEO = \u1167;
$YE = \u1168;
$O = \u1169;
$WA = \u116A;
$WAE = \u116B;
$OE = \u116C;
$YO = \u116D;
$U = \u116E;
$WEO = \u116F;
$WE = \u1170;
$WI = \u1171;
$YU = \u1172;
$EU = \u1173;  # null medial, inserted during Latin-Jamo
$YI = \u1174;
$I = \u1175;

$Gf = \u11A8;
$GGf = \u11A9;
$GS = \u11AA;
$Nf = \u11AB;
$NJ = \u11AC;
$NH = \u11AD;
$Df = \u11AE;
$L = \u11AF;
$LG = \u11B0;
$LM = \u11B1;
$LB = \u11B2;
$LS = \u11B3;
$LT = \u11B4;
$LP = \u11B5;
$LS = \u11B6;
$Mf = \u11B7;
$BF = \u11B8;
$BS = \u11B9;
$SF = \u11BA;
$SSf = \u11BB;
$NG = \u11BC;
$Jf = \u11BD;
$CF = \u11BE;
$KF = \u11BF;
$TF = \u11C0;
$PF = \u11C1;
$HF = \u11C2;

$jamoInitial = [\u1100-\u1112];

$jamoMedial = [\u1161-\u1175];

$latinInitial = [bcdghjkmnprst];

# Any character in the latin transliteration of a medial
$latinMedial = [aeiouwy];

# The last character of the latin transliteration of a medial
$latinMedialEnd = [aeiou];

# Disambiguation separator
$sep = \';
# Jamo-Latin

# Jamo to latin is relatively simple, since it is the latin that is ambiguous. Most rules are straightforward, and we encode them below as simple add-on back rule, e.g.:  

# $jamoMedial [bs] > $BS;

# becomes

# $jamoMedial [bs] <> $BS;

# Furthermore, we don't care about the ordering for Jamo-Latin because we are going from single characters, so we can very easily piggyback on the Latin-Jamo.

# The main issue with Jamo-Latin is when to insert separators. Separators are inserted to obtain correct round trip behavior. For example, the sequence Ki A Gf Gi E, if transliterated to "kagge", would then round trip to Ki A GGi E. To prevent this, we insert a separator: "kag-ge". IMPORTANT: The need for separators depends very specifically on the behavior of the Latin-Jamo rules. A change in the Latin-Jamo behavior can completely change the way the separator insertion must be done.

# First try to preserve actual separators in the jamo text by doubling them. This fixes problems like:
# -- if we don't care about losing separators in the jamo, we can delete this rule.

$sep $sep <> $sep;

# Triple consonants. For three consonants "axxx" we insert a separator between the first and second "x" if XXf, Xf, and Xi all exist, and we have A Xf XXi. This prevents the reverse transliteration to A XXf Xi.

$sep < $latinMedialEnd g {} $GGi;
$sep < $latinMedialEnd s {} $SSi;

# For vowels the rule is similar. If there is a vowel "ae" such that "a" by itself and "e" by itself are vowels, then we want to map A E to "a-e" so as not to round trip to AE. However, in the text Ki EO IEUNG E we don't need to map to "keo-e". "keoe" suffices. For vowels of the form "aei", both "ae" + "i" and "a" + "ei" must be
# tested. NOTE: These rules used to have a left context of
# **latinInitial** instead of [^latinMedial]. The problem with this is
# sequences where an initial IEUNG is transliterated away:
# (IEUNG)(A)(IEUNG)(EO) => aeo => (IEUNG)(AE)(IEUNG)(O)

$sep < [^latinMedial] [y w] e {} [SO SOE];
$sep < [^latinMedial] e {} [SO SOE $U];
$sep < [^latinMedial] [o a] {} [SE SEO $EU];
$sep < [^latinMedial] [w y] a {} [SE $SEO $EU];

# Similar to the above, but with an intervening $IEUNG.

$sep < [^latinMedial] [y w] e {} $IEUNG [SO SOE];
$sep < [^latinMedial] e {} $IEUNG [SO SOE $U];
$sep < [^latinMedial] [o a] {} $IEUNG [SE $SEO $EU];
$sep < [^latinMedial] [w y] a {} $IEUNG [SE $SEO $EU];

# Single finals followed by IEUNG. The jamo sequence A Xf IEUNG E,
# where Xi also exists, must be transliterated as "ax-e" to prevent
# the round trip conversion to A Xi E.

$sep < latinMedialEnd b {} $IEUNG $jamoMedial;
$sep < latinMedialEnd c {} $IEUNG $jamoMedial;
$sep < latinMedialEnd d {} $IEUNG $jamoMedial;
$sep < latinMedialEnd g {} $IEUNG $jamoMedial;
$sep < latinMedialEnd h {} $IEUNG $jamoMedial;
$sep < latinMedialEnd j {} $IEUNG $jamoMedial;
$sep < latinMedialEnd k {} $IEUNG $jamoMedial;
$sep < latinMedialEnd m {} $IEUNG $jamoMedial;
$sep < latinMedialEnd n {} $IEUNG $jamoMedial;
$sep < latinMedialEnd p {} $IEUNG $jamoMedial;
$sep < latinMedialEnd s {} $IEUNG $jamoMedial;

# Double finals followed by IEUNG. Similar to the single finals
# followed by IEUNG. Any latin consonant pair X Y, between medials,
# that we would split by Latin-Jamo, we must handle when it occurs as
# part of A XYf IEUNG E, to prevent round trip conversion to A Xf Yi
# E.

$sep < latinMedialEnd b s {} $IEUNG $jamoMedial;
$sep < latinMedialEnd g g {} $IEUNG $jamoMedial;
$sep < latinMedialEnd g s {} $IEUNG $jamoMedial;
$sep < latinMedialEnd l b {} $IEUNG $jamoMedial;
$sep < latinMedialEnd l g {} $IEUNG $jamoMedial;
$sep < latinMedialEnd l h {} $IEUNG $jamoMedial;
$sep < latinMedialEnd l m {} $IEUNG $jamoMedial;
$sep < latinMedialEnd l p {} $IEUNG $jamoMedial;
# Split doubles. Text of the form A Xi Xf E, where XXi also occurs, we transliterate as "ax-xe" to prevent round trip transliteration as A XXi E.

$sep < $latinMedialEnd l s {} $IEUNG $jamoMedial;
$sep < $latinMedialEnd l t {} $IEUNG $jamoMedial;
$sep < $latinMedialEnd n g {} $IEUNG $jamoMedial;
$sep < $latinMedialEnd n h {} $IEUNG $jamoMedial;
$sep < $latinMedialEnd n j {} $IEUNG $jamoMedial;
$sep < $latinMedialEnd s s {} $IEUNG $jamoMedial;

# XYY. This corresponds to the XYY rule in Latin-Jamo. By default Latin-Jamo maps "xyy" to Xf YYi, to keep YY together. As a result, "xyy" forms that correspond to XYf Yi must be transliterated as "xy-y".

$sep < $latinMedialEnd b {} $Bi $jamoMedial;
$sep < $latinMedialEnd d {} $Di $jamoMedial;
$sep < $latinMedialEnd j {} $Ji $jamoMedial;
$sep < $latinMedialEnd g {} $Gi $jamoMedial;
$sep < $latinMedialEnd s {} $Si $jamoMedial;

# Deletion of IEUNG is handled below.

#----------------------------------------------------------------------
# Latin-Jamo
# [Basic, context-free Jamo-Latin rules are embedded here too. See above.]

# Split digraphs: Text of the form 'axye', where 'xy' is a final digraph, 'x' is a final (by itself), 'y' is an initial, and 'a' and 'e' are medials, we want to transliterate this as A Xf Yi E rather than A XYf IEUNG E. We do NOT include text of the form "axxe", since that is handled differently below. These rules are generated programmatically from the jamo data.

$jamoMedial {b s} $latinMedial > $Bf $Si;
$jamoMedial {g s} $latinMedial > $Gf $Si;
$jamoMedial {l b} $latinMedial > $L $Bi;

#----------------------------------------------------------------------
# Latin-Jamo
# [Basic, context-free Jamo-Latin rules are embedded here too.
# above.]

# Split digraphs: Text of the form 'axye', where 'xy' is a final digraph, 'x' is a final (by itself), 'y' is an initial, and 'a' and 'e' are medials, we want to transliterate this as A Xf Yi E rather than A XYf IEUNG E. We do NOT include text of the form "axxe", since that is handled differently below. These rules are generated programmatically from the jamo data.

$jamoMedial {b s} $latinMedial > $Bf $Si;
$jamoMedial {g s} $latinMedial > $Gf $Si;
$jamoMedial {l b} $latinMedial > $L $Bi;
\$\text{jamoMedial} \{l \, g\} \text{\textlatin{medial}} > \text{\textlatin{l}} \text{\textlatin{Gi}};
\$\text{jamoMedial} \{l \, h\} \text{\textlatin{medial}} > \text{\textlatin{l}} \text{\textlatin{Hi}};
\$\text{jamoMedial} \{l \, m\} \text{\textlatin{medial}} > \text{\textlatin{l}} \text{\textlatin{Mi}};
\$\text{jamoMedial} \{l \, p\} \text{\textlatin{medial}} > \text{\textlatin{l}} \text{\textlatin{Pi}};
\$\text{jamoMedial} \{l \, s\} \text{\textlatin{medial}} > \text{\textlatin{l}} \text{\textlatin{Si}};
\$\text{jamoMedial} \{l \, t\} \text{\textlatin{medial}} > \text{\textlatin{l}} \text{\textlatin{Ti}};
\$\text{jamoMedial} \{n \, g\} \text{\textlatin{medial}} > \text{\textlatin{n}} \text{\textlatin{Gi}};
\$\text{jamoMedial} \{n \, h\} \text{\textlatin{medial}} > \text{\textlatin{n}} \text{\textlatin{Hi}};
\$\text{jamoMedial} \{n \, j\} \text{\textlatin{medial}} > \text{\textlatin{n}} \text{\textlatin{Ji}};

# Single consonants are initials: Text of the form 'axe', where 'x'
# can be an initial or a final, and 'a' and 'e' are medials, we want
# to transliterate as A Xi E rather than A Xf IEUNG E.

\$\text{jamoMedial} \{b\} \text{\textlatin{medial}} > \text{\textlatin{Bi}};
\$\text{jamoMedial} \{c\} \text{\textlatin{medial}} > \text{\textlatin{Ci}};
\$\text{jamoMedial} \{d\} \text{\textlatin{medial}} > \text{\textlatin{Di}};
\$\text{jamoMedial} \{g\} \text{\textlatin{medial}} > \text{\textlatin{Gi}};
\$\text{jamoMedial} \{h\} \text{\textlatin{medial}} > \text{\textlatin{Hi}};
\$\text{jamoMedial} \{j\} \text{\textlatin{medial}} > \text{\textlatin{Ji}};
\$\text{jamoMedial} \{k\} \text{\textlatin{medial}} > \text{\textlatin{Ki}};
\$\text{jamoMedial} \{m\} \text{\textlatin{medial}} > \text{\textlatin{Mi}};
\$\text{jamoMedial} \{n\} \text{\textlatin{medial}} > \text{\textlatin{Ni}};
\$\text{jamoMedial} \{p\} \text{\textlatin{medial}} > \text{\textlatin{Pi}};
\$\text{jamoMedial} \{s\} \text{\textlatin{medial}} > \text{\textlatin{Si}};
\$\text{jamoMedial} \{t\} \text{\textlatin{medial}} > \text{\textlatin{Ti}};

# Doubled initials. The sequence "axxe", where XX exists as an initial
# (XXi), and also Xi and Xf exist (true of all digraphs XX), we want
# to transliterate as A XXi E, rather than A Xf IEUNG E.

\$\text{jamoMedial} \{b\ \, b\} \text{\textlatin{medial}} > \text{\textlatin{BB}};
\$\text{jamoMedial} \{d\ \, d\} \text{\textlatin{medial}} > \text{\textlatin{DD}};
\$\text{jamoMedial} \{j\ \, j\} \text{\textlatin{medial}} > \text{\textlatin{JJ}};
\$\text{jamoMedial} \{g\ \, g\} \text{\textlatin{medial}} > \text{\textlatin{GGi}};
\$\text{jamoMedial} \{s\ \, s\} \text{\textlatin{medial}} > \text{\textlatin{SSI}};

# XYY. Because doubled consonants bind more strongly than XY
# consonants, we must handle the sequence "axyy" specially. Here XYf
# and YYi must exist. In these cases, we map to Xf YYi rather than
# XYf.

\$\text{jamoMedial} \{b\ \, s\ \, s\} > \text{\textlatin{Bf}};
\$\text{jamoMedial} \{g\ \, s\ \, s\} > \text{\textlatin{Gf}};
\$\text{jamoMedial} \{l\ \, b\ \, b\} > \text{\textlatin{L}};
\$\text{jamoMedial} \{l\ \, g\ \, g\} > \text{\textlatin{L}};
\$\text{jamoMedial} \{l\ \, s\ \, s\} > \text{\textlatin{L}};
\$\text{jamoMedial} \{n\ \, g\ \, g\} > \text{\textlatin{NF}};
$\text{jamoMedial} \{n\} \text{ jj} > S\text{Nf};$

# Finals: Attach consonant with preceding medial to preceding medial.
# Do this BEFORE mapping consonants to initials. Longer keys must
# precede shorter keys that they start with, e.g., the rule for 'bs'
# must precede 'b'.

# [BASIC Jamo-Latin FINALS handled here. Order irrelevant within this
# block for Jamo-Latin.]

$\text{jamoMedial} \{bs\} <> \text{BS};$
$\text{jamoMedial} \{b\} <> \text{BF};$
$\text{jamoMedial} \{c\} <> \text{CF};$
$\text{jamoMedial} \{d\} <> \text{DF};$
$\text{jamoMedial} \{gg\} <> \text{GGF};$
$\text{jamoMedial} \{gs\} <> \text{GS};$
$\text{jamoMedial} \{g\} <> \text{GF};$
$\text{jamoMedial} \{h\} <> \text{HF};$
$\text{jamoMedial} \{j\} <> \text{JF};$
$\text{jamoMedial} \{k\} <> \text{KF};$
$\text{jamoMedial} \{lb\} <> \text{LB}; \text{jamoMedial} \{lg\} <> \text{LG};$
$\text{jamoMedial} \{lh\} <> \text{LH};$
$\text{jamoMedial} \{lm\} <> \text{LM};$
$\text{jamoMedial} \{lp\} <> \text{LP};$
$\text{jamoMedial} \{ls\} <> \text{LS};$
$\text{jamoMedial} \{lt\} <> \text{LT};$
$\text{jamoMedial} \{l\} <> \text{L};$
$\text{jamoMedial} \{m\} <> \text{MF};$
$\text{jamoMedial} \{ng\} <> \text{NG};$
$\text{jamoMedial} \{nh\} <> \text{NH};$
$\text{jamoMedial} \{nj\} <> \text{NJ};$
$\text{jamoMedial} \{n\} <> \text{NF};$
$\text{jamoMedial} \{p\} <> \text{PF};$
$\text{jamoMedial} \{ss\} <> \text{SSF};$
$\text{jamoMedial} \{s\} <> \text{SF};$
$\text{jamoMedial} \{t\} <> \text{TF};$

# Initials: Attach single consonant to following medial. Do this
# AFTER mapping finals. Longer keys must precede shorter keys that
# they start with, e.g., the rule for 'gg' must precede 'g'.

# [BASIC Jamo-Latin INITIALS handled here. Order irrelevant within
# this block for Jamo-Latin.]

\{gg\} $\text{latinMedial} <> \text{GGi};$
\{g\} $\text{latinMedial} <> \text{Gi};$
\{n\} $\text{latinMedial} <> \text{Ni};$
\{dd\} $\text{latinMedial} <> \text{DD};$
{d} $latinMedial <> $Di;
{r} $latinMedial <> $R;
{m} $latinMedial <> $Mi;
{bb} $latinMedial <> $BB;
{b} $latinMedial <> $Bi;
{ss} $latinMedial <> $SSi;
{s} $latinMedial <> $Si;
{jj} $latinMedial <> $JJ;
{jj} $latinMedial <> $Ji;
{c} $latinMedial <> $Ci;
{k} $latinMedial <> $Ki;
{t} $latinMedial <> $Ti;
{p} $latinMedial <> $Pi;
{h} $latinMedial <> $Hi;

# 'r' in final position. Because of the equivalency of the 'l' and
# 'r' jamo (the glyphs are the same), we try to provide the same
# equivalency in Latin-Jamo. The 'l' to 'r' conversion is handled
# below. If we see an 'r' in an apparent final position, treat it
# like 'l'. For example, "karka" => Ki A R EU Ki A without this rule.
# Instead, we want Ki A L Ki A.

$jamoMedial {r} $latinInitial > | l;

# Initial + Final: If we match the next rule, we have initial then
# final consonant with no intervening medial. We insert the null
# vowel BEFORE it to create a well-formed syllable. (In the next rule
# we insert a null vowel AFTER an anomalous initial.)

$jamoInitial {} [bcdghjklmnpst] > $EU;

# Initial + X: This block matches an initial consonant not followed by
# a medial. We insert the null vowel after it. We handle double
# initials explicitly here; for single initial consonants we insert EU
# (as Latin) after them and let standard rules do the rest.

# BREAKS ROUND TRIP INTEGRITY

gg > $GGi $EU;
dd > $DD $EU;
bb > $BB $EU;
ss > $SSI $EU;
jj > $JJ $EU;

([bcdghjkmnpst]) > | $1 eu;

# X + Final: Finally we have to deal with a consonant that can only be
# interpreted as a final (not an initial) and which is preceded
# neither by an initial nor a medial. It is the start of the
# syllable, but cannot be. Most of these will already be handled by
# the above rules. 'bs' splits into Bi EU Sf. Similar for 'gs' 'ng'
# 'nh' 'nj'. The only problem is 'I' and digraphs starting with 'I'.
# For this isolated case, we could add a null initial and medial,
# which would give "la" => IEUNG EU L IEUNG A, for example. A more
# economical solution is to transliterate isolated "l" (that is,
# initial "l") to "r". (Other similar conversions of consonants that
# occur neither as initials nor as finals are handled below.)

l > | r;

# Medials. If a medial is preceded by an initial, then we proceed
# normally. As usual, longer keys must precede shorter ones.

# [BASIC Jamo-Latin MEDIALS handled here. Order irrelevant within
# this block for Jamo-Latin.]

$jamoInitial {ae} <> $AE;
$jamoInitial {a} <> $A;
$jamoInitial {eo} <> $EO;
$jamoInitial {eu} <> $EU;
$jamoInitial {e} <> $E;
$jamoInitial {i} <> $I;
$jamoInitial {oe} <> $OE;
$jamoInitial {o} <> $O;
$jamoInitial {u} <> $U;
$jamoInitial {wae} <> $WAE;
$jamoInitial {wa} <> $WA;
$jamoInitial {weo} <> $WEO;
$jamoInitial {we} <> $WE;
$jamoInitial {wi} <> $WI;
$jamoInitial {yae} <> $YAE;
$jamoInitial {ya} <> $YA;
$jamoInitial {yeo} <> $YEO;
$jamoInitial {ye} <> $YE;
$jamoInitial {yi} <> $YI;
$jamoInitial {yo} <> $YO;
$jamoInitial {yu} <> $YU;

# We may see an anomalous isolated 'w' or 'y'. In that case, we
# interpret it as 'wi' and 'yu', respectively.

# BREAKS ROUND TRIP INTEGRITY

$jamoInitial {w} > | wi;
$jamoInitial {y} > | yu;
# Otherwise, insert a null consonant IEUNG before the medial (which is # still an untransliterated latin vowel).

($latinMedial) > $IEUNG | $1;

# Convert non-jamo latin consonants to equivalents. These occur as # neither initials nor finals in jamo. 't' occurs as a final, but not # an initial; it is handled above. The following letters (left hand # side) will never be output by Jamo-Latin.

f > | p;
q > | k;
v > | b;
x > | ks;
z > | s;

# Delete separators (Latin-Jamo).

$sep > ;

# Delete null consonants (Jamo-Latin). Do NOT delete null EU vowels, # since these may also occur in text.

< $IEUNG;

#- N.B. DO NOT put any filters, NFD, etc. here -- those are aliased in #- the INDEX file. This transliterator is, by itself, not #- instantiated. It is used as a part of Latin-Jamo, Latin-Hangul, or #- inverses thereof.

# eof

Found in path(s):
/*opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1- jar/com/ibm/icu/impl/data/Transliterator_Latin_Jamo.txt
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#---------------------------------------------------------------
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#---------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Arabic_Latin.txt,v $
# $Date: 2002/07/15 23:26:26 $
# $Revision: 1.3 $
#---------------------------------------------------------------

# Generally follows UNGEGN <http://www.eki.ee/wgrs/rom1_ar.pdf>
# a) where required for disambiguation.
# b) with underdot instead of cedilla for letter like SAD, since
# those are explicitly in Unicode for transliteration.
# c) with extra non-Arabic-language letters, like PEH

# Does *not* do assimilation of "al", nor hyphenation.
# While it could be done, we need to determine whether a prefix "al" could
# occur other than as the definite article (since no space is used).

:: [[[:Arabic:]] [\u060C\u061B\u061F\u0640\u064B-\u0655\u0660-\u066C\u06F0-\u06F9\uFDFC]];
:: NFC (NFC);
$disambig = ;
$disambig2 = ;
$under = ;

$notAbove = [[:^ccc=0:]&[^ccc=230:]];
# long vowels
< a ; # ARABIC FATHA, ARABIC LETTER ALEF
< u ; # ARABIC DAMMA, ARABIC LETTER WAW
< i ; # ARABIC KASRA, ARABIC LETTER YEH

# longer items moved here to prevent masking
< t h $disambig ; # ARABIC LETTER THEH
< d h $disambig ; # ARABIC LETTER THAL
< s h $disambig ; # ARABIC LETTER SHEEN
< s $under ; # ARABIC LETTER SAD
< d $under ; # ARABIC LETTER DAD
< t $under ; # ARABIC LETTER TAH
< z $under ; # ARABIC LETTER ZAH
< g h $disambig ; # ARABIC LETTER GHAIN

# WARNING: special case
# <t, umlaut, half-ring below> will be canonically ordered as <t, half-ring below, umlaut>
# so on the return, we have to skip over (but preserve) the half-ring below (or others like it)
# < t ; # LATIN SMALL LETTER T, COMBINING RIGHT HALF RING BELOW, COMBINING DIAERESIS
< t \u0308 ; # ARABIC LETTER TEH MARBUTA
| $1 < t ($notAbove+) \u0308 ; # ARABIC LETTER TEH MARBUTA

# non-Arabic language
< z h $disambig ; # ARABIC LETTER JEH
< n $disambig g ; # ARABIC LETTER NG
< v $disambig ; # ARABIC LETTER VE
< y $disambig2 ; # ARABIC LETTER FARSI YEH

# Arabic language
< ; # ARABIC LETTER HAMZA
< a $under ; # ARABIC LETTER ALEF
< b ; # ARABIC LETTER BEH
< t ; # ARABIC LETTER TEH
< j ; # ARABIC LETTER JEEM
< h $under ; # ARABIC LETTER HAH
< k h $disambig ; # ARABIC LETTER KHAH
< d ; # ARABIC LETTER DAL
< r ; # ARABIC LETTER REH
< z ; # ARABIC LETTER ZAIN
< s ; # ARABIC LETTER SEEN
< > ; # ARABIC LETTER AIN
> ; # ARABIC TATWEEL
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#----------------------------------------------------------------------

#$Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Thai_ThaiSemi.txt,v $  
#$Date: 2002/07/26 19:56:55 $  
#$Revision: 1.3 $  
#----------------------------------------------------------------------

# The rules that convert space into semicolon are in this file;  
# since they have to come BEFORE the break iterator.

$thai = [[: thai: ] \u0E01-\u0E3A\u0E40-\u0E5B] ;

$thai { ' ' } $thai > '; ' ;

Found in path(s):
  * /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
    jar/com/ibm/icu/impl/data/Transliterator_Thai_ThaiSemi.txt

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#----------------------------------------------------------------------

#$Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Gurmukhi.txt,v $  
#$Date: 2002/09/19 18:11:23 $  
#$Revision: 1.10 $  
#----------------------------------------------------------------------

# InterIndic-Gurmukhi
#::: NFD (NFC) ;
$vowel = [\u0A05-\u0A14 \u0A3e-\u0A4D];
$s consonant = [\u0A15-\u0A39];

\ue001> ; # FALLBACK BLOW AWAY SIGN CHANDRABINDU
#rules for BINDI

# Anusvara is equivalent to BINDI when preeced by a vowel
$\vowel[\ue002>\u0a02; # SIGN ANUSVARA (\u0a02 = SIGN BINDI)
# else is equivalent to TIPPI
\s consonant[\ue002>\u0a70; # SIGN TIPPI
\ue002>\u0a02;

\ue003> ; # FALLBACK BLOW AWAY SIGN VISARGA
\ue005>\u0a05; # LETTER A
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\uE044>\u0964;          # DANDA
\uE055>\u0965;          # DOUBLE DANDA
\ue066>\u0a66; # DIGIT ZERO
\ue067>\u0a67; # DIGIT ONE
\ue068>\u0a68; # DIGIT TWO
\ue069>\u0a69; # DIGIT THREE
\ue06a>\u0a6a; # DIGIT FOUR
\ue06b>\u0a6b; # DIGIT FIVE
\ue06c>\u0a6c; # DIGIT SIX
\ue06d>\u0a6d; # DIGIT SEVEN
\ue06e>\u0a6e; # DIGIT EIGHT
\ue06f>\u0a6f; # DIGIT NINE
\ue070>; # ABBREVIATION SIGN
\ue071>\u0a30; # LETTER RA WITH MIDDLE DIAGONAL
\ue072>\u0a30; # LETTER RA WITH LOWER DIAGONAL
\ue073>; # RUPEE MARK
\ue074>; # RUPEE SIGN
\ue075>; # CURRENCY NUMERATOR ONE
\ue076>; # CURRENCY NUMERATOR TWO
\ue077>; # CURRENCY NUMERATOR THREE
\ue078>; # CURRENCY NUMERATOR FOUR
\ue079>; # CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
\ue07A>; # CURRENCY DENOMINATOR SIXTEEN
\ue07B>; # ISSHAR
\ue07C>\u0a70; # TIPPI
\ue07D>\u0a71; # ADDAK
\ue07E>\u0a72; # IRI
\ue07F>\u0a73; # URA
\ue080>\u0a74; # EK ONKAR

0 > \u0a66;  # FALLBACK FOR TAMIL
1 > \u0a67;
#
# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Gurmukhi.txt
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#-----------------------------------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Thai_ThaiLogical.txt,v $
# $Date: 2002/07/26 19:56:55 $
# $Revision: 1.3 $
# This reverses the Thai LogicalOrderException vowels, and does (part of) spaces
# The rules that convert space into semicolon are in another file;
# since they have to come BEFORE the break iterator

$thai = [[:thai:] \u0E01-\u0E3A\u0E40-\u0E5B] ;

# First convert the semicolon back

'' < $thai { ';' } $thai;

# Remove any other spaces between thai letters

< $thai { ' ' } $thai;

# Now vowels
$thai_reversing = [[:Logical_Order_Exception:] & $thai];
$thai_non_reversing = [$thai - $thai_reversing ];

( $thai_reversing ) ( $thai_non_reversing ) > $2 $1;
# other direction
$2 $1 < ( $thai_non_reversing ) ( $thai_reversing ) ;

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com/ibm/icu/impl/data/Transliterator_Thai_ThaiLogical.txt
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# Copyright (c) 1999-2001, International Business Machines
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# Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Cyrillic_Latin.txt,v
# Date: 2001/12/01 00:14:55
# Revision: 1.9
# TODO: add remaining characters
# Should add variants for Russian-English, Russian-German
# Those can use this as a base, and then remap cases
# like a $hat to ya or ja.

# :: [\u0000-\u007E \u02B9 \u02BA [:Cyrillic:] [:Latin: [:nonspacing mark:] ] ;
### WARNING, \u0308 must be added to the generated filters, in both directions ###
# MINIMAL FILTER
:: [\u0308\u0102-\u0103\u0114-\u0115\u011F\u012C-\u012D\u014E-\u014F\u016C-\u016D\u0306-\u045F\u0490-\u0495\u0498-\u0499\u04C1-\u04C2\u04D0-\u04DF\u04E2-\u04E7\u04EC-\u04F5\u04F8-\u04F9\u1E1C-\u1E1D\u1EAE-\u1EB7\u1FB0-\u1FB8\u1FD0-\u1FD8\u1FE0-\u1FE8] ;
:: NFD (NFC);

$modprime = \u02B9;
$modprime2 = \u02BA;
$grave = \u0300;
$acute = \u0301;
$hat = \u0302;
$breve = \u0306;
$dot = \u0307;
$scaron = \u0326;
$under = \u0331;

# move up so not masked

<> a $hat; # CYRILLIC SMALL LETTER YA
<> A $hat; # CYRILLIC CAPITAL LETTER YA

<> c $scaron; # CYRILLIC SMALL LETTER CHE
<> C $scaron; # CYRILLIC CAPITAL LETTER CHE
#
# <> XXX; # CYRILLIC SMALL LETTER CHE WITH DESCENDER
# <> XXX; # CYRILLIC CAPITAL LETTER CHE WITH DESCENDER
# <> XXX; # CYRILLIC SMALL LETTER KHAKASSIAN CHE
# <> XXX; # CYRILLIC CAPITAL LETTER KHAKASSIAN CHE
# <> XXX; # CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE
# <> XXX; # CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE

<> e $acute; # CYRILLIC SMALL LETTER E
<> E $acute; # CYRILLIC CAPITAL LETTER E
<> e $hat; # CYRILLIC SMALL LETTER UKRAINIAN IE
<> E $hat; # CYRILLIC CAPITAL LETTER UKRAINIAN IE

<> s $scaron; # CYRILLIC SMALL LETTER SHA
<> S $scaron; # CYRILLIC CAPITAL LETTER SHA
<> s $hat; # CYRILLIC SMALL LETTER SHCHA
<> S $hat; # CYRILLIC CAPITAL LETTER SHCHA

<> z $hat; # CYRILLIC SMALL LETTER DZE
<> Z $hat; # CYRILLIC CAPITAL LETTER DZE
#
# <> XXX; # CYRILLIC SMALL LETTER ABKHASIAN DZE
# <> XXX; # CYRILLIC CAPITAL LETTER ABKHASIAN DZE

<> u $hat; # CYRILLIC SMALL LETTER YU
<> U $hat; # CYRILLIC CAPITAL LETTER YU

<> i $acute; # CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I
<> I $acute; # CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I
### Completeness

$\text{Signore} = [[:Mark:]] *$ ;

| $k < q$ ;
| $K < Q$ ;
| $u < w$ ;
| $U < W$ ;
| $KS < X$ | $\text{Signore} [:\text{UpperCaseLetter:}]$ ;
| $KS < [:\text{UpperCaseLetter:}]$ $\text{Signore} [X]$ ;
| $Ks < X$ ;
| $ks < x$ ;
:: NFC (NFD) ;
# note: a global filter is more efficient, but MUST include all source chars!!
# :: ([\u0000-\u007F] \u02B9 \u02BA [:Cyrillic:] [:Latin:] [:nonspacing mark:]):
# MINIMAL FILTER: Latin-Cyrillic
:: ([\u0308A-\u2a-\u000C-\u00FF\u0125\u0128-\u013A\u013C-\u0148\u014C-\u0154-\u0168-\u017E\u018F\u01A0-\u01A1\u01AF-\u01B0-\u01CD-\u01DE-\u01E6\u01F0-\u01F4-\u01F5\u01F8-\u0216-\u021F\u0226-\u0233\u0259\u02B9-\u02BA\u0300-\u0302\u0306-\u0307\u030C\u0326-\u0331\u0340-\u0344\u0374\u0385-\u0388-\u038A\u038C\u038E-\u0390\u03AC-\u03B0\u03CC-\u03CE\u03D3-\u0400-\u0403\u040C\u040E\u0419\u0438\u045C\u045E\u04C1-\u04C2-\u04D0-\u04D1-\u04D7\u04E0-\u04E9\u04F0-\u04F9\u01F05-\u01F0A-\u01F0D-\u01F12-\u01F15-\u01F1A-\u01F1D-\u01F22-\u01F25-\u01F2A-\u01F2D-\u01F35-\u01F3A-\u01F3D-\u01F42-\u01F45-\u01F4A-\u01F4D-\u01F52-\u01F55-\u01F58-\u01F62-\u01F65-\u01F70-\u01F7D-\u01F85-\u01F88-\u01F8A-\u01F92-\u01F95-\u01F99-\u01F9C-\u01FAC-\u01FAD-\u01FB0-\u01FB2-\u01FB4-\u01FB8-\u01FBA-\u01FBB-\u01FCC-\u01FCE-\u01FCD-\u01FDD-\u01FDE-\u01FE0-\u01FE2-\u01FE3-\u01FE8-\u01FEA-\u01FEB-\u01FEC-\u01FEE-\u01FF4-\u01FF8-\u01FFB-\u0212A-\u0212B] );

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icol4j-2-6-1.jar/com/ibm/icu/impl/data/Transliterator_Cyrillic_Latin.txt

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#........................................................................#
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Kannada.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.10 $
#........................................................................#

# InterIndic-Kannada
#
\ue032\ue03c\ue0cde; # LETTER FA
\ue001\ue0c82; # REMAP (indicExceptions.txt); \ue0c81\ue0c82 = SIGN CANDRABINDU>SIGN ANUSVARA
\ue022; # SIGN ANUSVARA
\ue033\ue0c83; # SIGN VISARGA
\ue005\ue0c85; # LETTER A
\ue006\ue0c86; # LETTER AA
\ue007\ue0c87; # LETTER I
\ue008\ue0c88; # LETTER II
\ue009\ue0c89; # LETTER U
\ue00a\ue0c8a; # LETTER UU
\ue00b\ue0c8b; # LETTER VOCALIC R
\ue00c\ue0c8c; # LETTER VOCALIC L
\ue00d\ue0c8e; # LETTER E
\ue00e\ue0c8e; # FALLBACK

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\ue000>\u0c8f; # LETTER EE
\ue010>\u0c90; # LETTER AI
\ue011>\u0c92; # FALLBACK
\ue012>\u0c92; # LETTER O
\ue013>\u0c93; # LETTER OO
\ue014>\u0c94; # LETTER AU
\ue015>\u0c95; # LETTER KA
\ue016>\u0c96; # LETTER KHA
\ue017>\u0c97; # LETTER GA
\ue018>\u0c98; # LETTER GHA
\ue019>\u0c99; # LETTER NGA
\ue01a>\u0ca8; # LETTER CA
\ue01b>\u0ca9; # LETTER CHA
\ue01c>\u0ca9; # LETTER JA
\ue01d>\u0ca9; # LETTER JHA
\ue01e>\u0ca9; # LETTER NYA
\ue01f>\u0cb0; # LETTER TTA
\ue020>\u0cb1; # LETTER TTHA
\ue021>\u0cb2; # LETTER DDA
\ue022>\u0cb3; # LETTER DDHA
\ue023>\u0cb4; # LETTER NNA
\ue024>\u0cb5; # LETTER TA
\ue025>\u0cb6; # LETTER THA
\ue026>\u0cb7; # LETTER DA
\ue027>\u0cb8; # LETTER DHA
\ue028>\u0cb9; # LETTER NA
\ue029>\u0cb9; # REMAP (indicExceptions.txt): \u0cb4>\u0cb3 = LETTER LLLA>LETTER LLA
\ue02a>\u0cb4; # LETTER PA
\ue02b>\u0cb5; # LETTER PHA
\ue02c>\u0cb6; # LETTER BA
\ue02d>\u0cb7; # LETTER BHA
\ue02e>\u0cb8; # LETTER MA
\ue02f>\u0cb9; # LETTER YA
\ue030>\u0cb9; # LETTER NA
\ue031>\u0cb9; # LETTER RA
\ue032>\u0cb9; # LETTER RRA
\ue033>\u0cb9; # LETTER LA
\ue034>\u0cb9; # LETTER LL
\ue035>\u0cb9; # LETTER VA
\ue036>\u0cb9; # LETTER SHA
\ue037>\u0cb9; # LETTER SSA
\ue038>\u0cb9; # LETTER SA
\ue039>\u0cb9; # LETTER HA

\ue03c>; # FALLBACK BLOW AWAY NUKTA
\ue03d>; # FALLBACK BLOW AWAY AVAGRAHA
0 > \u0ce6; # FALLBACK FOR TAMIL
1 > \u0ce7;

# :: NFC (NFD);
# EOF

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* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Kannada.txt
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#-----------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Hebrew_Latin.txt,v $
# $Date: 2002/07/26 19:56:55 $
# $Revision: 1.4 $
#-----------------------------------------------

# Transliteration table for Hebrew
# Based on the UNGEGN table at:
# http://www.eki.ee/wgrs/rom1_he.pdf
#
# Exceptions:
# - Accents are added to disambiguate letters
# - Combinations of dagesh, shin/sin dot that produce different
# letters are not yet encoded.
# To test, open:
#   http://oss.software.ibm.com/cgi-bin/icu/tr
# Click Edit, paste in this file, Save As hebrew-latin/XXX
# (where XXX is a username)
# Now go back to the main window, and try it out.
# Use hebrew-latin/XXX for Output 1, and (Inverse) for Output 2
# Paste in hebrew text in Input, and hit Transliterate.
#
# For more information, see"

:: [:Hebrew:] [\u05B0-\u05B9\u05BB-\u05BC\u05C1-\u05C2\u2135-\u2138\u05BF] ;:: nfkd (nfc) ;
$letterAfter = [:M:]* [:L:] ;

# move longer items here to avoid masking

<> h ;
<> z } $letterAfter;
<> z ;
<> s ;
<> t ;

<> ;
<> b ;
<> g ;
<> d ;
<> h ;
<> w ;
<> z ;
<> t ;
<> y ;
<> k } $letterAfter;
<> k ;
<> l ;
<> m } $letterAfter;
<> m ;
<> n } $letterAfter;
<> n ;
<> s ;
<> ;
<> p } $letterAfter;
<> p ;
<> q ;
<> r ;

> | ; # HEBREW LIGATURE YIDDISH DOUBLE VAV
> | # HEBREW LIGATURE YIDDISH VAV YOD
> | # HEBREW LIGATURE YIDDISH DOUBLE YOD

<>  ; # dagesh just goes to overdot for now
<>  ; # shin dot -> sh
<>  ; # sin dot -> s

# points
<> a;
<> a;
<> e;
<> e;
<> e;
<> e;
<> i;
<> o;
<> u;
<> a;
<> e;
<> o;

\u05BF <>  ;

# fallbacks
< c;
< f } $letterAfter;
< f;
< j;
< v;
< x;

:: (lower);
:: nfc (nfd);
:: ([[:Latin:] [\u02BB-\u02BC\u0300-\u0302\u0307\u030C\u0327\u0331\u0340-\u0341 ]]);

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-jar/com/ibm/icu/impl/data/Transliterator_Hebrew_Latin.txt

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#---------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Bengali_InterIndic.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.11 $
# Bengali-InterIndic

\u09C7\u09BE>\xE04B; # VOWEL SIGN O
\u09C7\u09D7>\xE04C; # VOWEL SIGN AU
\u0981>\xE001; # SIGN CANDRABINDU
\u0982>\xE002; # SIGN ANUSVARA
\u0983>\xE003; # SIGN VISARGA
\u0985>\xE005; # LETTER A
\u0986>\xE006; # LETTER AA
\u0987>\xE007; # LETTER I
\u0988>\xE008; # LETTER II
\u0989>\xE009; # LETTER U
\u098A>\xE00A; # LETTER UU
\u098B>\xE00B; # LETTER VOCALIC R
\u098C>\xE00C; # LETTER VOCALIC L
\u098D>\xE00D; # LETTER E
\u098E>\xE00E; # LETTER AI
\u098F>\xE00F; # LETTER O
\u0990>\xE010; # LETTER AU
\u0991>\xE011; # LETTER KA
\u0992>\xE012; # LETTER KHA
\u0993>\xE013; # LETTER GA
\u0994>\xE014; # LETTER GHA
\u0995>\xE015; # LETTER NGA
\u0996>\xE016; # LETTER CA
\u0997>\xE017; # LETTER CHA
\u0998>\xE018; # LETTER JA
\u0999>\xE019; # LETTER NGA
\u099A>\xE01A; # LETTER CA
\u099B>\xE01B; # LETTER CHA
\u099C>\xE01C; # LETTER JA
\u099D>\xE01D; # LETTER JHA
\u099E>\xE01E; # LETTER NYA
\u099F>\xE01F; # LETTER TTA
\u09A0>\xE020; # LETTER TTHA
\u09A1>\xE021; # LETTER DDA
\u09A2>\xE022; # LETTER DDHA
\u09A3>\xE023; # LETTER NNA
\u09A4>\xE024; # LETTER TA
\u09A5>\xE025; # LETTER THA
\u09A6>\xE026; # LETTER DA
\u09A7>\xE027; # LETTER DHA
\u09A8>\xE028; # LETTER NA
\u09A9>\xE029; # LETTER PA
\u09AA>\xE02A; # LETTER PHA
\u09AB>\xE02B; # LETTER PHA
\u09AC>\xE02C; # LETTER BA
\u09AD>\xE02D; # LETTER BHA
\u09AE>\xE02E; # LETTER MA
\u09AF>\xE02F; # LETTER YA
\u09B0>\xE030; # LETTER RA

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\ue065\ue065;  # DOUBLE DANDA
#  :: NFC (NFD);
# eof

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* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com/ibm/icu/impl/data/Transliterator_Bengali_InterIndic.txt
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#----------------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Latin_InterIndic.txt,v $
# $Date: 2002/03/02 00:27:26 $
# $Revision: 1.7 $
#----------------------------------------------------------------------

# Latin-InterIndic
#:: NFD;
#\u0e00 reserved
#consonants
$chandrabindu=\ue001;
$anusvara=\ue002;
$visarga=\ue003;
#\u0e004 reserved
# w<vowel> represents the stand-alone form
$wa=\ue005;
$waa=\ue006;
$wi=\ue007;
$wii=\ue008;
$wu=\ue009;
$wuu=\ue010a;
$wr=\ue010b;
$wl=\ue010c;
$wce=\ue00d; # LETTER CANDRA E
$wse=\ue00e; # LETTER SHORT E
$we=\ue00f; # \u090f LETTER E
$wai=\ue100;
$wco=\ue101; # LETTER CANDRA O
$wso=\ue102; # LETTER SHORT O
$wo=\ue103; # \u0913 LETTER O
$wau=\ue104;
$kas=\ue105;
$kha=\ue106;
$ga=\ue107;
$gha=\ue108;
$nga=\ue109;
$ecp7=\ue077$
$ecp8=\ue078$
$ecp9=\ue079$
$ecpA=\ue07a$
$ecpB=\ue07b$
$ecpC=\ue07c$
$ecpD=\ue07d$
$ecpE=\ue07e$
$ecpF=\ue07f$

# \u0970>; # UNMAPPED ABBREVIATION SIGN
$depVowelAbove=[\ue03e-\ue040\ue045-\ue04c\ue04f];
$depVowelBelow=[\ue041-\ue044];
$endThing=[danda\doubleDanda];

# $x$ was originally called '&'; $z$ was '%'
$x=[\virama\aa\ai\au\ii\ii\i\uu\u\rrh\rh\lh\e\o\se\ce\so\co];
$z=[\bcdfghjklmnpqrstvwxyz];
$consonants=[L[Ska-Sha]$z[\u0915-\u0939][\u0995-\u09b9][\u0a15-\u0a39][\u0a95-\u0aab9][\u0b15-\u0b39][\u0b95-\u0bb9][\u0c15-\u0c39][\u0c95-\u0cc9][\u0d15-\u0d39]]; 
\u0315 > $avagraha;
\u0303>$chandrabindu$anusvara;
m\u0310>$chandrabindu;
h\u0323>$visarga;
x>$s$virama$s$a;

# convert to independent forms at start of word or syllable:
# dependent forms for roundtrip
\u0314a$u0304>$aa;
\u0314ai>$ai;
\u0314au>$au;
\u0314ii>$ii;
\u0314$u0304>$ii;
\u0314i>$i;
\u0314$u0304>$i;
\u0314a$u0304>$u;
\u0314$u0304>$u;
\u0314$u0325$u0304>$rrh;
\u0314$u0325>$rh;
\u0314$u0325$u0304>$llh;
\u0314lh>$llh;
\u0314lu0325>$llh;
\u0314lu0304>$se;
\u0314o$u0304>$o;
\u0314a$;
\u0314lu0306>$ce;
\u0314o$u0306>$co;
\u0314e>$se;
\u0314o>$s$;

# preceeded by consonants
$consonants{ a$u0304>$aa;
$consonants{ ai>$ai;
$consonants{ au>$au;
$consonants{ ii>$ii;
$consonants{ i>$i;
$consonants{ uu>$uu;
$consonants{ a>$a;
$consonants{ i>$i;
$consonants{ u>$u;
$consonants{ r>$r;
$consonants{ l>$l;
$consonants{ e>$e;
$consonants{ o>$o;
#
 e.g. keai -> {ka}{e}{wai}; k'ai -> {ka}{wai}; (ai) -> ({wai})
a>$waa;
a>$wai;
a>$wau;
 i>$wii;
 u>$wu;
r>$wrr;
r>$wr;
l>$wl;
l>$wl;
e>$we;
o>$wo;
a>$wa;
e>$wce;
o>$wco;
 e>$wse;
"om">$om;
o>$wso;

# rules for anusvara
 n}]r]u0325 > $naj$virama;
n}]l]u0325 > $naj$virama;
n]a > $naj$virama;
n}u0307]{kg} > $anusvara;
n}u0307]n}u0307 > $anusvara;
n\u0304}cj > \$anusvara;
n\u0304)n\u0303 > \$anusvara;
n\u0323}{tn}\u0323 > \$anusvara;
n\]}{y} > \$anusvara;
m\]}{pbm} > \$anusvara;
n\]}{ylvshr} > \$anusvara;
m\u0307 > \$anusvara;
#urdu compatibility
q>$uka|$virama;
k\u0305$ukha |$virama;
g\u0307$ugha |$virama;
z > Sujha |$virama;
f > $ufa|$virama;
# dev
y\u0307$nuy>$uya|$virama;
l\u0303$sela|$virama;
n\u0303$nena|$virama;
n\u0307$nga|$virama;
n\u0303$nna|$virama;
tu\u0303$ttha|$virama;
t\u0303$tha|$virama;
r\u0303$suddha|$virama;
r\u0303$suddha|$virama;
d\u0303$ddha|$virama;
d\u0303$ddha|$virama;
kh>$kha|$virama;
k>$ka|$virama;
gh>$gha|$virama;
g>$ga|$virama;
ch>$cha|$virama;
c>$ca|$virama;
jh>$jha|$virama;
j>$ja|$virama;
n\u0307$nnya|$virama;
tth>$ttha|$virama;
ddh>$ddha|$virama;
th>$tha|$virama;
dh>$dha|$virama;
d>$da|$virama;
n>$na|$virama;
ph>$pha|$virama;
p>$pa|$virama;
bb>$bhal|$virama;
b>$ba|$virama;
m>$ma|$virama;
y>$ya|$virama;
ru0331>$ra|$virama;
r>$ra|$virama;
lu0323>$lla|$virama;
l>$la|$virama;
v>$va|$virama;
w>$va|$virama;
sh>$sha|$virama;
ss>$ssa|$virama;
su0323>$ssa|$virama;
su0301>$sha|$virama;
s>$sa|$virama;
h>$ha|$virama;
.'>$danda;
$danda'.'>$doubleDanda;
$depVowelAbove{'~'}>$anusvara;
$depVowelBelow{'~'}>$chandrabindu;

# convert to dependent forms after consonant with no vowel:
# e.g. kai -> {ka}{virama}ai -> {ka}{ai}
$virama aa>$aa;
$virama au0304>$aa;
$virama ai>$ai;
$virama au>$au;
$virama ii>$ii;
$virama uu>$ii;
$virama u>$u;
$virama uu>$uu;
$virama uu0304>$uu;
$virama u>$u;
$virama rrh>$rrh;
$virama ru0325u0304>$rrh;
$virama rh>$rh;
$virama ru0325a>$rh;
$virama ru0325>$rh;
$virama lu0325u0304>$llh;
$virama lh>$llh;
$virama lu0325>$llh;
$virama e'lu0304>$se;
$virama o'lu0304>$so;
$virama a'>$;
$virama e'lu0306>$se;
$virama o'lu0306>$so;
$virama e>$se;
$virama o>$so;

# otherwise convert independent forms when separated by ':' k'ai -> {ka}{virama}{wai}
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1>$one;
2>$two;
3>$three;
4>$four;
5>$five;
6>$six;
7>$seven;
8>$eight;
9>$nine;
">;
#: NFC (NFD) ;

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* /opt/ cola/permits/1001069448_1607103999.49//0/icu4j-2-6-1-
jar/com/ibm/icu/impl/data/Transliterator_Latin_InterIndic.txt
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#----------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Any_Accents.txt,v $
# $Date: 2001/09/25 22:58:55 $
# $Revision: 1.3 $
#----------------------------------------
:: NFD (NFC) ;

# to do: make reversible

# define special conversion characters.
# variants of this could use different characters, or set one or the other to null.

$pre = \<
$post = \>;

# Provide keyboard equivalents for common diacritics used in transliteration

$pre \ $post <> \u0300 ; # COMBINING GRAVE ACCENT
$pre \ $post <> \u0301 ; # COMBINING ACUTE ACCENT
$pre \ $post <> \u0302 ; # COMBINING CIRCUMFLEX ACCENT
$pre ~ $post <> \u0303 ; # COMBINING TILDE
$pre \ $post <> \u0304 ; # COMBINING MACRON
$pre " $post <> \u0308 ; # COMBINING DIAERESIS
$pre \ $post <> \u030a ; # COMBINING RING ABOVE
$pre \ $post <> \u0327 ; # COMBINING CEDILLA
$pre ' $post <> \u0338 ; # COMBINING LONG SOLIDUS OVERLAY
$pre \ $post <> \u0323 ; # COMBINING DOT BELOW
# Combine common characters

$\text{pre AE} \text{post} \leftrightarrow \text{\textbackslash u00C6} ; \# \text{LATIN CAPITAL LETTER AE}
$\text{pre ae} \text{post} \leftrightarrow \text{\textbackslash u00E6} ; \# \text{LATIN SMALL LETTER AE}
$\text{pre D} \text{post} \leftrightarrow \text{\textbackslash u00D0} ; \# \text{LATIN CAPITAL LETTER ETH}
$\text{pre d} \text{post} \leftrightarrow \text{\textbackslash u00F0} ; \# \text{LATIN SMALL LETTER ETH}
$\text{pre O'} \text{post} \leftrightarrow \text{\textbackslash u00D8} ; \# \text{LATIN CAPITAL LETTER O WITH STROKE}
$\text{pre o'} \text{post} \leftrightarrow \text{\textbackslash u00F8} ; \# \text{LATIN SMALL LETTER O WITH STROKE}
$\text{pre TH} \text{post} \leftrightarrow \text{\textbackslash u00DE} ; \# \text{LATIN CAPITAL LETTER THORN}
$\text{pre th} \text{post} \leftrightarrow \text{\textbackslash u00FE} ; \# \text{LATIN SMALL LETTER THORN}
$\text{pre OE} \text{post} \leftrightarrow \text{\textbackslash u0152} ; \# \text{LATIN CAPITAL LIGATURE OE}
$\text{pre oe} \text{post} \leftrightarrow \text{\textbackslash u0153} ; \# \text{LATIN SMALL LIGATURE OE}

$\text{pre ss} \text{post} \leftrightarrow \text{\textbackslash u00DF} ; \# \text{LATIN SMALL LETTER SHARP S}

$\text{pre NG} \text{post} \leftrightarrow \text{\textbackslash u014A} ; \# \text{LATIN CAPITAL LETTER ENG}
$\text{pre ng} \text{post} \leftrightarrow \text{\textbackslash u014B} ; \# \text{LATIN SMALL LETTER ENG}

$\text{pre T} \text{post} \leftrightarrow \text{\textbackslash u0398} ; \# \text{THETA}
$\text{pre t} \text{post} \leftrightarrow \text{\textbackslash u03B8} ; \# \text{THETA}
$\text{pre SH} \text{post} \leftrightarrow \text{\textbackslash u01A9} ; \# \text{LATIN CAPITAL LETTER ESH}
$\text{pre sh} \text{post} \leftrightarrow \text{\textbackslash u0283} ; \# \text{LATIN SMALL LETTER ESH}
$\text{pre ZH} \text{post} \leftrightarrow \text{\textbackslash u01B7} ; \# \text{LATIN CAPITAL LETTER EZH}
$\text{pre zh} \text{post} \leftrightarrow \text{\textbackslash u0292} ; \# \text{LATIN SMALL LETTER EZH}

$\text{pre U} \text{post} \leftrightarrow \text{\textbackslash u01B1} ; \# \text{LATIN CAPITAL LETTER UPSILON}
$\text{pre u} \text{post} \leftrightarrow \text{\textbackslash u028A} ; \# \text{LATIN SMALL LETTER UPSILON}
$\text{pre A} \text{post} \leftrightarrow \text{\textbackslash u018F} ; \# \text{LATIN CAPITAL LETTER SCHWA}
$\text{pre a} \text{post} \leftrightarrow \text{\textbackslash u0259} ; \# \text{LATIN SMALL LETTER SCHWA}
$\text{pre O} \text{post} \leftrightarrow \text{\textbackslash u0186} ; \# \text{LATIN CAPITAL LETTER OPEN O}
$\text{pre o} \text{post} \leftrightarrow \text{\textbackslash u0254} ; \# \text{LATIN SMALL LETTER OPEN O}
$\text{pre E} \text{post} \leftrightarrow \text{\textbackslash u0190} ; \# \text{LATIN CAPITAL LETTER OPEN E}
$\text{pre e} \text{post} \leftrightarrow \text{\textbackslash u025B} ; \# \text{LATIN SMALL LETTER OPEN E}

# three that don't have uppercases

$\text{pre ?} \text{post} \leftrightarrow \text{\textbackslash u0294} ; \# \text{LATIN LETTER GLOTTAL STOP}
$\text{pre i} \text{post} \leftrightarrow \text{\textbackslash u026A} ; \# \text{LATIN LETTER SMALL CAPITAL I}
$\text{pre v} \text{post} \leftrightarrow \text{\textbackslash u028C} ; \# \text{LATIN SMALL LETTER TURNED V}

# Additional Characters that may be added in the future

# \$pre XXX \text{post} \leftrightarrow \text{\textbackslash u0306} ; \# \text{COMBINING BREVE}
# \$pre XXX \text{post} \leftrightarrow \text{\textbackslash u0307} ; \# \text{COMBINING DOT ABOVE}
# \$pre XXX \text{post} \leftrightarrow \text{\textbackslash u0309} ; \# \text{COMBINING HOOK ABOVE}
# \$pre XXX \text{post} \leftrightarrow \text{\textbackslash u030B} ; \# \text{COMBINING DOUBLE ACUTE ACCENT}
# \$pre XXX \text{post} \leftrightarrow \text{\textbackslash u030C} ; \# \text{COMBINING CARON}
# $pre YYY $post <> \u207F ; # SUPERSCRIPT LATIN SMALL LETTER N

:: NFC (NFD) ;

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
  jar/com/ibm/icu/impl/data/Transliterator_Any_Accents.txt
No license file was found, but licenses were detected in source scan.

#----------------------------------------------------------------------
# Copyright (c) 1999-2001, International Business Machines
# Corporation and others. All Rights Reserved.
#----------------------------------------------------------------------
#$Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_index.txt,v $
#$Date: 2002/09/19 18:11:23 $
#$Revision: 1.40 $
#----------------------------------------------------------------------
#
# TRANSLITERATOR INDEX FILE. This file lists the non-algorithmic
# system transliterators. It allows arbitrary mappings between
# transliterator IDs and file names, and also allows the system to
# define aliases for transliterators, so that "Latin-Hangul", for
# example, can be implemented transparently as the compound
# "Latin-Jamo;Jamo-Hangul". Internal IDs may also be defined; these
# are invisible to the user, but can be composed together by the
# system to create visible transliterators.
#
# Blank lines and lines beginning with '#' are ignored.
# Lines in this file have one of the following forms (text not
# enclosed by <> is literal):
#
#   <id>:file:<resource>:<encoding>:<direction>
#   <id>:internal:<resource>:<encoding>:<direction>
#   <id>:alias:<getInstanceArg>
#
# <id> is the ID of the system transliterator being defined. These
# are public IDs enumerated by Transliterator.getAvailableIDs(),
# unless the second field is "internal".
#
# <resource> is a ResourceReader resource name. Currently these refer
# to file names under com/ibm/text/resources. This string is passed
# directly to ResourceReader, together with <encoding>.
#
# <encoding> is the character encoding to use when reading <resource>;
# passed directly to ResourceReader. E.g., "UTF8".
#
# <direction> is either "FORWARD" or "REVERSE".
#
# <getInstanceArg> is a string to be passed directly to
# Transliterator.getInstance(). The returned Transliterator object
# then has its ID changed to <id> and is returned.

# Bidirectional rule files

Fullwidth-Halfwidth:file:Transliterator_Fullwidth_Halfwidth.txt:UTF8:FORWARD
Halfwidth-Fullwidth:file:Transliterator_Fullwidth_Halfwidth.txt:UTF8:REVERSE

Latin-Cyrillic:file:Transliterator_Cyrillic_Latin.txt:UTF8:REVERSE


Latin-Arabic:file:Transliterator_Arabic_Latin.txt:UTF8:REVERSE
Arabic-Latin:file:Transliterator_Arabic_Latin.txt:UTF8:FORWARD

Han-Latin:file:Transliterator_Han_Latin.txt:UTF8:FORWARD
#Latin-Han:file:Transliterator_Han_Latin.txt:UTF8:REVERSE # no round trip!
Latin-Han:alias:null

# Comment these out; they are only for testing
# Latin-Han/definition:file:Transliterator_Han_Latin_Definition.txt:UTF8:REVERSE
# Han-Latin/definition:file:Transliterator_Han_Latin_Definition.txt:UTF8:FORWARD
# Latin-Han/EDICT: file: Transliterator_Han_Latin_EDICT.txt: UTF8: REVERSE
# Han-Latin/EDICT: file: Transliterator_Han_Latin_EDICT.txt: UTF8: FORWARD

Latin-Greek: file: Transliterator_Greek_Latin.txt: UTF8: REVERSE
Greek-Latin: file: Transliterator_Greek_Latin.txt: UTF8: FORWARD

Latin-Greek/UNGEGN: file: Transliterator_Greek_Latin_UNGEGN.txt: UTF8: REVERSE
Greek-Latin/UNGEGN: file: Transliterator_Greek_Latin_UNGEGN.txt: UTF8: FORWARD

Latin-Katakana: file: Transliterator_Latin_Katakana.txt: UTF8: FORWARD

Latin-Hiragana: file: Transliterator_Latin_Hiragana.txt: UTF8: REVERSE

# Thai Stuff: will change if we get \b into Transliterator

Thai-ThaiSemi: internal: Transliterator_Thai_ThaiSemi.txt: UTF8: FORWARD

Thai-ThaiLogical: internal: Transliterator_Thai_ThaiLogical.txt: UTF8: FORWARD
ThaiLogical-Thai: internal: Transliterator_Thai_ThaiLogical.txt: UTF8: REVERSE

Hiragana-Katakana: file: Transliterator_Hiragana_Katakana.txt: UTF8: FORWARD
Katakana-Hiragana: file: Transliterator_Hiragana_Katakana.txt: UTF8: REVERSE

Any-Accents: file: Transliterator_Any_Accents.txt: UTF8: FORWARD
Accents-Any: file: Transliterator_Any_Accents.txt: UTF8: REVERSE

Any-Publishing: file: Transliterator_Any_Publishing.txt: UTF8: FORWARD
Publishing-Any: file: Transliterator_Any_Publishing.txt: UTF8: REVERSE

# Korean
# N.B. Don't end Latin-Jamo with NFC; that produces Hangul. For
# Hangul output use Latin-Hangul.
LowerLatin-Jamo:internal:Transliterator_Latin_Jamo.txt:UTF8:FORWARD
Jamo-LowerLatin:internal:Transliterator_Latin_Jamo.txt:UTF8:REVERSE
Latin-Jamo:alias:['A-Za-z\u00C0-\u00C5\u00C7-\u00CF\u00D1-\u00D6\u00D9-\u00DD\u00E0-\u00E5\u00E7-\u00EF\u00F1-\u00F6\u00F9-\u00FF-\u010F\u0112-\u0125\u0128-\u0130\u0134-\u0137\u0139-\u013E\u0143-\u0148\u014C-\u0151\u0154-\u0165\u0168-\u017E\u0180-\u01A1\u01B0-\u01B8-\u01B0\u01C1-\u01C7\u01D0\u01D4-\u01D9\u01E6-\u01F0\u01F4-\u01F5\u01F8-\u01FB\u0200-\u021B\u021E-\u021F\u0226-\u0233\u0E99\u0E9A-\u0E9B-\u0E9D-\u0E9F\u012A-\u012B];NFD;Lower;LowerLatin-Jamo
Jamo-Latin:alias:['\u1100-\u1112\u1121-\u114C\uAC00-\u021B\u0226-\u0233\u0E99\u0E9A-\u0E9B-\u0E9D-\u0E9F\u012A-\u012B];NFD;Lower;Latin-Jamo;NFC
Latin-Hangul:alias:['\u1100-\u1112\u1121-\u114C\uAC00-\u021B\u0226-\u0233\u0E99\u0E9A-\u0E9B-\u0E9D-\u0E9F\u012A-\u012B];NFD;Latin-Hangul;NFC

# Inter-Indic composed rules
Latin-Indic:internal:Transliterator_Latin_Indic.txt:UTF8:FORWARD
Devanagari-Indic:internal:Transliterator_Devanagari_Indic.txt:UTF8:FORWARD
Bengali-Indic:internal:Transliterator_Bengali_Indic.txt:UTF8:FORWARD
Gurmukhi-Indic:internal:Transliterator_Gurmukhi_Indic.txt:UTF8:FORWARD
Gujarati-Indic:internal:Transliterator_Gujarati_Indic.txt:UTF8:FORWARD
Oriya-Indic:internal:Transliterator_Oriya_Indic.txt:UTF8:FORWARD
Tamil-Indic:internal:Transliterator_Tamil_Indic.txt:UTF8:FORWARD
Telugu-Indic:internal:Transliterator_Telugu_Indic.txt:UTF8:FORWARD
Kannada-Indic:internal:Transliterator_Kannada_Indic.txt:UTF8:FORWARD
Malayalam-Indic:internal:Transliterator_Malayalam_Indic.txt:UTF8:FORWARD

# Latin-Indic transliterators
Latin-Devanagari:alias:['0-9-A-Za-z-\u00C0-\u00C5\u00C7-\u00CF\u00D1-\u00D6\u00D9-\u00DD\u00E0-\u00E5\u00E7-\u00EF\u00F1-\u00F6\u00F9-\u00FF-\u010F\u0112-\u0125\u0128-\u0130\u0134-\u0137\u0139-\u013E\u0143-\u0148\u014C-\u0151\u0154-\u0165\u0168-\u017E\u0180-\u01A1\u01B0-\u01B8-\u01B0\u01C1-\u01C7\u01D0\u01D4-\u01D9\u01E6-\u01F0\u01F4-\u01F5\u01F8-\u01FB\u0200-\u021B\u021E-\u021F\u0226-\u0233\u0E99\u0E9A-\u0E9B-\u0E9D-\u0E9F\u012A-\u012B];NFD;Latin-Indic;NFC
Devanagari-Latin:alias:[\u0901-\u0903\u0939\u093c\u094d\u0950-\u0954\u096f];NFD;Devanagari-InterIndic;InterIndic-Latin;NFC
Bengali-Latin:alias:[\u0964-\u0965\u0981-\u0983\u0992\u0993\u09a4-\u09b2\u09b6-\u09c6\u09c8\u09c9-\u09cc\u09cd-\u09dd\u09de\u09f0-\u09f2];NFD;Bengali-InterIndic;InterIndic-Latin;NFC
Gurmukhi-Latin:alias:[\u0964-\u0965\u0a02-\u0a05\u0a0f-\u0a10\u0a13-\u0a28\u0a32-\u0a33\u0a35-\u0a36\u0a38-\u0a39\u0a3c-\u0a42-\u0a44\u0a46-\u0a4d];NFD;Gurmukhi-InterIndic;InterIndic-Latin;NFC
Gujarati-Latin:alias:[\u0964-\u0965\u0a81-\u0a83\u0a85-\u0a8c\u0a8f-\u0a93-\u0a9a\u0a9c-\u0aab\u0aac-\u0aad\u0aae-\u0abc\u0add\u0aed-\u0aff];NFD;Gujarati-InterIndic;InterIndic-Latin;NFC
Oriya-Latin:alias:[\u0964-\u0965\u0b01-\u0b03\u0b05-\u0b0e\u0b0f-\u0b10\u0b13-\u0b28\u0b32-\u0b33\u0b36-\u0b39\u0b3c-\u0b43-\u0b46-\u0b48\u0b4a-\u0b5d\u0b5f-\u0b6e];NFD;Oriya-InterIndic;InterIndic-Latin;NFC
Tamil-Latin:alias:[\u0a02-\u0a05\u0a0f-\u0a10\u0a13-\u0a28\u0a32-\u0a33\u0a35-\u0a36\u0a38-\u0a39\u0a3c-\u0a42-\u0a44\u0a46-\u0a4d];NFD;Tamil-InterIndic;InterIndic-Latin;NFC
Telugu-Latin:alias:[\u0c01-\u0c03\u0c05-\u0c0d\u0c0f-\u0c10\u0c12-\u0c28\u0c32-\u0c33\u0c35-\u0c39\u0c3e-\u0c44-\u0c46-\u0c48\u0c4a-\u0c5d\u0c5f-\u0c6e-\u0c6f];NFD;Telugu-InterIndic;InterIndic-Latin;NFC
Kannada-Latin:alias:[\u0c02-\u0c05\u0c0f-\u0c10\u0c12-\u0c28\u0c32-\u0c33\u0c35-\u0c39\u0c3e-\u0c44-\u0c46-\u0c48\u0c4a-\u0c5d\u0c5f-\u0c6e-\u0c6f];NFD;Kannada-InterIndic;InterIndic-Latin;NFC
Malayalam-Latin:alias:[\u0d02-\u0d05\u0d0f-\u0d10\u0d12-\u0d28\u0d32-\u0d34\u0d36-\u0d38\u0d3a-\u0d44-\u0d46-\u0d48\u0d4a-\u0d57\u0d60-\u0d61-\u0d6f];NFD;Malayalam-InterIndic;InterIndic-Latin;NFC

Devanagari-Bengali:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Bengali;NFC
Devanagari-Gurmukhi:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Gurmukhi;NFC
Devanagari-Gujarati:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Gujarati;NFC
Devanagari-Oriya:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Oriya;NFC
Devanagari-Tamil:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Tamil;NFC
Devanagari-Telugu:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Telugu;NFC
Devanagari-Kannada:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Kannada;NFC
Devanagari-Malayalam:alias:[\u0901-\u0903\u0939\u093c-\u094d\u0950-\u0954];NFD;Devanagari-InterIndic;InterIndic-Malayalam;NFC
Gujarati-Devanagari: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Devanagari;NFC
Gujarati-Bengali: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Bengali;NFC
Gujarati-Gurmukhi: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Gurmukhi;NFC
Gujarati-Oriya: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Oriya;NFC
Gujarati-Tamil: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Tamil;NFC
Gujarati-Telugu: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Telugu;NFC
Gujarati-Kannada: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9\u0AC7\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Kannada;NFC
Gujarati-Malayalam: alias: [\u0964-\u0965\u0A81-\u0A83\u0A85-\u0A87\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9\u0AC7\u0AC9\u0ACB-\u0ACD\u0AD0-u0AE0-u0AE6-u0AEF];NFD;Gujarati-InterIndic;InterIndic-Malayalam;NFC

Oriya-Devanagari: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-\u0B61\u0B66-\u0B70];NFD;Oriya-InterIndic;InterIndic-Devanagari;NFC
Oriya-Bengali: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-\u0B61\u0B66-\u0B70];NFD;Oriya-InterIndic;InterIndic-Bengali;NFC
Oriya-Gurmukhi: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-\u0B61\u0B66-\u0B70];NFD;Oriya-InterIndic;InterIndic-Gurmukhi;NFC
Oriya-Gujarati: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-\u0B61\u0B66-\u0B70];NFD;Oriya-InterIndic;InterIndic-Gujarati;NFC
Oriya-Tamil: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-\u0B61\u0B66-\u0B70];NFD;Oriya-InterIndic;InterIndic-Tamil;NFC
Oriya-Telugu: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-\u0B61\u0B66-\u0B70];NFD;Oriya-InterIndic;InterIndic-Telugu;NFC
Oriya-Kannada: alias: [\u0B01-\u0B03\u0B05-\u0B06\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3C-\u0B43\u0B47-\u0B48\u0B4A-\u0B4D\u0B56-\u0B75\u0B5C-\u0BD5\u0B5F-
InterIndic;InterIndic-Oriya;NFC
Malayalam-Tamil:alias:[\u0D02-\u0D03\u0D05-\u0D0C\u0D0E-\u0D10-\u0D12-\u0D28-\u0D2A-\u0D39-\u0D3E-\u0D43-\u0D46-\u0D48-\u0D4A-\u0D4D\u0D57-\u0D60-\u0D61-\u0D66-\u0D6F];NFD;Malayalam-InterIndic;InterIndic-Tamil;NFC
Malayalam-Telugu:alias:[\u0D02-\u0D03\u0D05-\u0D0C\u0D0E-\u0D10-\u0D12-\u0D28-\u0D2A-\u0D39-\u0D3E-\u0D43-\u0D46-\u0D48-\u0D4A-\u0D4D\u0D57-\u0D60-\u0D61-\u0D66-\u0D6F];NFD;Malayalam-InterIndic;InterIndic-Telugu;NFC
Malayalam-Kannada:alias:[\u0D02-\u0D03\u0D05-\u0D0C\u0D0E-\u0D10-\u0D12-\u0D28-\u0D2A-\u0D39-\u0D3E-\u0D43-\u0D46-\u0D48-\u0D4A-\u0D4D\u0D57-\u0D60-\u0D61-\u0D66-\u0D6F];NFD;Malayalam-InterIndic;InterIndic-Kannada;NFC
# eof

Found in path(s):
*/opt/cola/permits/1001069448_1607103999.49/0/icu4j-2.6-1.jar/com/ibm/icu/impl/data/Transliterator_index.txt

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#--------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Kannada_InterIndic.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.6 $
#--------------------------------------------------------------

# Kannada-InterIndic
\u0CC6\u0CD5>\uE047; # VOWEL SIGN EE
\u0CC6\u0CCD\u0CD6>\uE048\ue04d; # VOWEL SIGN AI
\u0CC6\u0CD6>\uE048; # VOWEL SIGN AI
\u0CC6\u0CC2\u0CD5>\uE046; # VOWEL SIGN OO
\u0CC6\u0CC2>\uE04A; # VOWEL SIGN O
\u0CBF\u0CD5>\uE040; # VOWEL SIGN II
\u0C82>\uE002; # SIGN ANUSVARA
\u0C83>\uE003; # SIGN VISARGA
\u0C85>\uE005; # LETTER A
\u0C86>\uE006; # LETTER AA
\u0C87>\uE007; # LETTER I
\u0C88>\uE008; # LETTER II
\u0C89>\uE009; # LETTER U
\u0C8A>\uE00A; # LETTER UU
\u0C8B>\uE00B; # LETTER VOCALIC R
\u0C8C>\uE00C; # LETTER VOCALIC L
\u0C8E>\uE00E; # LETTER E
\u0C8F>\uE00F; # LETTER EE
\u0C90>\uE010; # LETTER AI
\u0C92>\uE012; # LETTER O
\u0CDE>\uE034; # LETTER LLLA
\u0CE0>\uE060; # LETTER VOCALIC RR
\u0CE1>\uE061; # LETTER VOCALIC LL
\u0CE6>\uE066; # DIGIT ZERO
\u0CE7>\uE067; # DIGIT ONE
\u0CE8>\uE068; # DIGIT TWO
\u0CE9>\uE069; # DIGIT THREE
\u0CEA>\uE06A; # DIGIT FOUR
\u0CEB>\uE06B; # DIGIT FIVE
\u0CEC>\uE06C; # DIGIT SIX
\u0CED>\uE06D; # DIGIT SEVEN
\u0CEE>\uE06E; # DIGIT EIGHT
\u0CEF>\uE06F; # DIGIT NINE

# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2.6-1-
  jar/com/ibm/icu/impl/data/Transliterator_Kannada_InterIndic.txt
No license file was found, but licenses were detected in source scan.

#---------------------------------------------------------------
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#---------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_ThaiLogical_Latin.txt,v $
# $Date: 2002/07/26 19:56:55 $
# $Revision: 1.5 $
#---------------------------------------------------------------

# Thai-Latin
# This set of rules follows ISO 11940
# see http://homepage.mac.com/sirbinks/pdf/Thai.r2.pdf
# except that that does not mention an implicit vowel, so we use o
# #
# The transcription is fairly ugly, so we ought to also do the UNGEGN version
# see: http://www.eki.ee/wgrs/rom1_th.pdf
# and probably make that the main variant.

# Note: this is an internal file. The NFD/NFC is handled externally, in the index
# The insertion of spaces between words, the reversal of the vowels
# and the conversion of space to semicolon are done *outside* of these rules.
# So as far as these rules are concerned, the vowels are in logical order!

# insert implicit vowel (and remove it going the other way)
# COMMENTED out: the implicit vowel positions cannot be predicted algorithmically
#$consonant = [-];
#$vowel = [--];
#( $consonant ) [^$vowel ] > | $1 ;
# > o ;
# < o ;

$notAbove = [^p{ccc=0}\p{ccc=above}] ;
$notBelow = [^p{ccc=0}\p{ccc=below}] ;

# Consonants
# Warning: the 'h's need to be handled carefully!
# What we really want to say is the following, but we can't
# $notHAccent = !($notAbove* | $notBelow* ) ;

# Since the only accents we care about that could cause problems are free-standing accents below, we use instead:
$freeStandingBelow = [\u0325 ] ;
$shAccent = [ ]
$notHAccent0 = [^$freeStandingBelow$shAccent] ;
$notHAccent1 = $freeStandingBelow [^$shAccent] ;

> h ; # THAI CHARACTER HO HIP
| $1 < h ($notAbove* ) ; # backward case, account for reordering
<> h ; # THAI CHARACTER HO NOKHUK

<> kh ; # THAI CHARACTER KHO KHAI
<> kh ; # THAI CHARACTER KHO KHUAT
<> kh ; # THAI CHARACTER KHO KHON
<> kh ; # THAI CHARACTER KHO RAKHANG
< kh } $notHAccent1 ; # THAI CHARACTER KHO KHWAI
< kh } $notHAccent0 ; # THAI CHARACTER KHO KHWAI
<> k ; # THAI CHARACTER KO KAI

<> ph ; # THAI CHARACTER PHO SAMPHAO
<> ph ; # THAI CHARACTER PHO PHUNG
< ph } $notHAccent1 ; # THAI CHARACTER PHO PHAN
< ph } $notHAccent0 ; # THAI CHARACTER PHO PHAN
<> p ; # THAI CHARACTER PO PLA

<> ch ; # THAI CHARACTER CHO CHING
<> ch ; # THAI CHARACTER CHO CHOE
< ch } $notHAccent1 ; # THAI CHARACTER CHO CHANG
< ch } $notHAccent0 ; # THAI CHARACTER CHO CHANG
<> c ; # THAI CHARACTER CHO CHAN

<> th ; # THAI CHARACTER THO THAN
<> th ; # THAI CHARACTER THO NANGMONTHO
<> th ; # THAI CHARACTER THO PHUTHAO
<> th ; # THAI CHARACTER THO THUNG
<> th ; # THAI CHARACTER THO THONG
# Note: TO PATAK deviates from ISO since t-dotunder + h would be ambiguous. So it uses vertical tick.

\[ \text{\texttt{t}} \] ; \text{# THAI CHARACTER TO PATAK}

\[ \text{\texttt{t}} \] ; \text{# THAI CHARACTER TO TAO}

# since there is no singleton g (generated), don't worry about that.

\[ \text{\texttt{ng}} \] ; \text{# THAI CHARACTER NGO NGU}

\[ \text{\texttt{n}} \] ; \text{# THAI CHARACTER NO NEN}

\[ \text{\texttt{n}} \] ; \text{# THAI CHARACTER NO NU}

\[ \text{\texttt{y}} \] ; \text{# THAI CHARACTER YO YING}

\[ \text{\texttt{d}} \] ; \text{# THAI CHARACTER DO CHADA}

\[ \text{\texttt{d}} \] ; \text{# THAI CHARACTER DO DEK}

\[ \text{\texttt{b}} \] ; \text{# THAI CHARACTER BO BAIMAI}

\[ \text{\texttt{f}} \] ; \text{# THAI CHARACTER FO FA}

\[ \text{\texttt{m}} \] ; \text{# THAI CHARACTER MO MA}

\[ \text{\texttt{y}} \] ; \text{# THAI CHARACTER YO YAK}

\[ \text{\texttt{v}} \] ; \text{# THAI CHARACTER RU}

\[ \text{\texttt{r}} \] ; \text{# THAI CHARACTER RO RUA}

\[ \text{\texttt{v}} \] ; \text{# THAI CHARACTER RU}

\[ \text{\texttt{w}} \] ; \text{# THAI CHARACTER WO WAEN}

\[ \text{\texttt{s}} \] ; \text{# THAI CHARACTER SO SALA***}

\[ \text{\texttt{s}} \] ; \text{# THAI CHARACTER SO SALA***}

\[ \text{\texttt{s}} \] ; \text{# THAI CHARACTER SO RUSI}

\[ \text{\texttt{s}} \] ; \text{# THAI CHARACTER SO SUA***}

\[ \text{\texttt{l}} \] ; \text{# THAI CHARACTER LO CHULA}

\[ \text{\texttt{l}} \] ; \text{# THAI CHARACTER LO LING}

\[ \text{\texttt{f}} \] ; \text{# THAI CHARACTER FO FAN}

\[ \text{\texttt{x}} \] ; \text{# THAI CHARACTER O ANG}

\[ \text{\texttt{s}} \] ; \text{# THAI CHARACTER SO SO}

# vowels

\[ \text{\texttt{a}} \] ; \text{# THAI CHARACTER MAI HAN-AKAT}

\[ \text{\texttt{a}} \] ; \text{# THAI CHARACTER SARA AA}

\[ \text{\texttt{a}} \] ; \text{# THAI CHARACTER SARA AM}

# We deviate from ISO for SARA AM for disambiguation
$1 < a ($notAbove*) ; # backward case, account for reordering

<> a ; # THAI CHARACTER SARA A
<> i ; # THAI CHARACTER SARA II
$1 < i ($notAbove*) ; # backward case, account for reordering

<> u ; # THAI CHARACTER SARA UEE
$1 < u ($notAbove*) ; # backward case, account for reordering

<> u ; # THAI CHARACTER SARA UE
<> u ; # THAI CHARACTER SARAUU
$1 < u ($notAbove*) ; # backward case, account for reordering

<> u ; # THAI CHARACTER SARA U
<> ‡ ; # THAI CHARACTER PAIYANNOI

# <> XXX ; # THAI CURRENCY SYMBOL BAHT

<> e ; # THAI CHARACTER SARA E
<> æ ; # THAI CHARACTER SARA AE
<> o ; # THAI CHARACTER SARA O
<> ; # THAI CHARACTER SARA AI MAIMUAN
<> i ; # THAI CHARACTER SARA AI MAIMALAI
<> ; # THAI CHARACTER LAKKHAINGYAO
<> ; # THAI CHARACTER MAITAIKHU
<> ; # THAI CHARACTER MAI EK
<> ; # THAI CHARACTER MAI THO
<> ; # THAI CHARACTER MAI TRI
<> ; # THAI CHARACTER MAI CHATTAWA
<> ; # THAI CHARACTER THANTHAKHAT
<> ' ~ ' ; # THAI CHARACTER YAMAKKAN

# We deviate from ISO for disambiguation
<> ; # THAI CHARACTER NIKHAHIT

<> § ; # THAI CHARACTER FONGMAN

<> 0 ; # THAI DIGIT ZERO
<> 1 ; # THAI DIGIT ONE
<> 2 ; # THAI DIGIT TWO
<> 3 ; # THAI DIGIT THREE
<> 4 ; # THAI DIGIT FOUR
<> 5 ; # THAI DIGIT FIVE
<> 6 ; # THAI DIGIT SIX
<> 7 ; # THAI DIGIT SEVEN
<> 8 ; # THAI DIGIT EIGHT
<> 9 ; # THAI DIGIT NINE
# moved down to make shorter first
#Note: PHINTHU deviates from ISO since underring causes canonical problems. So it uses spacing tick below.

# fallbacks

| k < g ;
| k < h ;
| c < j ;
| k < q ;
| s < z ;

:: (lower);

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
jar/com/ibm/icu/impl/data/Transliterator_ThaiLogical_Latin.txt

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#---------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Oriya.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.9 $
#---------------------------------------------------------

# InterIndic-Oriya
#:: NFD (NFC) :
\ue001>\u0b01; # SIGN CANDRABINDU
\ue002>\u0b02; # SIGN ANUSVARA
\ue003>\u0b03; # SIGN VISARGA
\ue005>\u0b05; # LETTER A
\ue006>\u0b06; # LETTER AA
\ue007>\u0b07; # LETTER I
\ue008>\u0b08; # LETTER II
\ue009>\u0b09; # LETTER U
\ue00a>\u0b0a; # LETTER UU
\ue00b>\u0b0b; # LETTER VOCALIC R
\ue00c>\u0b0c; # LETTER VOCALIC L
Open Source Used In Data Center Network Manager 11.5(1) 12402
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Oriya.txt
No license file was found, but licenses were detected in source scan.

# InterIndic-Gujarati
#:: NFD (NFC) ;
\ue001>\u0a81; # SIGN CANDRABINDU
\ue002>\u0a82; # SIGN ANUSVARA
\ue003>\u0a83; # SIGN VISARGA
\ue005>\u0a85; # LETTER A
\ue006>\u0a86; # LETTER AA
\ue007>\u0a87; # LETTER I
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Gujarati.txt
No license file was found, but licenses were detected in source scan.

# Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Latin_Katakana.txt,v$

---

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#---------------------------------------------------------------

 knotlab

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# Date: 2001/12/03 02:10:26 $
# Revision: 1.19 $

# note: a global filter is more efficient, but MUST include all source chars
#: [\u0000-\u007E \u3001-\u3002 \u3099-\u309C \u30A1-\u30FC \uFF61-\uFF9F [:Latin:] [:Katakana:] [:nonspacing mark:] ];
# MINIMAL FILTER GENERATED FOR: Latin-Katakana
### WARNING -- must add width filter, both here and below!!! ###
:: [\u1100-\u1112 \u111A-\u1121 \u1160-\u1175 \u11AA-\u11AD \u11B0-\u11B5 \u2190-\u2193 \u2502 \u25A0 \u25CB \u3000-\u3002 \u300C-\u300D \u3099-\u309A \u30A1-\u30ED \u30F4-\u30F7 \u30FC [:Latin:] [:Katakana:] [:nonspacing mark:] ];
:: NFD (NFC);
:: Lower ();  # whenever transliterating from cased to uncased script, include this
# :: NFD () ;  # this would catch the odd cases where a lowercase is not in NFD, but none are important for Japanese

# Uses modified Hepburn. Small changes to make unambiguous.

# | Kunrei-shiki: Hepburn/MHepburn
# | --------------------------
# | si: shi
# | si ~ya: sha
# | si ~yu: shu
# | si ~yo: sho
# | zi: ji
# | zi ~ya: ja
# | zi ~yu: ju
# | zi ~yo: jo
# | ti: chi
# | ti ~ya: cha
# | ti ~yu: chu
# | ti ~yu: cho
# | tu: tsu
# | di: ji/dji
# | du: zu/dzu
# | hu: fu

# | For foreign words:
# | ------------------
# | se ~i si
# | si ~e she
# |
# | ze ~i zi
# | zi ~e je
# |
# | te ~i ti
# | ti ~e che
# | te ~u tu
# |
# | de ~i di
# | de ~u du
# | de ~i di
# |
# | he ~u: hu
# | hu ~a fa
# | hu ~i fi
# | hu ~e he
# | hu ~o ho

# Most small forms are generated, but if necessary
# explicit small forms are given with ~a, ~ya, etc.

# Variables
$vowel = [aeiou] ;
$consonant = [bcdfghjklmnpqrstvwxyz] ;
$macron = \u0304 ;

# Variables used for doubled-consonants with tsu
$kana = [\u3041-\u3094] ;

$voice = [\u3099\u309B] ;
$semivoice = [\u309A\u309C] ;

$k_start = [] ;
$s_start = [] ;

$j_start = [] $voice ;
$t_start = [] ;
$n_start = [] ;
$h_start = [] ;
$f_start = [] ;
$m_start = [] ;
$y_{\text{start}} = [] ;$

$r_{\text{start}} = [] ;$

$w_{\text{start}} = [] ;$

$v_{\text{start}} = [] ;$

# if  is followed by  then it needs an
# apostrophe after its romaji form to disambiguate it.
# e.g.,  ! = , so represent as “n’a”, not ”na”.

$n_{\text{quoter}} = [ ] ;$

$small_y = [ ] ;$

$iteration = \u309d ;$

#------------------------------------------------------
# katakana rules
#------------------------------------------------------
# Punctuation

';' <> ;

',,' <> ;

# " " [a-z] > ; # delete spaces before latin
# " " < \[^' 'u30a0-u30ff\] {} {} \u30a0-\u30ff] ; #insert spaces before hiragana

# Iteration Mark
# Copy previous letter & marks

# TODO
# | $1 $1 < ($kana [:M:]$voice$semivoice?') $iteration

# Specials for katakana -- not shared with hiragana

va <> ;

vi <> ;

ve <> ;

vo <> ;

'~'ka' <> ;

'~'ke' <> ;

# ~~~ begin shared rules ~~~

#special
ya < '畏';
yi < '畏';
yu < '畏';
ye < '畏';
yo < '畏';

#normal

a <> ;

b | '畏' < ] $small_y ;
by } $vowel > | '畏' ;

ba <> ;
bi <> ;
bu <> ;
be <> ;
bo <> ;

c ] i > | s ;
c ] e > | s ;

da <> ;
di <> ;
du <> ;
de <> ;
do <> ;
dzu <> ;
dja < ;
dji~i' < ; # liu
dj } i > | s ;
dj } $vowel > | '畏' ;

# TODO: QUESTION: use instead of dj, dz

cha < ;
chi~i' < ; # liu
chu < ;
che < ;
cho < ;
chi <> ;
ch ] $vowel > | '畏' ;

e <> ;
se <>
so <>

sha <
shi’-i’ < ; # liu
shu <
she <
sho <
shi <>
sh > $vowel > |’-y’;

ta <>
ti <>
tu <>
ter <>
to <>

tsu <>

# v > $vowel > |’-~’:

#v~a’ < ; # liu
#v~i’ < ; # liu
#v~e’ < ; # liu
#v~o’ < ; # liu
vu <>
u <>

# w > $vowel > |’~’:

wa <>
wi <>
wu >
we <>
wo <>

ya <>
yi >
yu <>
ye >
yo <>

# double consonants

#specials
s } sh >
t } ch >
# voiced

\[ j \rightarrow \{ j \}\]$j_start;
\[ b \rightarrow \{ b \}\]$sh_start$fr_start$voice;
\[ d \rightarrow \{ d \}\]$t_start$voice;
\[ g \rightarrow \{ g \}\]$k_start$voice;
\[ p \rightarrow \{ p \}\]$sh_start$fr_start$semi_voice;
\[ v \rightarrow \{ v \}\]$v_start$voice;
\[ z \rightarrow \{ z \}\]$s_start$voice;
\[ v \rightarrow \{ v \}\]$v_start;

# normal

\[ k \rightarrow \{ k \}\]$k_start;
\[ m \rightarrow \{ m \}\]$m_start;
\[ n \rightarrow \{ n \}\]$n_start;
\[ h \rightarrow \{ h \}\]$h_start;
\[ f \rightarrow \{ f \}\]$f_start;
\[ r \rightarrow \{ r \}\]$r_start;
\[ t \rightarrow \{ t \}\]$t_start;
\[ s \rightarrow \{ s \}\]$s_start;
\[ w \rightarrow \{ w \}\]$w_start;
\[ y \rightarrow \{ y \}\]$y_start;

# completeness

\[ x \rightarrow \{ x \}\];
\[ e \rightarrow \{ e \}\];
\[ i \rightarrow \{ i \}\];
\[ o \rightarrow \{ o \}\];
\[ u \rightarrow \{ u \}\];
\[ \text{\# macron} \rightarrow \{ \}\]$macron$;

# prolonged vowel mark. this indicates a doubling of
# the preceding vowel sound

\[ a < a \{ ; \text{\# liu} \];
\[ e < e \{ ; \text{\# liu} \];
\[ i < i \{ ; \text{\# liu} \];
\[ o < o \{ ; \text{\# liu} \];
\[ u < u \{ ; \text{\# liu} \];

$\text{\# small forms}$
'~a' <> ;
'~i' <> ;
'~u' <> ;
'~e' <> ;
'~o' <> ;
'~tsu' <> ;
'~wa' <> ;
'~ya' <> ;
'~yi' > ;
'~yu' <> ;
'~ye' > ;
'~yo' <> ;

# iteration marks
# TODO: make more accurate

j $1 < sh (y* $vowel) { $voice ;
dj $1 < ch (y* $vowel) { $voice ;
dz $1 < ts (y* $vowel) { $voice ;

g $1 < k (y* $vowel) { $voice ;
z $1 < s (y* $vowel) { $voice ;
d $1 < t (y* $vowel) { $voice ;
h $1 < b (y* $vowel) { $voice ;
v $1 < w (y* $vowel) { $voice ;

sh $1 < sh (y* $vowel) { $voice ;
j $1 < j (y* $vowel) { $voice ;
ch $1 < ch (y* $vowel) { $voice ;
dj $1 < dj(y* $vowel) { $voice ;
ts $1 < ts (y* $vowel) { $voice ;
dz $1 < dz (y* $vowel) { $voice ;

$1 < ($consonant y* $vowel) { $voice? ;
$1 < (.) { $voice? ; # otherwise repeat last character
< $voice? ; # delete if no characters found

# h- rule: lengthens vowel if not followed by a vowel

[aeiou] h > ;

# one-way latin- > kana rules. these do not occur in
# well-formed romaji representing actual japanese text.
# their purpose is to make all romaji map to kana of
# some sort.

# the following are not really necessary, but produce
# slightly more natural results.

cy > ;
dy > ;
hy > ;
sy > ;
ty > ;
zy > ;

h > ;

# isolated consonants listed here so as not to mask
# longer rules above.

ch > ;
sh > ;
dz > ;
dj > ;

b > ;
d > ;
g > ;
k > ;
m > ;

n'' < } $n_quoter ;
n < ] $n_quoter ;
p > ;
r > ;
s > ;
t > ;
y > ;
z > ;
v > ;

f > ;
j > ;
w > ;

ß > | ss ;
æ > | e ;
ð > | d ;
ø > | u ;
þ > | th ;

# simple substitutions using backup

c > | k ;
l > | r ;
q > | k ;
x > | ks ;

# ~~~ END shared rules ~~~

# Final cleanup

'~' > ; # delete stray tildes between letters
[:Katakana:] { " } [:Latin:] > ; # delete stray quotes between letters
# [\u02BE[:Nonspacing Mark:]-[\u3099-\u309C]] > ; # delete any non-spacing marks that we didn't use

:: NFC (NFD) ;
:: ([:Katakana:] halfwidth-fullwidth);

# note: a global filter is more efficient, but MUST include all source chars!!
#: ([\u0000-\u007E \u00A5-\u00A6\u00AC\u0304\u20A9\uFF61-\uFF9F [:Latin:][:Katakana:]
[[:Nonspacing Mark:]])
# MINIMAL FILTER GENERATED FOR: Latin-Katakana BACKWARD
:: (\[\~\u00A3\u00A5\u00A6\u00AC\u0304\u20A9\uFF61-\uFF9F\[\u3001-\u3002-\u3073-\u3074-\u3076-\u3077-\u3079-\u307A-\u307C-\u307D-\u3094-\u3099-\u309B-\u309E-\u30A1-\u30FA-\u30FC-\u30FE\] ) ;

# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-
jar/com.ibm/icu/impl/data/Transliterator_Latin_Katakana.txt
No license file was found, but licenses were detected in source scan.

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#$Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Telugu_InterIndic.txt,v $
#$Date: 2002/08/14 00:40:58 $
#$Revision: 1.7 $
#$-----------------------------------------------

# Telugu-InterIndic
#:: NFD (NFC) ;
\u0c46\u0c0c\u0c4d\u0c0c\u0c56>\ue048\ue04d;
\u0C46\u0C0C\u0C56>\uE048; # VOWEL SIGN AI
\u0c01>\ue001;   # SIGN CANDRABINDU
\u0c02>\ue002;   # SIGN ANUSVARA
\u0c03>\ue003;   # SIGN VISARGA
Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1.jar/com/ibm/icu/impl/data/Transliterator_Telugu_InterIndic.txt
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# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_InterIndic_Bengali.txt,v $
# $Date: 2002/09/19 18:11:23 $
# $Revision: 1.10 $
# InterIndic-Bengali
#:: NFD (NFC) ;
\uE001>\u0981;          # SIGN CANDRABINDU
\uE002>\u0982;  # SIGN ANUSVARA
\uE003>\u0983;  # SIGN VISARGA
\uE005>\u0985;  # LETTER A
\uE006>\u0986;  # LETTER AA
\uE007>\u0987;  # LETTER I
\uE008>\u0988;  # LETTER II
\uE009>\u0989;  # LETTER U
\uE00A>\u098A;  # LETTER UU
\uE00B>\u098B;  # LETTER VOCALIC R
\uE00C>\u098C;  # LETTER VOCALIC L
\uE00D>\u098D;  # FALLBACK
\uE00E>\u098E;  # FALLBACK
\uE00F>\u098F;  # LETTER E
\uE010>\u0990;  # LETTER AI
\uE011>\u0991;  # FALLBACK
\uE012>\u0992;  # FALLBACK
\uE013>\u0993;  # LETTER O
\uE014>\u0994;  # LETTER AU
\uE015>\u0995;  # LETTER KA
\uE016>\u0996;  # LETTER KHA
\uE017>\u0997;  # LETTER GA
\uE018>\u0998;  # LETTER GHA
\uE019>\u0999;  # LETTER NGA
\uE01A>\u099A;  # LETTER CA
\uE01B>\u099B;  # LETTER CHA
\uE01C>\u099C;  # LETTER JA
\uE01D>\u099D;  # LETTER JHA
\uE01E>\u099E;  # LETTER NYA
\uE01F>\u099F;  # LETTER TTA
\uE020>\u09A0;  # LETTER TTHA
\uE021>\u09A1;  # LETTER DDA
\uE022>\u09A2;  # LETTER DDHA
\uE023>\u09A3;  # LETTER NNA
\uE024>\u09A4;  # LETTER TA
\uE025>\u09A5;  # LETTER THA
\uE026>\u09A6;  # LETTER DA
\uE027>\u09A7;  # LETTER DHA
\uE028>\u09A8;  # LETTER NA
\uE029>\u09A8\u09BC;  # REMAP (indicExceptions.txt): \u099a9>\u09a8 = LETTER NNNA>LETTER NA
\uE02A>\u09A9;  # LETTER PA
\uE02B>\u09AA;  # LETTER PHA
\uE02C>\u09AB;  # LETTER BA
\uE02D>\u09AC;  # LETTER BHA
\uE02E>\u09AD;  # LETTER MA
\uE02F>\u09AE;  # LETTER YA
\uE030>\u09AF;  # LETTER RA
\uE031>\u09A0\u09BC;  # FALLBACK to RA
\uE032>\u09B0;  # LETTER LA
\u0965;          # DOUBLE DANDA
\u0966;          # DIGIT ZERO
\u0967;          # DIGIT ONE
\u0968;          # DIGIT TWO
\u0969;          # DIGIT THREE
\u096A;          # DIGIT FOUR
\u096B;          # DIGIT FIVE
\u096C;          # DIGIT SIX
\u096D;          # DIGIT SEVEN
\u096E;          # DIGIT EIGHT
\u096F;          # DIGIT NINE
\ue070;          # ABBREVIATION SIGN
\ue071;          # LETTER RA WITH MIDDLE DIAGONAL
\ue072;          # LETTER RA WITH LOWER DIAGONAL
\ue073;          # RUPEE MARK
\ue074;          # RUPEE SIGN
\ue075;          # CURRENCY NUMERATOR ONE
\ue076;          # CURRENCY NUMERATOR TWO
\ue077;          # CURRENCY NUMERATOR THREE
\ue078;          # CURRENCY NUMERATOR FOUR
\ue079;          # CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
\ue07A;          # CURRENCY DENOMINATOR SIXTEEN
\ue07B;          # ISSHAR
\ue07C;          # TIPPI
\ue07D;          # ADDAK
\ue07E;          # IRI
\ue07F;          # URA
\ue080;          # EK ONKAR

0 \u0966;          # FALLBACK FOR TAMIL
1 \u096E7;

# :: NFC (NFD);
# eof

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1.jar/com/ibm/icu/impl/data/Transliterator_InterIndic_Bengali.txt
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#----------------------------------------------------------------------
# $Source: /usr/cvs/icu4j/icu4j/src/com/ibm/icu/impl/data/Transliterator_Any_Publishing.txt,v $
# $Date: 2001/10/23 00:23:46 $
# $Revision: 1.4 $
#----------------------------------------------------------------------

# Test case
# "The" "(quick)" 'brown') `fox` ` jumped -- "over?"

# Variables

$single = \';
$space = ' ' ;
$double = " " ;
$back = \';
$tab = \'\u0008' ;
$makeRight = [[:Z:][[:Ps:]][:Pi:]] ;

# fix UNIX quotes

$back $back > " ;
$back > ' ;

# fix typewriter quotes, by context

$makeRight { $double } <> " ;
$double <> " ;

$makeRight { $single } <> ' ;
$single <> ' ;

# fix multiple spaces and hyphens

$space { $space } > ;
'--' <> — ;

Found in path(s):
* /opt/cola/permits/1001069448_1607103999.49/0/icu4j-2-6-1-jar/com/ibm/icu/impl/data/Transliterator_Any_Publishing.txt
1.1503 wildfly-io 6.0.2.Final
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1.1504 llvm 7.0.1-1.el7
1.1504.1 Available under license:

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Albert Pretorius <pretoalb@gmail.com>
Arne Beer <arne@twobeer.de>
Billy Robert O'Neal III <billy.oneal@gmail.com> <bion@microsoft.com>
Chris Kennelly <ckennelly@google.com> <ckennelly@ckennelly.com>
Christopher Seymour <chris.j.seymour@hotmail.com>
David Coeurjolly <david.coeurjolly@liris.cnrs.fr>
Deniz Evrenci <denizevrenci@gmail.com>
Dominic Hamon <dma@stripysock.com> <dominic@google.com>
Dominik Czarnota <dominik.b.czarnota@gmail.com>
Eric Fiselier <eric@efcs.ca>
Eugene Zhuk <eugene.zhuk@gmail.com>
Evgeny Safronov <division494@gmail.com>
Felix Homann <linuxaudio@showlabor.de>
Ismael Jimenez Martinez <ismael.jimenez.martinez@gmail.com>
Jern-Kuan Leong <jernkuan@gmail.com>
JianXiong Zhou <zhoujianxiong2@gmail.com>
Joao Paulo Magalhaes <joaoppmagalhaes@gmail.com>
John Millikin <jmillikin@stripe.com>
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Kishan Kumar <kumar.kishan@outlook.com>
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Nick Hutchinson <nshutchinson@gmail.com>
Oleksandr Sochka <sasha.sochka@gmail.com>
Pascal Leroy <phil@google.com>
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Pierre Phaneuf <pphaneuf@google.com>
Radoslav Yovchev <radoslav.tm@gmail.com>
Raul Marin <rmrodriguez@cartodb.com>
Ray Glover <ray.glover@uk.ibm.com>
Robert Guo <robert.guo@mongodb.com>
Roman Lebedev <lebedev.ri@gmail.com>
Shuo Chen <chenshuo@chenshuo.com>
Tobias Ulvgrd <tobias.ulvgard@dirac.se>
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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=aarch64-- | FileCheck %s

; A shuffle mask with all undef elements is always legal.

define <4 x i32> @PR41535(<2 x i32> %p1, <2 x i32> %p2) {
; CHECK-LABEL: PR41535:
; CHECK:       // %bb.0:
; CHECK-NEXT:   ext v0.8b, v0.8b, v1.8b, #4
; CHECK-NEXT:   mov v0.d[1], v0.d[0]
; CHECK-NEXT:   ret
%cat1 = shufflevector <2 x i32> %p1, <2 x i32> undef, <4 x i32> <i32 undef, i32 1, i32 undef, i32 undef>
%cat2 = shufflevector <2 x i32> %p2, <2 x i32> undef, <4 x i32> <i32 0, i32 undef, i32 undef, i32 undef>
%r = shufflevector <4 x i32> %cat1, <4 x i32> %cat2, <4 x i32> <i32 undef, i32 undef, i32 1, i32 4>
ret <4 x i32> %r
}
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s

; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246

CF246: ; preds = %CF246, %BB
%SI163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248

CF248: ; preds = %CF248, %CF246
store i8 %SI163, i8* %0
br label %CF248
}
NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py

RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX

RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256

RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

define void @zext256() "min-legal-vector-width"="256" {
    VEC256-LABEL: 'zext256'
    VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    VEC512-LABEL: 'zext256'
    VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

define void @zext512() "min-legal-vector-width"="512" {
    AVX-LABEL: 'zext512'
    AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
define void @sext256() "min-legal-vector-width"="256" { 
  ; VEC256-LABEL: 'sext256'
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %E = sext <16 x i16> undef to <16 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  %A = sext <8 x i16> undef to <8 x i64>
  %B = sext <8 x i32> undef to <8 x i64>
  %C = sext <16 x i8> undef to <16 x i32>
  %D = sext <16 x i16> undef to <16 x i32>
  %E = sext <32 x i8> undef to <32 x i16>
  ret void
}

define void @sext256() "min-legal-vector-width"="256" { 
  ; VEC256-LABEL: 'sext256'
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 2 for instruction: %E = sext <16 x i16> undef to <16 x i32>
  ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

  %A = sext <8 x i16> undef to <8 x i64>
  %B = sext <8 x i32> undef to <8 x i64>
  %C = sext <16 x i8> undef to <16 x i32>
  %D = sext <16 x i16> undef to <16 x i32>
  %E = sext <32 x i8> undef to <32 x i16>
  ret void
}

// Other code fragments related to AVX-NEXT and SKX256

// Other code fragments related to VEC512
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

define void @sext512() "min-legal-vector-width"="512" {
    ; AVX-LABEL: 'sext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    
    ; SKX256-LABEL: 'sext512'
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
}
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SOFTWARE.

; RUN: opt -S -argpromotion < %s | FileCheck %s
; RUN: opt -S -passes=argpromotion < %s | FileCheck %s
; Test that we only promote arguments when the caller/callee have compatible
; function attributes.

target triple = "x86_64-unknown-linux-gnu"

; This should promote
; CHECK-LABEL: @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64> %arg1.val)
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #0 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
define void @avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %arg) #0 {
  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
  call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
  call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should promote
; CHECK-LABEL: @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64> %arg1.val)
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32

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%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
; CHECK-LABEL: @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1.val)
define internal fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #1 {
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %arg) #0 {
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer512_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
; CHECK-LABEL: @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* %arg1.val)
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #0 {
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %arg) #1 {
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer512(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should not promote
; CHECK-LABEL: @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1)
define internal fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1) #1 {
  bb:
  %tmp = load <8 x i64>, <8 x i64>* %arg1
  store <8 x i64> %tmp, <8 x i64>* %arg
  ret void
}
define void @avx512_legal256_prefer256_call_avx512Legal512_prefer256(<8 x i64>* %arg) #2 {
  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal256_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}

; This should not promote
; CHECK-LABEL: @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1)
define internal fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1) #2 {
  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32
  %tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
  %tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
  store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
  ret void
}
define void @avx512_legal512_prefer256_call_avx512_legal512_prefer256(<8 x i64>* %arg) #1 {
  bb:
  %tmp = alloca <8 x i64>, align 32
  %tmp2 = alloca <8 x i64>, align 32

%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx512_legal512_prefer256_call_avx512_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
; CHECK-LABEL: @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1.val)
define internal fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #3 {
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %arg) #4 {
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal256_prefer256_call_avx2_legal512_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void
}

; This should promote
; CHECK-LABEL: @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg, <8 x i64>* %arg1.val)
define internal fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg, <8 x i64>* readonly %arg1) #4 {
bb:
%tmp = load <8 x i64>, <8 x i64>* %arg1
store <8 x i64> %tmp, <8 x i64>* %arg
ret void
}

define void @avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %arg) #3 {
bb:
%tmp = alloca <8 x i64>, align 32
%tmp2 = alloca <8 x i64>, align 32
%tmp3 = bitcast <8 x i64>* %tmp to i8*
call void @llvm.memset.p0i8.i64(i8* align 32 %tmp3, i8 0, i64 32, i1 false)
call fastcc void @callee_avx2_legal512_prefer256_call_avx2_legal256_prefer256(<8 x i64>* %tmp2, <8 x i64>* %tmp)
%tmp4 = load <8 x i64>, <8 x i64>* %tmp2, align 32
store <8 x i64> %tmp4, <8 x i64>* %arg, align 2
ret void

; Function Attrs: argmemonly nounwind
declare void @llvm.memset.p0i8.i64(i8* nocapture writeonly, i8, i64, i1) #5

attributes #0 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="512" }
attributes #1 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
attributes #2 = { inlinehint norecurse nounwind uwtable "target-features"="+avx512vl" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
attributes #3 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="512" "prefer-vector-width"="256" }
attributes #4 = { inlinehint norecurse nounwind uwtable "target-features"="+avx2" "min-legal-vector-width"="256" "prefer-vector-width"="256" }
attributes #5 = { argmemonly nounwind }

LLVM System Interface Library

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; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
  entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

  while.body.lr.ph: ; preds = %entry
  br label %while.body
while.body: ; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [ 
  i32 1, label %sw.bb.i 
  i32 2, label %sw.bb3.i
]

sw.bb.i: ; preds = %while.body
unreachable

sw.bb3.i: ; preds = %while.body
unreachable

exit: ; preds = %while.body
switch i32 undef, label %exit.2 [ 
  i32 1, label %sw.bb.i17 
  i32 2, label %sw.bb3.i20
]

sw.bb.i17: ; preds = %.exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20: ; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2: ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end: ; preds = %entry
ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:
  ; First, extend each i32 to i64
  ; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v0, #0
  ; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
  ; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
}
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) { ; CHECK-LABEL: test_sitofp_fixed_shortish:
; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

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; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" { 
  ret void 
}

define internal void @innerLarge() "min-legal-vector-width"="512" { 
  ret void 
}

define internal void @innerNoAttribute() { 
  ret void 
}

; We should not add an attribute during inlining. No attribute means unknown. 
; Inlining doesn't change the fact that we don't know anything about this 
; function.
#define void @outerNoAttribute() { 
  call void @innerLarge() 
  ret void 
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" { 
  call void @innerLarge() 
  ret void 
}
define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
    call void @innerSmall()
    ret void
}

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
    call void @innerNoAttribute()
    ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }
; RUN: llc -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s

; D31946
; Check that we don't end up with the "LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)
declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}

; CHECK-LABEL: TestSelect:
; CHECK movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT # %bb.0:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq

define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}

; CHECK-LABEL: TestFabs:
define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}
define void @foo_i8() {
  entry:
  %0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
  %1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
  %2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
  %3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
  %4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
  store i8 %4, i8* inttoptr(i32 805873688 to i8*)
  store i8 %3, i8* inttoptr(i32 805873719 to i8*)
  store i8 %2, i8* inttoptr(i32 805873720 to i8*)
  store i8 %1, i8* inttoptr(i32 805873727 to i8*)
  store i8* inttoptr(i32 805874800 to i8*), i8** @goo
  ret void
}

; Check that for i16 type, the maximum legal offset is 62.
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttopr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %2 = inttopr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %4 = inttopr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %6 = inttopr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %8 = inttopr i32 %[[C1]] to i16*
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; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit | FileCheck %s
; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {  
    ; CHECK-LABEL: add256:  
    ; CHECK:       # %bb.0:  
    ; CHECK-NEXT:   vmovdqa (%rdi), %ymm0  
    ; CHECK-NEXT:   vmovdqa 32(%rdi), %ymm1  
    ; CHECK-NEXT:   vpaddd 32(%rsi), %ymm1, %ymm1  
    ; CHECK-NEXT:   vpaddd (%rsi), %ymm0, %ymm0  
    ; CHECK-NEXT:   vmovdqa %ymm0, (%rdx)  


; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}
define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: add512:
; CHECK:
# %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpaddd (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}
define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
; CHECK-LABEL: avg_v64i8_256:
; CHECK:
# %bb.0:
; CHECK-NEXT: vmovdqa (%rsi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rsi), %ymm1
; CHECK-NEXT: vpavgb (%rdi), %ymm0, %ymm0
; CHECK-NEXT: vpavgb 32(%rdi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqu %ymm1, (%rax)
; CHECK-NEXT: vmovdqu %ymm0, (%rax)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%1 = load <64 x i8>, <64 x i8>* %a
%2 = load <64 x i8>, <64 x i8>* %b
%3 = zext <64 x i8> %1 to <64 x i32>
%4 = zext <64 x i8> %2 to <64 x i32>
%5 = add nuw nsw <64 x i32> %3, <i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32
1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1>
%6 = add nuw nsw <64 x i32> %5, %4
%7 = lshr <64 x i32> %6, <i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,
i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32
1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1,

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define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: avg_v64i8_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vmovdqa64 (%rsi), %zmm0
    ; CHECK-NEXT: vpavgb (%rdi), %zmm0, %zmm0
    ; CHECK-NEXT: vzeroupper
    ; CHECK-NEXT: retq
    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, %i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, %32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1, i32 1
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}

define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: pmaddwd_32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
    ; CHECK-NEXT: vmovdqa %32(%rdi), %ymm1
    ; CHECK-NEXT: vpmaddwd 32(%rsi), %ymm1, %ymm0
    ; CHECK-NEXT: vpmaddwd (%rsi), %ymm0, %ymm0
    ; CHECK-NEXT: vzeroupper
    ; CHECK-NEXT: retq
    %A = load <32 x i16>, <32 x i16>* %APtr
    %B = load <32 x i16>, <32 x i16>* %BPtr
    %a = sext <32 x i16> %A to <32 x i32>
define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
; CHECK-LABEL: pmaddwd_32_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT:  vpmaddwd (%rsi), %zmm0, %zmm0
; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%A = load <32 x i16>, <32 x i16>* %APtr
%B = load <32 x i16>, <32 x i16>* %BPtr
%a = sext <32 x i16> %A to <32 x i32>
%b = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void
}

define void @psbus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
; CHECK-LABEL: psbus_64i8_max_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpsusbsb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT:  vpsusbsb (%rsi), %ymm0, %ymm0
; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %ypr
define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-width":="512" {  
  ; CHECK-LABEL: psubus_64i8_max_512:  
  ; CHECK:    
  ; CHECK-NEXT:    vmovdqa64 (%rdi), %zmm0  
  ; CHECK-NEXT:    vpsubusb (%rsi), %zmm0, %zmm0  
  ; CHECK-NEXT:    vmovdqa64 %zmm0, (%rdx)  
  ; CHECK-NEXT:    vzeroupper  
  ; CHECK-NEXT:    retq  
  %x = load <64 x i8>, <64 x i8>* %xptr  
  %y = load <64 x i8>, <64 x i8>* %yptr  
  %cmp = icmp ult <64 x i8> %x, %y  
  %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x  
  %res = sub <64 x i8> %max, %y  
  store <64 x i8> %res, <64 x i8>* %zptr  
  ret void  
}  

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width":="256" {  
  ; CHECK-LABEL: _Z9test_charPcS_i_256:  
  ; CHECK:      
  ; CHECK-NEXT:    movl %edx, %eax  
  ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0  
  ; CHECK-NEXT:    xorl %ecx, %ecx  
  ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1  
  ; CHECK-NEXT:    .p2align 4, 0x90  
  ; CHECK-NEXT:  .LBB8_1: # %vector.body  
  ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1  
  ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %ymm3  
  ; CHECK-NEXT:    vpmovsxbw 16(%rdi,%rcx), %ymm4  
  ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %ymm5  
  ; CHECK-NEXT:    vpmaddwd %ymm3, %ymm5, %ymm3  
  ; CHECK-NEXT:    vpaddd %ymm1, %ymm3, %ymm1  
  ; CHECK-NEXT:    vpmovsxbw 16(%rsi,%rcx), %ymm3  
  ; CHECK-NEXT:    vpmaddwd %ymm4, %ymm3, %ymm3  
  ; CHECK-NEXT:    vpaddd %ymm2, %ymm3, %ymm2  
  ; CHECK-NEXT:    addq $32, %rcx  
  ; CHECK-NEXT:    cmpq %rcx, %rax  
  ; CHECK-NEXT:    jne .LBB8_1
entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
  %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
  %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
  %4 = getelementptr inbounds i8, i8* %0, i64 %index
  %5 = bitcast i8* %4 to <32 x i8>*
  %wide.load = load <32 x i8>, <32 x i8>* %5, align 1
  %6 = sext <32 x i8> %wide.load to <32 x i32>
  %7 = getelementptr inbounds i8, i8* %1, i64 %index
  %8 = bitcast i8* %7 to <32 x i8>*
  %wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
  %9 = sext <32 x i8> %wide.load14 to <32 x i32>
  %10 = mul nsw <32 x i32> %9, %6
  %11 = add nsw <32 x i32> %10, %vec.phi
  %index.next = add i64 %index, 32
  %12 = icmp eq i64 %index.next, %3
  br i1 %12, label %middle.block, label %vector.body

middle.block:
  %rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> undef, <32 x i32>, <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 unde
define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" 
{
    ; CHECK-LABEL: _Z9test_charPcS_i_512:
    ; CHECK:   # %bb.0: # %entry
    ; CHECK-NEXT: movl %edx, %eax
    ; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT: xorl %ecx, %ecx
    ; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT: .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB9_1: # %vector.body
    ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vpmovsxbw (%rdi,%rcx), %zmm2
    ; CHECK-NEXT:    vpmovsxbw (%rsi,%rcx), %zmm3
    ; CHECK-NEXT:    vpmaddwd %zmm2, %zmm3, %zmm2
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm2, %zmm1
    ; CHECK-NEXT:    addq $32, %rcx
    ; CHECK-NEXT:    cmpq %rcx, %rax
    ; CHECK-NEXT:    jne .LBB9_1
    ; CHECK-NEXT:  # %bb.2: # %middle.block
    ; CHECK-NEXT:    vpaddd %zmm0, %zmm1, %zmm0
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %xmm1
    ; CHECK-NEXT:    vpaddd %zmm1, %zmm0, %zmm0
    ; CHECK-NEXT:    vextracti128 $1, %zmm0, %xmm1
    ; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
    ; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
    ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
    ; CHECK-NEXT:    vpaddd %xmm1, %xmm0, %xmm0
    ; CHECK-NEXT:    vmovd %xmm0, %eax
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:  entry:
    retq
}
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx15 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx15, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx17 = add <32 x i32> %bin.rdx15, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx17, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx19 = add <32 x i32> %bin.rdx17, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx19, i32 0
ret i32 %13
@a = global [1024 x i8] zeroinitializer, align 16
@b = global [1024 x i8] zeroinitializer, align 16

define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
    ; CHECK-LABEL: sad_16i8_256:
    ; CHECK:      # %bb.0: # %entry
    ; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
    ; CHECK-NEXT:  movq $-1024, %rax # imm = 0xFC00
    ; CHECK-NEXT:  vpxor %xmm1, %xmm1, %xmm1
    ; CHECK-NEXT:    .p2align 4, 0x90
    ; CHECK-NEXT:  .LBB10_1: # %vector.body
    ; CHECK-NEXT:    ; =>This Inner Loop Header: Depth=1
    ; CHECK-NEXT:    vmovdqu a+1024(%rax), %ymm2
    ; CHECK-NEXT:    vpsadbw b+1024(%rax), %xmm2, %ymm2
    ; CHECK-NEXT:    vpadd %ymm1, %ymm2, %ymm1
    ; CHECK-NEXT:    addq $4, %rax
    ; CHECK-NEXT:    jne .LBB10_1
    ; CHECK-NEXT:      # %bb.2: # %middle.block
    ; CHECK-NEXT:    vpadd %ymm0, %ymm1, %ymm0
    ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
    ; CHECK-NEXT:    vpadd %ymm0, %xmm1, %ymm1
    ; CHECK-NEXT:    vpadd %ymm0, %ymm1, %ymm0
    ; CHECK-NEXT:    vmovd %xmm0, %eax
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    entry:
    br label %vector.body

vector.body:
%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1> %7
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

middle.block:
%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
  ; CHECK-LABEL: sad_16i8_512:
  ; CHECK:       # %bb.0: # %entry
  ; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
  ; CHECK-NEXT:  movq $-1024, %rax # imm = 0xFC00
  ; CHECK-NEXT:  .p2align 4, 0x90
  ; CHECK-NEXT:  .LBB11_1: # %vector.body
  ; CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
  ; CHECK-NEXT:  vmovdqu a+1024(%rax), %xmm1
  ; CHECK-NEXT:  vpsadbw b+1024(%rax), %xmm1, %xmm1
  ; CHECK-NEXT:  vpaddd %zmm0, %zmm1, %zmm0
  ; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:  .jne .LBB11_1
  ; CHECK-NEXT:  # %bb.2: # %middle.block
  ; CHECK-NEXT:  vextracti64x4 s1, %zmm0, %ymm1
  ; CHECK-NEXT:  vpadd %zmm1, %zmm0, %zmm0
  ; CHECK-NEXT:  vextracti128 s1, %ymm0, %xmm1
  ; CHECK-NEXT:  vpadd %xmm1, %xmm0, %xmm0
  ; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
  ; CHECK-NEXT:  vpadd %xmm1, %xmm0, %xmm0
  ; CHECK-NEXT:  vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

entry:
  br label %vector.body

vector.body:
  %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
  %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
  %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
  %1 = bitcast i8* %0 to <16 x i8>*
  %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
  %2 = zext <16 x i8> %wide.load to <16 x i32>
  %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
  %4 = bitcast i8* %3 to <16 x i8>*
  %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
  %5 = zext <16 x i8> %wide.load1 to <16 x i32>
  %6 = sub nsw <16 x i32> %2, %5
  %7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
  %8 = sub nsw <16 x i32> zeroinitializer, %6
  %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
  %10 = add nsw <16 x i32> %9, %vec.phi
  %index.next = add i64 %index, 4
  br i1 %11, label %middle.block, label %vector.body

middle.block:
  %.lcssa = phi <16 x i32> [ %10, %vector.body ]
  %rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx = add <16 x i32> %rdx, %rdx.shuf2
  %rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
  %rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
  %rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
  %bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
  %12 = extractelement <16 x i32> %bin.rdx4, i32 0
  ret i32 %12
define void @sbtol6f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbtol6f32_256:
; CHECK:    # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtdq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vcvtdq2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbtol6f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbtol6f32_512:
; CHECK:    # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @sbtol6f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbtol6f64_256:
; CHECK:    # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="512" { 
    ; CHECK-LABEL: sbto16f64_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm1
    ; CHECK-NEXT:    vextracti64x4 $1, %zmm0, %ymm0
    ; CHECK-NEXT:    vcvtdq2pd %ymm0, %zmm0
    ; CHECK-NEXT:    vmovaps %zmm0, 64(%rdi)
    ; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = sitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" { 
    ; CHECK-LABEL: ubto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:    vpsrld $31, %ymm0, %ymm0
    ; CHECK-NEXT:    vcvtdq2ps %ymm0, %ymm0
    ; CHECK-NEXT:    vpmovm2d %k0, %ymm1
    ; CHECK-NEXT:    vpsrld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vcvtdq2ps %ymm1, %ymm1
    ; CHECK-NEXT:    vmovaps %ymm1, 64(%rdi)
    ; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}
define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f32_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:   vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:   vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:   vpsrld $31, %zmm0, %zmm0
    ; CHECK-NEXT:   vcvtdq2ps %zmm0, %zmm0
    ; CHECK-NEXT:   vmovaps %zmm0, (%rdi)
    ; CHECK-NEXT:   vzeroupper
    ; CHECK-NEXT:   retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f64_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:   vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:   kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:   vpmovm2d %k1, %ym0
    ; CHECK-NEXT:   vpsrld $31, %ym0, %ym0
    ; CHECK-NEXT:   vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT:   vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT:   vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT:   vpmovm2d %k0, %ym0
    ; CHECK-NEXT:   vpsrld $31, %ym0, %ym0
    ; CHECK-NEXT:   vcvtdq2pd %ymm0, %ymm0
    ; CHECK-NEXT:   vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT:   vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT:   vmovaps %ymm0, 32(%rdi)
    ; CHECK-NEXT:   vmovaps %ymm3, (%rdi)
    ; CHECK-NEXT:   vzeroupper
    ; CHECK-NEXT:   retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f64_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:   vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:   kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:   vpmovm2d %k1, %ym0
    ; CHECK-NEXT:   vpsrld $31, %ym0, %ym0
    ; CHECK-NEXT:   vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT:   vextracti128 $1, %ymm0, %xmm0
    ; CHECK-NEXT:   vcvtdq2pd %xmm0, %ymm0
    ; CHECK-NEXT:   vmovaps %ymm0, 32(%rdi)
    ; CHECK-NEXT:   vmovaps %ymm3, (%rdi)
    ; CHECK-NEXT:   vzeroupper
    ; CHECK-NEXT:   retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x double>
    store <16 x double> %1, <16 x double>* %res
    ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f64_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  vpmovm2d %k0, %zmm0
; CHECK-NEXT:  vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT:  vcvtqd2pd %ymm0, %zmm1
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:  vcvtqd2pd %ymm0, %zmm0
; CHECK-NEXT:  vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT:  vmovaps %zmm1, (%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
; CHECK-LABEL: test_16f32toub_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vcvtqps2dq (%rdi), %ymm1
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k0
; CHECK-NEXT:  vcvtqps2dq 32(%rdi), %ymm1
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k1
; CHECK-NEXT:  kunpckbw %k0, %k1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:  retq

%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
; CHECK-LABEL: test_16f32toub_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vcvtqps2dq (%rdi), %zmm1
; CHECK-NEXT:  vpslld $31, %zmm1, %zmm1
; CHECK-NEXT:  vpmovd2m %zmm1, %k0
; CHECK-NEXT:  vcvtqps2dq 32(%rdi), %zmm1
; CHECK-NEXT:  vpslld $31, %zmm1, %zmm1
; CHECK-NEXT:  vpmovd2m %zmm1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:  retq

%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
; CHECK-LABEL: test_16f32tosb_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:   vcvttps2dq (%rdi), %ymm1
; CHECK-NEXT:   vpmovd2m %ymm1, %k0
; CHECK-NEXT:   vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:   vpmovd2m %ymm1, %k1
; CHECK-NEXT:   kunpckbw %k0, %k1, %k1
; CHECK-NEXT:   vmovdqu16 %ymm0, %ymm0 [%k1] [z]
; CHECK-NEXT:   retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {  
; CHECK-LABEL: test_16f32tosb_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:   vcvttps2dq (%rdi), %zmm1
; CHECK-NEXT:   vpmovd2m %zmm1, %k1
; CHECK-NEXT:   vmovdqu16 %ymm0, %ymm0 [%k1] [z]
; CHECK-NEXT:   retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" { 
; CHECK-LABEL: mul256:
; CHECK:       # %bb.0:
; CHECK-NEXT:   vmovdqa (%rdi), %ymm0
; CHECK-NEXT:   vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:   vmovdqa (%rsi), %ymm2
; CHECK-NEXT:   vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:   vpunpckhbw [{.*#*}] ymm4 = ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[31]
; CHECK-NEXT:   vpunpckhbw [{.*#*}] ymm5 = ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13}
define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
    ; CHECK-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
    ; CHECK-NEXT:  vmovdqa {{.*#+}} ymm5 = 
    ; CHECK-NEXT:  vpand %ymm5, %ymm4, %ymm4
    ; CHECK-NEXT:  vpunpcklwb {{.*#+}} ymm3 = 
                  ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[5],ymm3[6],ymm0[6],ymm3[7],ymm0[7],ymm3[16],ymm0[16],ymm3[17],ymm0[17],ymm3[18],ymm0[18],ymm3[19],ymm0[19],ymm3[20],ymm0[20],ymm3[21],ymm0[21],ymm3[22],ymm0[22],ymm3[23],ymm0[23]
    ; CHECK-NEXT:  vpunpcklwb {{.*#+}} ymm1 = 
                  ymm1[0],ymm0[0],ymm1[1],ymm0[1],ymm1[2],ymm0[2],ymm1[3],ymm0[3],ymm1[4],ymm0[4],ymm1[5],ymm0[5],ymm1[6],ymm0[6],ymm1[7],ymm0[7],ymm1[16],ymm0[16],ymm1[17],ymm0[17],ymm1[18],ymm0[18],ymm1[19],ymm0[19],ymm1[20],ymm0[20],ymm1[21],ymm0[21],ymm1[22],ymm0[22],ymm1[23],ymm0[23]
    ; CHECK-NEXT:  vpmullw %ymm3, %ymm1, %ymm1
    ; CHECK-NEXT:  vpand %ymm5, %ymm3, %ymm3
    ; CHECK-NEXT:  vpunpcklwb %ymm4, %ymm1, %ymm4
    ; CHECK-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
    ; CHECK-NEXT:  vpand %ymm5, %ymm3, %ymm3
    ; CHECK-NEXT:  vpunpcklwb {{.*#+}} ymm3 = 
                  ymm2[0],ymm0[0],ymm0[1],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
    ; CHECK-NEXT:  vpunpcklwb {{.*#+}} ymm0 = 
                  ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
    ; CHECK-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
    ; CHECK-NEXT:  vpand %ymm5, %ymm0, %ymm0
    ; CHECK-NEXT:  vpunpcklwb %ymm3, %ymm0, %ymm0
    ; CHECK-NEXT:  vnovdqa %ymm0, (%rdx)
    ; CHECK-NEXT:  vpmovdqa %ymm1, 32(%rdx)
    ; CHECK-NEXT:  vzeroupper
    ; CHECK-NEXT:  retq
    %d = load <64 x i8>, <64 x i8>* %a
    %e = load <64 x i8>, <64 x i8>* %b
    %f = mul <64 x i8> %d, %e
    store <64 x i8> %f, <64 x i8>* %c
    ret void
}
; CHECK-LABEL: mul512:
; CHECK:
# %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vmovdqa64 (%rsi), %zmm1
; CHECK-NEXT: vpunpckhbw {{.*#+}} zmm2 =
zmm1[8],zmm0[8],zmm1[9],zmm0[9],zmm1[10],zmm0[10],zmm1[11],zmm0[11],zmm1[12],zmm0[12],zmm1[13],
zmm0[13],zmm1[14],zmm0[14],zmm1[15],zmm0[15],zmm1[24],zmm0[24],zmm1[25],zmm0[25],zmm1[26],zmm0
[26],zmm1[27],zmm0[27],zmm1[28],zmm0[28],zmm1[29],zmm0[29],zmm1[30],zmm0[30],zmm1[31],zmm0[31],z
mm1[40],zmm0[40],zmm1[41],zmm0[41],zmm1[42],zmm0[42],zmm1[43],zmm0[43],zmm1[44],zmm0[44],zmm1[
45],zmm0[45],zmm1[46],zmm0[46],zmm1[47],zmm0[47],zmm1[56],zmm0[56],zmm1[57],zmm0[57],zmm1[58],z
mm0[58],zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0[
63]
; CHECK-NEXT: vpunpckhbw {{.*#+}} zmm3 =
zmm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
; CHECK-NEXT: vpmullw %zmm2, %zmm3, %zmm2
; CHECK-NEXT: vmovdqa64 {{.*#+}} zmm3 =
55,255,255,255,255,255]
; CHECK-NEXT: vpandq %zmm3, %zmm2, %zmm2
; CHECK-NEXT: vpunpcklbw {{.*#+}} zmm1 =
zmm1[0],zmm0[0],zmm1[1],zmm0[1],zmm1[2],zmm0[2],zmm1[3],zmm0[3],zmm1[4],zmm0[4],zmm1[5],zmm0[5]
,zmm1[6],zmm0[6],zmm1[7],zmm0[7],zmm1[16],zmm0[16],zmm1[17],zmm0[17],zmm1[18],zmm0[18],zmm1[19]
,zmm0[19],zmm1[20],zmm0[20],zmm1[21],zmm0[21],zmm1[22],zmm0[22],zmm1[23],zmm0[23],zmm1[32],zmm
0[32],zmm1[33],zmm0[33],zmm1[34],zmm0[34],zmm1[35],zmm0[35],zmm1[36],zmm0[36],zmm1[37],zmm0[37],
zmm1[38],zmm0[38],zmm1[39],zmm0[39],zmm1[48],zmm0[48],zmm1[49],zmm0[49],zmm1[50],zmm0[50],zmm1
[51],zmm0[51],zmm1[52],zmm0[52],zmm1[53],zmm0[53],zmm1[54],zmm0[54],zmm1[55],zmm0[55]
; CHECK-NEXT: vpunpcklbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-NEXT: vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpandq %zmm3, %zmm0, %zmm0
; CHECK-NEXT: vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}
; This threw an assertion at one point.
define <4 x i32> @mload_v4i32(<4 x i32> %trigger, <4 x i32>* %addr, <4 x i32> %dst) "min-legal-vectorwidth"="256" {
; CHECK-LABEL: mload_v4i32:
; CHECK:
# %bb.0:

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1.1505 spring-boot-starter-logging

2.2.2.RELEASE

1.1505.1 Available under license:

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1.1507 totem-pl-parser 3.26.1 1.el7
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Version 2, June 1991

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1.1509 jackson-dataformat-yaml 2.8.6
1.1509.1 Available under license :

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1.1510 linux-kernel 3.10.0
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Felix Domke <tmbinc@elitedvb.net>  
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com) */
/* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk) */
/* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
as needed. This means that data must always be copied to create
the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
Fix is simple: make large buffers large enough to hold entire
SDU, and leave <small_buffer_data> bytes empty at the start. Then
copy small buffer contents to head of large buffer.
Trick is to avoid fragmenting Linux, due to need for a lot of large
buffers. This is done by 2 things:
1) skb->destructor / skb->atm.recycle_buffer
combined, allow nicstar_free_rx_skb to be called to
recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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*
* M. Welsh, 6 July 1996
*
*/

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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.

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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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That's all there is to it!
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Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
Ramesh Gupta G
Fernando Guzman Lugo
Axel Haslam
Janet Head
Shivananda Hebbar
Hari Kanigeri
Tony Lindgren
Antonio Luna
Hari Nagalla
Nishanth Menon
Ameya Palande
Vijay Pasam
Gilbert Pitney
Omar Ramirez Luna
Ernesto Ramos
Chris Ring
Larry Schiefer
Rebecca Schultz Zavin
Bhavin Shah
Andy Shevchenko
Jeff Taylor
Roman Tereshonkov
Armando Uribe de Leon
Nischal Varide
Wenbiao Wang
Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
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+ many more (please mail me if you are missing in this list and would like to be mentioned)
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1.1514 httpcomponents-core 4.4.11

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*/
/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*/
The XSLT Source object is supplied as a parameter in the model and then
located during response rendering. Users can either specify
a specific entry in the model via the sourceKey property or
have Spring locate the Source object. This class also provides basic conversion
of objects into Source implementations. See here for more details.

All model parameters are passed to the XSLT Transformer as parameters.
In addition the user can configure output properties to be passed to the Transformer.

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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/tags/form/OptionTag.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/view/XmlViewResolver.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/view/feed/AbstractFeedView.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/tags/RequestContextAwareTag.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/WebContentInterceptor.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/MvcUriComponentsBuilder.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/AbstractController.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerSupport.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/resource/TransformedResource.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/tags/HtmlEscapeTag.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/annotation/ViewResolverRegistry.java
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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerSupport.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/resource/TransformedResource.java
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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/tags/form/CheckboxTag.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/tags/form/SelectTag.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/annotation/GroovyMarkupConfigurerBeanDefinitionParser.java
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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/UriComponentsBuilderMethodArgumentResolver.java
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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/view/AbstractTemplateView.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/view/ViewResolverComposite.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/DefaultServletHandlerBeanDefinitionParser.java
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* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/resource/ResourceTransformer.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerComposite.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/Controller.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/handler/RequestMatchResult.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/annotation/DelegatingWebMvcConfiguration.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/mvc/condition/RequestCondition.java
* /opt/ws_local/PERMITS_SQL/1089320995_1600118617.01/0/spring-webmvc-5-1-4-release-sources-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java

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Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', './README' or die "Opening README failed: $!";
# The copyright message is the first paragraph:
local $/ = "";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /.*\b(\d{4,})/s
  or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

  $year;
}

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

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

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>,'
  - "Development questions, bug reports, and patches should be sent to the
    Module-Build mailing list at <module-build@perl.org>.")
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

1.1523 apr 1.5.2
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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-jar/org/springframework/web/mvc/AbstractController.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-jar/org/springframework/web/mvc/method/annotation/RequestResponseBodyAdviceChain.java

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/*
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*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {link locateSource detected} during response rendering. Users can either specify
* a specific entry in the model via the {link setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {link getSourceTypes here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {link setOutputProperties output properties}
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
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* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
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  jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/support/RequestContext.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/resource/CachingResourceResolver.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/function/DefaultServerRequestBuilder.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/function/RouterFunctionBuilder.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/function/RenderingResponse.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java
* /opt/ws_local/PERMITS_SQL/1068290228_1594347506.98/0/spring-webmvc-5-2-2-release-sources-1-
jar/org/springframework/web/servlet/resource/WebJarsResourceResolver.java
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*
* Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* View technologies that support this contract can obtain an instance to
* delegate to via [@link RequestContext#getRequestDataValueProcessor()].
*
* @author Rossen Stoyanchev
* @since 3.1
*/

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1.1543 python-backports 1.0-8.el7

1.1544 qt 4.8.4
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Copyright FAQ
===============

1. I don't understand the resale restriction... What gives?

Bitstream is giving away these fonts, but wishes to ensure its
competitors can't just drop the fonts as is into a font sale system and sell them as is. It seems fair that if Bitstream can't make money from the Bitstream Vera fonts, their competitors should not be able to do so either. You can sell the fonts as part of any software package, however.

2. I want to package these fonts separately for distribution and sale as part of a larger software package or system. Can I do so?

Yes. A RPM or Debian package is a "larger software package" to begin with, and you aren't selling them independently by themselves. See 1. above.

3. Are derivative works allowed?

Yes!

4. Can I change or add to the font(s)?

Yes, but you must change the name(s) of the font(s).

5. Under what terms are derivative works allowed?

You must change the name(s) of the fonts. This is to ensure the quality of the fonts, both to protect Bitstream and Gnome. We want to ensure that if an application has opened a font specifically of these names, it gets what it expects (though of course, using fontconfig, substitutions could still could have occurred during font opening). You must include the Bitstream copyright. Additional copyrights can be added, as per copyright law. Happy Font Hacking!

6. If I have improvements for Bitstream Vera, is it possible they might get adopted in future versions?

Yes. The contract between the Gnome Foundation and Bitstream has provisions for working with Bitstream to ensure quality additions to the Bitstream Vera font family. Please contact us if you have such additions. Note, that in general, we will want such additions for the entire family, not just a single font, and that you'll have to keep both Gnome and Jim Lyles, Vera's designer, happy! To make sense to add glyphs to the font, they must be stylistically in keeping with Vera's design. Vera cannot become a "ransom note" font. Jim Lyles will be providing a document describing the design elements used in Vera, as a guide and aid for people interested in contributing to Vera.

7. I want to sell a software package that uses these fonts: Can I do so?

Sure. Bundle the fonts with your software and sell your software with the fonts. That is the intent of the copyright.
8. If applications have built the names "Bitstream Vera" into them, can I override this somehow to use fonts of my choosing?

This depends on exact details of the software. Most open source systems and software (e.g., Gnome, KDE, etc.) are now converting to use fontconfig (see www.fontconfig.org) to handle font configuration, selection and substitution; it has provisions for overriding font names and substituting alternatives. An example is provided by the supplied local.conf file, which chooses the family Bitstream Vera for "sans", "serif" and "monospace". Other software (e.g., the XFree86 core server) has other mechanisms for font substitution.

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/* */
/* */
/* * This library's function is primarily to read and display MNG * */
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/* * component! It does however offer creation and editing functionality * */
/* * at the chunk level. * */
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Upon termination of this Agreement, Licensee shall return to Digia all copies of Licensed Software that were supplied by Digia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Digia a written confirmation that this has occurred.

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Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5.1, 6, 7, 8(iv), 10, 12, 13.5, 13.6, 13.9, 13.10 and 13.11 of this Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

13.5 Entire Agreement
This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

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Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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
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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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This option is useful when you wish to copy part of the code of
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4. You may copy and distribute the Library (or a portion or
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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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,
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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.

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

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

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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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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.
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 * $Id: sha1.h 347 2003-02-23 22:11:49Z asaddi $
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Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
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Boardman, Spider
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Bowes, Keith
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Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
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The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
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; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s ;
; Test that early if conversion produces LOCR with operands of the right register classes.

define void @autogen_SD4739(i8*) { 
    ; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
    BB:
        %L34 = load i8, i8* %0
        %Cmp56 = icmp sgt i8 undef, %L34
        br label %CF246
    CF246:
        ; preds = %CF246, %BB
        %SL163 = select i1 %Cmp56, i8 %L34, i8 undef
        br i1 undef, label %CF246, label %CF248
    CF248:
        ; preds = %CF248, %CF246
        store i8 %SL163, i8* %0
        br label %CF248
}

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Developed by:

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; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
  %cmp = fcmp ogt fp128 %a, %b
  %sub = fsub fp128 %a, %b
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
  ret fp128 %res
}

define fp128 @TestFabs(fp128 %a) {
  %res = call fp128 @llvm.fabs.f128(fp128 %a)
  ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
  %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
  ret fp128 %res
}
define fp128 @TestFneg(fp128 %a) {
  %mul = fmul fp128 %a, %a
  %res = fsub fp128 0xL00000000000000008000000000000000, %mul
  ret fp128 %res
}

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<tbody>
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<td>llvm/utils/unittest/googletest</td>
</tr>
<tr>
<td>OpenBSD regex</td>
<td>llvm/lib/Support/{reg*, COPYRIGHT.regex}</td>
</tr>
<tr>
<td>pyyaml tests</td>
<td>llvm/test/YAMLParser/{*.data, LICENSE.TXT}</td>
</tr>
<tr>
<td>ARM contributions</td>
<td>llvm/lib/Target/ARM/LICENSE.TXT</td>
</tr>
<tr>
<td>md5 contributions</td>
<td>llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h</td>
</tr>
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

--------------------------------------------------------------------------
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-----
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hello world
merhaba dnya

4-Byte sequences:
Perch (Fish) Elevator!
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK0_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK1_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK2_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_HI:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
  %flt = sitofp <16 x i32> %in to <16 x double>
  %res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
  ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
  ; CHECK-LABEL: test_sitofp_fixed_shortish:
  ; CHECK-DAG: scvtf.2d v0, v0
  ; CHECK-DAG: scvtf.2d v1, v1

  ; CHECK: ret
  %flt = sitofp <4 x i64> %in to <4 x double>
  %res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
  ret <4 x double> %res
}

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; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph: ; preds = %entry
  br label %while.body

while.body: ; preds = %exit.2, %while.body.lr.ph
  %lsr.iv = phi %struct.0* %cgep22, %exit.2, undef, %while.body.lr.ph
  switch i32 undef, label %exit [ i32 1, label %sw.bb.i
      i32 2, label %sw.bb3.i
  ]

sw.bb.i: ; preds = %while.body
  unreachable

sw.bb3.i: ; preds = %while.body
unreachable

exit:       ; preds = %while.body
switch i32 undef, label %exit.2 [ 
  i32 1, label %sw.bb.i17
  i32 2, label %sw.bb3.i20
]

sw.bb.i17:  ; preds = %exit
  %0 = bitcast %struct.0* %lsr.iv to i32*
  %1 = load i32, i32* %0, align 4
  unreachable

sw.bb3.i20: ; preds = %exit
  %2 = bitcast %struct.0* %lsr.iv to i8**
  %3 = load i8*, i8** %2, align 4
  unreachable

exit.2:      ; preds = %exit
  %cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
  br label %while.body

while.end:       ; preds = %entry
  ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }

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'zlib' general purpose compression library
version 1.2.3, July 18th, 2005
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

1.1564 libplist 1.12-3.el7

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 */

/**
 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

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* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-
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  jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-
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 * Allowing them being read would mean anyone with access to the channel could get them.
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/**
 * Set the {@code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
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### 1.1569 spring-boot-starter-web

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* /opt/cola/permits/110675079_1606843259.3/0/spring-boot-autoconfigure-2-1-4-release-sources-1-jar/org/springframework/boot/autoconfigure/mongo/MongoClientSettingsBuilderCustomizer.java
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1.1585 jackson-datatype-jdk8 2.10.5
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1.1587 wildfly-clustering-infinispan-extension

14.0.1.Final

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1.1590 antlr 2.7.7

1.1591 selinux 2.5-15.el7
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1.1592 lang-mustache-client 6.8.5
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1.1593 zstd-jni 1.4.3-1

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1.1594 libusbmuxd 1.0.10-5.el7

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*
* An almost complete rewrite of MySpell for use by
* the Mozilla project has been developed by David Einstein
* (Deinst@world.std.com). David and I are now
* working on parallel development tracks to help
* our respective projects (Mozilla and OpenOffice.org
* and we will maintain full affix file and dictionary
* file compatibility and work on merging our versions
* of MySpell back into a single tree. David has been
* a significant help in improving MySpell.
*
* Special thanks also go to La'szlo' Ne'meth
* <nemethl@gyorsposta.hu> who is the author of the
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* the code to support compound words in MySpell
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/**
 * <p>Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible
 * Elasticsearch
 * version.</p>
 *
 * @param upgradeElasticsearchDomainRequest
 *        Container for request parameters to <code> <a>UpgradeElasticsearchDomain</a> </code> operation.
 * @return A Java Future containing the result of the UpgradeElasticsearchDomain operation returned by the
 * service.<br/>
 *         The CompletableFuture returned by this method can be completed exceptionally with the following
 *         exceptions.
 *         <ul>
 *         <li>BaseException An error occurred while processing the request.</li>
 *         <li>ResourceNotFoundException An exception for accessing or deleting a resource that does not exist.
 *         Gives http status code of 400.</li>
 *         <li>ResourceAlreadyExistsException An exception for creating a resource that already exists. Gives http
 *         status code of 400.</li>
 *         <li>DisabledOperationException An error occurred because the client wanted to access a not supported
 *         operation. Gives http status code of 409.</li>
 *         <li>ValidationException An exception for missing / invalid input fields. Gives http status code of 400.</li>
 *         <li>InternalException The request processing has failed because of an unknown error, exception or failure
 *         (the failure is internal to the service). Gives http status code of 500.</li>
 *         <li>SdkException Base class for all exceptions that can be thrown by the SDK (both service and client).
 *         Can be used for catch all scenarios.</li>
 *         <li>SdkClientException If any client side error occurs such as an IO related failure, failure to get
 *         credentials, etc.</li>
 *         <li>ElasticsearchException Base class for all service exceptions. Unknown exceptions will be thrown as an
 *         instance of this type.</li>
 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/DefaultElasticsearchAsyncClient.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/ElasticsearchAsyncClient.java
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 */
/**
 * Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible
 * Elasticsearch
 * version.
 * </p>
 *
 * @param upgradeElasticsearchDomainRequest
 * Container for request parameters to <code> <a>UpgradeElasticsearchDomain</a> </code> operation.
 * @return Result of the UpgradeElasticsearchDomain operation returned by the service.
 * @throws BaseException
 * An error occurred while processing the request.
 * @throws ResourceNotFoundException
 * An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
 * @throws ResourceAlreadyExistsException
 * An exception for creating a resource that already exists. Gives http status code of 400.
 * @throws DisabledOperationException
 * An error occurred because the client wanted to access a not supported operation. Gives http status code of
 * 409.
 * @throws ValidationException
 * An exception for missing / invalid input fields. Gives http status code of 400.
 * @throws InternalException

* The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
* @throws SdkException
* Base class for all exceptions that can be thrown by the SDK (both service and client). Can be used for catch all scenarios.
* @throws SdkClientException
* If any client side error occurs such as an IO related failure, failure to get credentials, etc.
* @throws ElasticsearchException
* Base class for all service exceptions. Unknown exceptions will be thrown as an instance of this type.
* @sample ElasticsearchClient.UpgradeElasticsearchDomain */

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* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/ElasticsearchClient.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/DefaultElasticsearchClient.java
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* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/model/InternalException.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/paginators/ListElasticsearchVersionsIterable.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/software/amazon/awssdk/services/elasticsearch/model/instancecountlimits.java
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* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/ESPartitionInstanceType.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/DomainInfo.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/ListElasticsearchVersionsRequest.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/DescribeReservedElasticsearchInstanceOfferingsRequest.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/NodeToNodeEncryptionOptions.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/TagListCopier.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/ElasticsearchClientBuilder.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/VPCCreatedInfoStatus.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/model/StartElasticsearchServiceSoftwareUpdateRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1.jar/software/amazon/awssdk/services/elasticsearch/transform/StartElasticsearchServiceSoftwareUpdateRequestMarshaller.java

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java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/SnapshotOptions.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/ReservedElasticsearchInstanceOffering.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/UpgradeStepItem.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/SnapshotOptionsStatus.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/EBSOptionsStatus.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/DescribeElasticsearchDomainConfigRequest.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/StorageTypeLimitListCopier.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/LogType.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/StartElasticsearchServiceSoftwareUpdateRequest.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/DefaultElasticsearchAsyncClientBuilder.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/CancelElasticsearchServiceSoftwareUpdateResponse.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/StorageType.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/AdditionalLimit.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/transform/ListDomainNamesRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/StorageTypeListCopier.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/transform/ListElasticsearchVersionsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/DescribeElasticsearchDomainResponse.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/DescribeElasticsearchDomainConfigRequestMarshalle
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/ValidationException.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/model/ElasticsearchVersionListCopier.java
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-
jar/software/amazon/awssdk/services/elasticsearch/transform/DescribeElasticsearchDomainConfigRequestMarshalle
No license file was found, but licenses were detected in source scan.

```json
{
  "customizationConfig": {
    "attachPayloadTraitToMember": [],
    "blacklistedSimpleMethods": [],
    "calculateCrc32FromCompressedData": false,
    "convenienceTypeOverloads": [],
    "customErrorCodeFieldName": null,
    "customProtocolFactoryFqcn": null,
    "customResponseMetadata": null,
    "customRetryPolicy": null,
    "customServiceMetadata": null,
    "defaultSimpleMethodTestRegion": null,
    "deprecatedOperations": [],
    "deprecatedShapes": [],
    "excludeClientCreateMethod": false,
    "modelMarshallerDefaultValueSupplier": {},
    "operationModifiers": null,
    "renameShapes": null,
    "sdkModeledExceptionBaseClassName": null,
    "sdkRequestBaseClassName": null,
    "sdkResponseBaseClassName": null,
    "serviceSpecificClientConfigClass": null,
    "serviceSpecificHttpConfig": null,
    "shapeModifiers": null,
    "shapeSubstitutions": null,
    "shareModelConfig": null,
    "skipSyncClientGeneration": false,
    "useAutoConstructList": true,
    "useAutoConstructMap": true,
    "verifiedSimpleMethods": ["deleteElasticsearchServiceRole"]
  },
  "metadata": {
    "apiVersion": "2015-01-01",
    "asyncBuilder": "DefaultElasticsearchAsyncClientBuilder",
    "asyncBuilderInterface": "ElasticsearchAsyncClientBuilder",
    "asyncClient": "DefaultElasticsearchAsyncClient",
    "asyncInterface": "ElasticsearchAsyncClient",
    "authPolicyPackageName": null,
    "authType": "V4",
    "baseBuilder": "DefaultElasticsearchBaseClientBuilder",
    "baseBuilderInterface": "ElasticsearchBaseClientBuilder",
    "baseExceptionName": "ElasticsearchException",
    "baseRequestName": "ElasticsearchRequest",
    "baseResponseName": "ElasticsearchResponse",
    "cborProtocol": false,
  }
}
```
"clientPackageName" : "elasticsearch",
"contentType" : null,
"defaultEndpoint" : null,
"defaultEndpointWithoutHttpProtocol" : null,
"defaultRegion" : null,
"descriptiveServiceName" : "Amazon Elasticsearch Service",
"documentation" : "<fullname>Amazon Elasticsearch Configuration Service</fullname> <p>Use the Amazon Elasticsearch configuration API to create, configure, and manage Elasticsearch domains.</p> <p>The endpoint for configuration service requests is region-specific: es.<i>region</i>.amazonaws.com. For example, es.us-east-1.amazonaws.com. For a current list of supported regions and endpoints, see <a href="http://docs.aws.amazon.com/general/latest/grande.html#elasticsearch-service-regions" target="_blank">Regions and Endpoints</a>.

"endpointPrefix" : "es",
"fullAuthPolicyPackageName" : "software.amazon.awssdk.services",
"fullClientPackageName" : "software.amazon.awssdk.services.elasticsearch",
"fullModelPackageName" : "software.amazon.awssdk.services.elasticsearch.model",
"fullPaginatorsPackageName" : "software.amazon.awssdk.services.elasticsearch.paginators",
"fullRequestTransformPackageName" : "software.amazon.awssdk.services.elasticsearch.transform",
"fullTransformPackageName" : "software.amazon.awssdk.services.elasticsearch.transform",
"ionProtocol" : false,
"jsonProtocol" : true,
"jsonVersion" : "1.1",
"modelPackageName" : "elasticsearch.model",
"paginatorsPackageName" : "elasticsearch.paginators",
"protocol" : "rest-json",
"requestTransformPackageName" : "elasticsearch.transform",
"requiresApiKey" : false,
"requiresIamSigners" : false,
"rootPackageName" : "software.amazon.awssdk.services",
"serviceName" : "Elasticsearch",
"signingName" : "es",
"syncBuilder" : "DefaultElasticsearchClientBuilder",
"syncBuilderInterface" : "ElasticsearchClientBuilder",
"syncClient" : "DefaultElasticsearchClient",
"syncInterface" : "ElasticsearchClient",
"transformPackageName" : "elasticsearch.transform",
"uid" : "es-2015-01-01",
"xmlProtocol" : false
},
"operations" : {
"AddTags" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "&lt;p&gt;Attaches tags to an existing Elasticsearch domain. Tags are a set of case-sensitive key value pairs. An Elasticsearch domain may have up to 10 tags. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-awssorceretagging" target="_blank"&gt; Tagging Amazon Elasticsearch Service Domains for more information.&lt;/a&gt;&lt;/p&gt;",}
"endpointTrait" : null,
"exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
}, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
}, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
}, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>"
}],
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "AddTagsRequest",
    "variableName" : "addTagsRequest",
    "variableType" : "AddTagsRequest",
    "documentation" : "<p>Container for the parameters to the <code><a>AddTags</a></code> operation. Specify the tags that you want to attach to the Elasticsearch domain.</p>",
    "simpleType" : "AddTagsRequest",
    "variableSetterType" : "AddTagsRequest"
},
"methodName" : "addTags",
"operationName" : "AddTags",
"paginated" : false,
"returnType" : {
    "returnType" : "AddTagsResponse",
    "documentation" : null
},
"syncReturnType" : "AddTagsResponse"
},
"CancelElasticsearchServiceSoftwareUpdate" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Cancels a scheduled service software update for an Amazon ES domain. You can only perform this operation before the <code>AutomatedUpdateDate</code> and when the <code>UpdateStatus</code> is in the <code>PENDING_UPDATE</code> state.</p>"
An error occurred while processing the request. 

Exception Name: InternalException

The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

Exception Name: ResourceNotFoundException

An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.

Exception Name: ValidationException

An exception for missing/invalid input fields. Gives http status code of 400.

Container for the parameters to the CancelElasticsearchServiceSoftwareUpdate operation. Specifies the name of the Elasticsearch domain that you wish to cancel a service software update on.

Contains the status of the update.
An error occurred while processing the request.

An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.

An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.

An error occurred because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.

An exception for creating a resource that already exists. Gives http status code of 400.

An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.

An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.

An exception for missing / invalid input fields. Gives http status code of 400.

The result of a CreateElasticsearchDomain operation. Contains the status of the newly created Elasticsearch domain.
"syncReturnType" : "CreateElasticsearchDomainResponse"
},
"DeleteElasticsearchDomain" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Permanently deletes the specified Elasticsearch domain and all of its data. Once a domain is deleted, it cannot be recovered."",
  "endpointTrait" : null,
  "exceptions" : [
    { "exceptionName" : "BaseException",
      "documentation" : "An error occurred while processing the request."",
      "httpStatusCode" : null
    },
    { "exceptionName" : "InternalException",
      "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service) . Gives http status code of 500."",
      "httpStatusCode" : 500
    },
    { "exceptionName" : "ResourceNotFoundException",
      "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400."",
      "httpStatusCode" : 409
    },
    { "exceptionName" : "ValidationException",
      "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400."",
      "httpStatusCode" : 400
    }
  ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DeleteElasticsearchDomainRequest",
    "variableName" : "deleteElasticsearchDomainRequest",
    "variableType" : "DeleteElasticsearchDomainRequest",
    "documentation" : "Container for the parameters to the <code>DeleteElasticsearchDomain</code> operation. Specifies the name of the Elasticsearch domain that you want to delete."
  },
  "methodName" : "deleteElasticsearchDomain",
  "operationName" : "DeleteElasticsearchDomain",
  "paginated" : false,
  "returnType" : {
    "returnType" : "DeleteElasticsearchDomainResponse",
    "documentation" : "The result of a <code>DeleteElasticsearchDomain</code> request. Contains the status of the pending deletion, or no status if the domain and all of its resources have been deleted."",
    "syncReturnType" : "DeleteElasticsearchDomainResponse"
  }
}
"DeleteElasticsearchServiceRole" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Deletes the service-linked role that Elasticsearch Service uses to manage and maintain VPC domains. Role deletion will fail if any existing VPC domains use the role. You must delete any such Elasticsearch domains before deleting the role. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-enabling-slr" target="_blank">Deleting Elasticsearch Service Role</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>",
    "endpointTrait" : null,
    "exceptions" : [ {
        "exceptionName" : "BaseException",
        "documentation" : "<p>An error occurred while processing the request.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "InternalException",
        "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
        "httpStatusCode" : 500
    }, {
        "exceptionName" : "ValidationException",
        "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
        "httpStatusCode" : 400
    } ],
    "hasBlobMemberAsPayload" : false,
    "input" : {
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        "variableType" : "DeleteElasticsearchServiceRoleRequest",
        "documentation" : null,
        "simpleType" : "DeleteElasticsearchServiceRoleRequest",
        "variableSetterType" : "DeleteElasticsearchServiceRoleRequest"
    },
    "methodName" : "deleteElasticsearchServiceRole",
    "operationName" : "DeleteElasticsearchServiceRole",
    "paginated" : false,
    "returnType" : {
        "returnType" : "DeleteElasticsearchServiceRoleResponse",
        "documentation" : null
    },
    "syncReturnType" : "DeleteElasticsearchServiceRoleResponse"
},
"DescribeElasticsearchDomain" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Returns domain configuration information about the specified Elasticsearch domain, including the domain ID, domain endpoint, and domain ARN.</p>",
    "endpointTrait" : null,
    "exceptions" : [ {
        "exceptionName" : "BaseException",
        "documentation" : "<p>An error occurred while processing the request.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "InternalException",
        "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
        "httpStatusCode" : 500
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        "exceptionName" : "ValidationException",
        "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
        "httpStatusCode" : 400
    } ],
    "hasBlobMemberAsPayload" : false,
"exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request.</p>",
"httpStatusCode" : null
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"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
}, {
"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 409
}, {
"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
},
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeElasticsearchDomainRequest",
"variableName" : "describeElasticsearchDomainRequest",
"variableType" : "DescribeElasticsearchDomainRequest",
"documentation" : "Container for the parameters to the <code><a>DescribeElasticsearchDomain</a></code> operation.",
"simpleType" : "DescribeElasticsearchDomainRequest",
"variableSetterType" : "DescribeElasticsearchDomainRequest"
},
"methodName" : "describeElasticsearchDomain",
"operationName" : "DescribeElasticsearchDomain",
"paginated" : false,
"returnType" : {
"returnType" : "DescribeElasticsearchDomainResponse",
"documentation" : "The result of a <code>DescribeElasticsearchDomain</code> request. Contains the status of the domain specified in the request.",
"syncReturnType" : "DescribeElasticsearchDomainResponse"
},
"DescribeElasticsearchDomainConfig" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "Provides cluster configuration information about the specified Elasticsearch domain, such as the state, creation date, update version, and update date for cluster options.",
"endpointTrait" : null,
"exceptions" : [ {
"exceptionName" : "BaseException",
"documentation" : "An error occurred while processing the request.",
"httpStatusCode" : null
} ]
}
"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
},

"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 409
},

"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ]
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeElasticsearchDomainConfigRequest",
"variableName" : "describeElasticsearchDomainConfigRequest",
"variableType" : "DescribeElasticsearchDomainConfigRequest",
"documentation" : "<p>Container for the parameters to the <code>DescribeElasticsearchDomainConfig</code> operation. Specifies the domain name for which you want configuration information.</p>",
"simpleType" : "DescribeElasticsearchDomainConfigRequest",
"variableSetterType" : "DescribeElasticsearchDomainConfigRequest"
},

"methodName" : "describeElasticsearchDomainConfig",
"operationName" : "DescribeElasticsearchDomainConfig",
"paginated" : false,
"returnType" : {
"returnType" : "DescribeElasticsearchDomainConfigResponse",
"documentation" : "<p>The result of a <code>DescribeElasticsearchDomainConfig</code> request. Contains the configuration information of the requested domain.</p>",
"syncReturnType" : "DescribeElasticsearchDomainConfigResponse"
},

"DescribeElasticsearchDomains" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Returns domain configuration information about the specified Elasticsearch domains, including the domain ID, domain endpoint, and domain ARN.</p>",
"endpointTrait" : null,
"exceptions" : [{
"exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request.</p>",
"httpStatusCode" : null
},

"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
},

"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 409
},

"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ]
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeElasticsearchDomainConfigRequest",
"variableName" : "describeElasticsearchDomainConfigRequest",
"variableType" : "DescribeElasticsearchDomainConfigRequest",
"documentation" : "<p>Container for the parameters to the <code>DescribeElasticsearchDomainConfig</code> operation. Specifies the domain name for which you want configuration information.</p>",
"simpleType" : "DescribeElasticsearchDomainConfigRequest",
"variableSetterType" : "DescribeElasticsearchDomainConfigRequest"
},

"methodName" : "describeElasticsearchDomainConfig",
"operationName" : "DescribeElasticsearchDomainConfig",
"paginated" : false,
"returnType" : {
"returnType" : "DescribeElasticsearchDomainConfigResponse",
"documentation" : "<p>The result of a <code>DescribeElasticsearchDomainConfig</code> request. Contains the configuration information of the requested domain.</p>",
"syncReturnType" : "DescribeElasticsearchDomainConfigResponse"
},

"DescribeElasticsearchDomains" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Returns domain configuration information about the specified Elasticsearch domains, including the domain ID, domain endpoint, and domain ARN.</p>",
"endpointTrait" : null,
"exceptions" : [{
"exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request.</p>",
"httpStatusCode" : null
},

"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
},

"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 409
},

"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ]
"hasBlobMemberAsPayload" : false,
The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

An exception for missing / invalid input fields. Gives http status code of 400.

Container for the parameters to the DescribeElasticsearchDomains operation. By default, the API returns the status of all Elasticsearch domains.

Describe Elasticsearch Limits for a given InstanceType and ElasticsearchVersion. When modifying existing Domain, specify the DomainName to know what Limits are supported for modifying.

An error occurred while processing the request.

The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

An exception for trying to create or access sub-resource that is either invalid or not
supported. Gives http status code of 409.

```
"httpStatuscode" : 409
```

},

"exceptionName" : "LimitExceededExcepction",
"documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",

"httpStatuscode" : 409
}

},

"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",

"httpStatuscode" : 400
}
]

"hasBlobMemberAsPayload" : false,

"input" : {

"variableDeclarationType" : "DescribeElasticsearchInstanceTypeLimitsRequest",

"variableName" : "describeElasticsearchInstanceTypeLimitsRequest",

"variableType" : "DescribeElasticsearchInstanceTypeLimitsRequest",

"documentation" : "<p>Container for the parameters to <code>DescribeElasticsearchInstanceTypeLimits</code> operation.</p>

"simpleType" : "DescribeElasticsearchInstanceTypeLimitsRequest",

"variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsRequest"
},

"methodName" : "describeElasticsearchInstanceTypeLimits",

"operationName" : "DescribeElasticsearchInstanceTypeLimits",

"paginated" : false,

"returnType" : {

"returnType" : "DescribeElasticsearchInstanceTypeLimitsResponse",

"documentation" : "<p>Container for the parameters received from <code>DescribeElasticsearchInstanceTypeLimits</code> operation.</p>

"simpleType" : "DescribeElasticsearchInstanceTypeLimitsRequest",

"variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsRequest"
},

"syncReturnType" : "DescribeElasticsearchInstanceTypeLimitsResponse"
]

"DescribeReservedElasticsearchInstanceOfferings" : {

"authenticated" : true,

"deprecated" : false,

"documentation" : "<p>Lists available reserved Elasticsearch instance offerings.</p>

"endpointTrait" : null,

"exceptions" : [

"exceptionName" : "ResourceNotFoundException",

"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>

"httpStatuscode" : 400
]
"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
},
"exceptionName" : "DisabledOperationException",
"documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
"httpStatusCode" : 409
},
"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service).</p> Gives http status code of 500.",
"httpStatusCode" : 500
}
],
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"variableName" : "describeReservedElasticsearchInstanceOfferingsRequest",
"variableType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"documentation" : "<p>Container for parameters to <code>DescribeReservedElasticsearchInstanceOfferings</code></p>",
"simpleType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsRequest"
},
"methodName" : "describeReservedElasticsearchInstanceOfferings",
"operationName" : "DescribeReservedElasticsearchInstanceOfferings",
"paginated" : true,
"returnType" : {
"returnType" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
"documentation" : "<p>Container for results from <code>DescribeReservedElasticsearchInstanceOfferings</code></p>",
"simpleType" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
"syncReturnType" : "DescribeReservedElasticsearchInstanceOfferingsResponse"
},
"DescribeReservedElasticsearchInstances" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Returns information about reserved Elasticsearch instances for this account.</p>",
"endpointTrait" : null,
"exceptions" : [{
"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 409
},
"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>"
"httpStatusCode": 500
},
"exceptionName": "ValidationException",
"documentation": "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode": 400
},
"exceptionName": "DisabledOperationException",
"documentation": "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
"httpStatusCode": 409
"
],
"hasBlobMemberAsPayload": false,
"input": {
"variableDeclarationType": "DescribeReservedElasticsearchInstancesRequest",
"variableName": "describeReservedElasticsearchInstancesRequest",
"variableType": "DescribeReservedElasticsearchInstancesRequest",
"documentation": "<p>Container for parameters to</p>
<code>DescribeReservedElasticsearchInstances</code></p>
"simpleType": "DescribeReservedElasticsearchInstancesRequest",
"variableSetterType": "DescribeReservedElasticsearchInstancesRequest"
},
"methodName": "describeReservedElasticsearchInstances",
"operationName": "DescribeReservedElasticsearchInstances",
"paginated": true,
"returnType": {
"returnType": "DescribeReservedElasticsearchInstancesResponse",
"documentation": "<p>Container for results from</p>
<code>DescribeReservedElasticsearchInstances</code></p>
"syncReturnType": "DescribeReservedElasticsearchInstancesResponse"
},
"GetCompatibleElasticsearchVersions": {
"authenticated": true,
"deprecated": false,
"documentation": "<p>Returns a list of upgrade compatible Elasticsearch versions. You can optionally pass a</p>
<code><a>DomainName</a></code> to get all upgrade compatible Elasticsearch versions for that specific domain.</p>
"endpointTrait": null,
"exceptions": [{
"exceptionName": "BaseException",
"documentation": "<p>An error occurred while processing the request.</p>
"httpStatusCode": null
},
"exceptionName": "ResourceNotFoundException",
"documentation": "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>
"httpStatusCode": 409
}
"exceptionName" : "DisabledOperationException",
"documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
"httpStatusCode" : 409 },

"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400 },

"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500 }],

"hasBlobMemberAsPayload" : false,

"input" : {
"variableDeclarationType" : "GetCompatibleElasticsearchVersionsRequest",
"variableName" : "getCompatibleElasticsearchVersionsRequest",
"variableType" : "GetCompatibleElasticsearchVersionsRequest",
"documentation" : "<p> Container for request parameters to <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",

"simpleType" : "GetCompatibleElasticsearchVersionsRequest",
"variableSetterType" : "GetCompatibleElasticsearchVersionsRequest"
},

"methodName" : "getCompatibleElasticsearchVersions",

"operationName" : "GetCompatibleElasticsearchVersions",
"paginated" : false,

"returnType" : {
"returnType" : "GetCompatibleElasticsearchVersionsResponse",
"documentation" : "<p> Container for response returned by <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",

"simpleType" : "GetCompatibleElasticsearchVersionsResponse",
"variableSetterType" : "GetCompatibleElasticsearchVersionsResponse"
},

"GetUpgradeHistory" : {
"authenticated" : true,

"deprecated" : false,

"documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",

"endpointTrait" : null,

"exceptions" : [

"exceptionName" : "BaseException",

"documentation" : "<p>An error occurred while processing the request.</p>",

"httpStatusCode" : null
],

"exceptionName" : "ResourceNotFoundException",

"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",

"httpStatusCode" : 400"}
"documentation" : "An exception for accessing or deleting a resource that does not exist. Gives HTTP status code of 400."},
"httpStatusCode" : 409
},
"exceptionName" : "DisabledOperationException",
"documentation" : "An error occurred because the client wanted to access a not supported operation. Gives HTTP status code of 409.",
"httpStatusCode" : 409
},
"exceptionName" : "ValidationException",
"documentation" : "An exception for missing / invalid input fields. Gives HTTP status code of 400.",
"httpStatusCode" : 400
},
"exceptionName" : "InternalException",
"documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives HTTP status code of 500.",
"httpStatusCode" : 500
}
],
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "GetUpgradeStatusRequest",
"variableName" : "getUpgradeStatusRequest",
"variableType" : "GetUpgradeStatusRequest",
"documentation" : "Container for request parameters to <code><a>GetUpgradeStatus</a></code> operation. 
"simpleType" : "GetUpgradeStatusRequest",
"variableSetterType" : "GetUpgradeStatusRequest"
},
"methodName" : "getUpgradeStatus",
"operationName" : "GetUpgradeStatus",
"paginated" : false,
"returnType" : { 
"returnType" : "GetUpgradeStatusResponse",
"documentation" : "Container for response returned by <code><a>GetUpgradeStatus</a></code> operation. 
"syncReturnType" : "GetUpgradeStatusResponse"
},
"ListDomainNames" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "Returns the name of all Elasticsearch domains owned by the current user's account.
"endpointTrait" : null,
"exceptions" : [
"exceptionName" : "BaseException",
"documentation" : "An error occurred while processing the request.
"httpStatusCode" : null
}
"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ListDomainNamesRequest",
"variableName" : "listDomainNamesRequest",
"variableType" : "ListDomainNamesRequest",
"documentation" : null,
"simpleType" : "ListDomainNamesRequest",
"variableSetterType" : "ListDomainNamesRequest"
},
"methodName" : "listDomainNames",
"operationName" : "ListDomainNames",
"paginated" : false,
"returnType" : {
"returnType" : "ListDomainNamesResponse",
"documentation" : "<p>The result of a <code>ListDomainNames</code> operation. Contains the names of all Elasticsearch domains owned by this account.</p>"
},
"syncReturnType" : "ListDomainNamesResponse"
},
"ListElasticsearchInstanceTypes" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>List all Elasticsearch instance types that are supported for given ElasticsearchVersion</p>",
"endpointTrait" : null,
"exceptions" : [
{ "exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request.</p>",
"httpStatusCode" : null
},
{ "exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
},
{ "exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 409
},
{ "exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ]
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the ListElasticsearchInstanceTypes operation."
},
"methodName" : "listElasticsearchInstanceTypes",
"operationName" : "ListElasticsearchInstanceTypes",
"paginated" : true,
"returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by ListElasticsearchInstanceTypes operation."
},
"syncReturnType" : "ListElasticsearchInstanceTypesResponse"

"ListElasticsearchVersions" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "List all supported Elasticsearch versions",
    "endpointTrait" : null,
    "exceptions" : [
        {
            "exceptionName" : "BaseException",
            "documentation" : "An error occurred while processing the request.",
            "httpStatusCode" : null
        },
        {
            "exceptionName" : "InternalException",
            "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.",
            "httpStatusCode" : 500
        },
        {
            "exceptionName" : "ResourceNotFoundException",
            "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.",
            "httpStatusCode" : 409
        },
        {
            "exceptionName" : "ValidationException",
            "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.",
            "httpStatusCode" : 400
        }
    ],
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ListElasticsearchVersionsRequest",
        "variableName" : "listElasticsearchVersionsRequest",
        "variableType" : "ListElasticsearchVersionsRequest",
        "documentation" : "Container for the parameters to the ListElasticsearchVersions operation."
    }
}
"variableName" : "ListElasticsearchVersionsRequest",
"variableType" : "ListElasticsearchVersionsRequest",
"documentation" : "<p> Container for the parameters to the <code> <a>ListElasticsearchVersions</a> </code>
operation. <p> Use <code> <a>MaxResults</a> </code> to control the maximum number of results to retrieve in a
single call. <p> Use <code> <a>NextToken</a> </code> in response to retrieve more results. If the received
response does not contain a NextToken, then there are no more results to retrieve. <p> </p>",

"simpleType" : "ListElasticsearchVersionsRequest",
"variableSetterType" : "ListElasticsearchVersionsRequest"
],
"methodName" : "ListElasticsearchVersions",
"operationName" : "ListElasticsearchVersions",
"paginated" : true,
"returnType" : {
    "returnType" : "ListElasticsearchVersionsResponse",
    "documentation" : "<p> Container for the parameters for response received from <code>
<a>ListElasticsearchVersions</a> </code> operation. <p>"",
    "syncReturnType" : "ListElasticsearchVersionsResponse"
},
"ListTags" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Returns all tags for the given Elasticsearch domain.</p>",
    "endpointTrait" : null,
    "exceptions" : [ {
        "exceptionName" : "BaseException",
        "documentation" : "<p>An error occurred while processing the request.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "ResourceNotFoundException",
        "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status
code of 400.</p>",
        "httpStatusCode" : 409
    }, {
        "exceptionName" : "ValidationException",
        "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
        "httpStatusCode" : 400
    }, {
        "exceptionName" : "InternalException",
        "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the
failure is internal to the service). Gives http status code of 500.</p>",
        "httpStatusCode" : 500
    }],
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "ListTagsRequest",
        "variableName" : "listTagsRequest",
        "variableType" : "ListTagsRequest",
    },
"documentation" : "Container for the parameters to the <code>ListTags</code> operation. Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view are attached.\</p>",
"simpleType" : "ListTagsRequest",
"variableSetterType" : "ListTagsRequest"
},
"methodName" : "listTags",
"operationName" : "ListTags",
"paginated" : false,
"returnType" : {  
"returnType" : "ListTagsResponse",
"documentation" : "The result of a <code>ListTags</code> operation. Contains tags for all requested Elasticsearch domains.\</p>"
},
"syncReturnType" : "ListTagsResponse"
},
"PurchaseReservedElasticsearchInstanceOffering" : {  
authenticated" : true,
"deprecated" : false,
"documentation" : "Allows you to purchase reserved Elasticsearch instances.\</p>",
"endpointTrait" : null,
"exceptions" : [ {  
"exceptionName" : "ResourceNotFoundException",
"documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.\</p>",
"httpStatusCode" : 409
}, {  
"exceptionName" : "ResourceAlreadyExistsException",
"documentation" : "An exception for creating a resource that already exists. Gives http status code of 400.\</p>",
"httpStatusCode" : 409
}, {  
"exceptionName" : "LimitExceededException",
"documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.\</p>",
"httpStatusCode" : 409
}, {  
"exceptionName" : "DisabledOperationException",
"documentation" : "An error occured because the client wanted to access a not supported operation. Gives http status code of 409.\</p>",
"httpStatusCode" : 409
}, {  
"exceptionName" : "ValidationException",
"documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.\</p>",
"httpStatusCode" : 400
}, {  
"exceptionName" : "InternalException",
"documentation" : "The request processing has failed because of an unknown error, exception or failure (the
failure is internal to the service). Gives http status code of 500.

```json
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "variableName" : "purchaseReservedElasticsearchInstanceOfferingRequest",
  "variableType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "documentation" : "<p>Container for parameters to
  <code>PurchaseReservedElasticsearchInstanceOffering</code> operation.</p>
},
"methodName" : "purchaseReservedElasticsearchInstanceOffering",
"operationName" : "PurchaseReservedElasticsearchInstanceOffering",
"paginated" : false,
"returnType" : {
  "returnType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "documentation" : "<p>Represents the output of a
  <code>PurchaseReservedElasticsearchInstanceOffering</code> operation.</p>
},
"syncReturnType" : "PurchaseReservedElasticsearchInstanceOfferingResponse"
}
```

```
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "RemoveTagsRequest",
  "variableName" : "removeTagsRequest",
  "variableType" : "RemoveTagsRequest",
  "documentation" : "<p>Container for the parameters to the
  <code><a>RemoveTags</a></code> operation.

<p>Removes the specified set of tags from the specified Elasticsearch domain.</p>
"authenticated" : true,
"deprecated" : false,
"endpointTrait" : null,
"exceptions" : [
  { "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  },
  { "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
  },
  { "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the
failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
  }
],
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "RemoveTagsRequest",
  "variableName" : "removeTagsRequest",
  "variableType" : "RemoveTagsRequest",
  "documentation" : "<p>Container for the parameters to the
  <code><a>RemoveTags</a></code> operation.

<p>Removes the specified set of tags from the specified Elasticsearch domain.</p>
"authenticated" : true,
"deprecated" : false,
"endpointTrait" : null,
"exceptions" : [
  { "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  },
  { "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
  },
  { "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the
failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
  }
],
"hasBlobMemberAsPayload" : false,
Specify the `<code>ARN</code>` for the Elasticsearch domain from which you want to remove the specified `<code>TagKey</code>`.

```json
"simpleType" : "RemoveTagsRequest",
"variableSetterType" : "RemoveTagsRequest"
},
"methodName" : "removeTags",
"operationName" : "RemoveTags",
"paged" : false,
"returnType" : {
  "returnType" : "RemoveTagsResponse",
  "documentation" : null
},
"syncReturnTyp" : "RemoveTagsResponse"
},
"StartElasticsearchServiceSoftwareUpdate" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Schedules a service software update for an Amazon ES domain."",
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service) . Gives http status code of 500."",
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400."",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400."",
    "httpStatusCode" : 400
  } ],
  "hasBlobMemberAsPayload" : false,
  "input" : { 
    "variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateRequest",
    "variableName" : "startElasticsearchServiceSoftwareUpdateRequest",
    "variableType" : "StartElasticsearchServiceSoftwareUpdateRequest",
    "documentation" : "Container for the parameters to the `StartElasticsearchServiceSoftwareUpdate` operation. Specifies the name of the Elasticsearch domain that you wish to schedule a service software update on."",
    "simpleType" : "StartElasticsearchServiceSoftwareUpdateRequest",
    "variableSetterType" : "StartElasticsearchServiceSoftwareUpdateRequest"
  }
}
"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
  "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.
  
  "syncReturnType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"UpdateElasticsearchDomainConfig" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances.
  
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request.
    
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
    
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
    
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "ValidationException",
    
    "httpStatusCode" : 400
  } ]],
  "hasBlobMemberAsPayload" : false,
  "input" : {
"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
  "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.
  
  "syncReturnType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"UpdateElasticsearchDomainConfig" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances. 
  
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
    
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
    
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "ValidationException",
    
    "httpStatusCode" : 400
  } ]},
  "hasBlobMemberAsPayload" : false,
  "input" : {"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
  "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.
  
  "syncReturnType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"UpdateElasticsearchDomainConfig" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances. 
  
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
    
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
    
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "ValidationException",
    
    "httpStatusCode" : 400
  } ]},
  "hasBlobMemberAsPayload" : false,
  "input" : {"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
  "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.
  
  "syncReturnType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"UpdateElasticsearchDomainConfig" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances. 
  
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
    
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
    
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "ValidationException",
    
    "httpStatusCode" : 400
  } ]},
  "hasBlobMemberAsPayload" : false,
  "input" : {"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
  "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.
  
  "syncReturnType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"UpdateElasticsearchDomainConfig" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances. 
  
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
    
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.
    
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
    
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "ValidationException",
    
    "httpStatusCode" : 400
  } ]},
  "hasBlobMemberAsPayload" : false,
  "input" : {
"variableDeclarationType" : "UpdateElasticsearchDomainConfigRequest",
"variableName" : "updateElasticsearchDomainConfigRequest",
"variableType" : "UpdateElasticsearchDomainConfigRequest",
"documentation" : "Container for the parameters to the <code><a>UpdateElasticsearchDomain</a></code> operation. Specifies the type and number of instances in the domain cluster.
"simpleType" : "UpdateElasticsearchDomainConfigRequest",
"variableSetterType" : "UpdateElasticsearchDomainConfigRequest"
},
"methodName" : "updateElasticsearchDomainConfig",
"operationName" : "UpdateElasticsearchDomainConfig",
"paginated" : false,
"returnType" : {
"returnType" : "UpdateElasticsearchDomainConfigResponse",
"documentation" : "The result of an <code>UpdateElasticsearchDomain</code> request. Contains the status of the Elasticsearch domain being updated.
"syncReturnType" : "UpdateElasticsearchDomainConfigResponse"
},
"UpgradeElasticsearchDomain" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible Elasticsearch version.
"endpointTrait" : null,
"exceptions" : [ {
"exceptionName" : "BaseException",
"documentation" : "An error occurred while processing the request.
"httpStatusCode" : null
}, {
"exceptionName" : "ResourceNotFoundException",
"documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.
"httpStatusCode" : 409
}, {
"exceptionName" : "ResourceAlreadyExistsException",
"documentation" : "An exception for creating a resource that already exists. Gives http status code of 400.
"httpStatusCode" : 409
}, {
"exceptionName" : "DisabledOperationException",
"documentation" : "An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.
"httpStatusCode" : 409
}, {
"exceptionName" : "ValidationException",
"httpStatusCode" : 400
}];
"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>
"httpStatusCode" : 500
},
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "UpgradeElasticsearchDomainRequest",
"variableName" : "upgradeElasticsearchDomainRequest",
"variableType" : "UpgradeElasticsearchDomainRequest",
"documentation" : "<p>Container for request parameters to <code><a>UpgradeElasticsearchDomain</a></code> operation. </p>
"simpleType" : "UpgradeElasticsearchDomainRequest",
"variableSetterType" : "UpgradeElasticsearchDomainRequest"
},
"methodName" : "upgradeElasticsearchDomain",
"operationName" : "UpgradeElasticsearchDomain",
"paginated" : false,
"returnType" : {
"returnType" : "UpgradeElasticsearchDomainResponse",
"documentation" : "<p>Container for response returned by <code><a>UpgradeElasticsearchDomain</a></code> operation. </p>
"syncReturnType" : "UpgradeElasticsearchDomainResponse"
},
"shapes" : {
"AccessPoliciesStatus" : {
"c2jName" : "AccessPoliciesStatus",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
 },
 "deprecated" : false,
 "documentation" : "<p>The configured access rules for the domain's document and search endpoints, and the current status of those rules.</p>
"enums" : null,
 "errorCode" : null,
 "event" : false,
 "eventStream" : false,
 "explicitEventPayloadMember" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via {@link String.Builder}.

When the {@link Consumer} completes, {@link String.Builder} is called immediately and its result is passed to {@link String.Builder|@param options(String)} a consumer that will call methods on {@link String.Builder|@return Returns a reference to this object so that method calls can be chained together.}

"deprecated": false,

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterMethodName": "options",

"getterMethodFullName": "options",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "Options",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Options",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonData": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Options",
"setterDocumentation": "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See [Configuring Access Policies](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) for more information.",
"setterMethodName": "setOptions",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "options",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "options",
    "variableType": "String",
    "documentation": null,
The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See [Configuring Access Policies](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) for more information.

The status of the access policy for the Elasticsearch domain. See [OptionStatus](#) for the status information that's included. This is a convenience that creates an instance of the [@link OptionStatus.Builder](#) avoiding the need to create one manually via [@link OptionStatus.Builder#builder()](#). When the [@link Consumer](#) completes, [@link OptionStatus.Builder#build()](#) is called immediately and its result is passed to [@link #status(OptionStatus)](#) a consumer that will call methods on [@link OptionStatus.Builder](#) Returns a reference to this object so that method calls can be chained together.

The status of the access policy for the Elasticsearch domain. See [OptionStatus](#) for the status information that's included.

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@code OptionStatus @endcode for the status information that's included.

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@code OptionStatus @endcode for the status information that's included.

@code OptionStatus @endcode for the status information that's included.
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. \n\n@param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. \n\n@param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null}
]}. "membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
  }
}

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, the method call to {@link String.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on {@link String.Builder}.

Returns a reference to this object so that method calls can be chained together.

### documentation


When the {@link Consumer} completes, the method call to {@link String.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on {@link String.Builder}.

Returns a reference to this object so that method calls can be chained together.

### getterModel


When the {@link Consumer} completes, the method call to {@link String.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on {@link String.Builder}.

Returns a reference to this object so that method calls can be chained together.
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Options",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Options",
"setterDocumentation": "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\</p>\n@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\</p>\n"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\</p>\n",
  "simpleType": "String",
  "variableSetterType": "String"
The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. When the [Consumer] completes, the [OptionStatus.Builder#build()] is called immediately and its result is passed to the [status(OptionStatus)] method. When the [OptionStatus.Builder#build()] is called, returns a reference to this object so that method calls can be chained together.

When the [OptionStatus.Builder#build()] is called, a reference to this object is returned.

The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false,
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "PolicyDocument",
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #options(String)\}. \n
- param options a consumer that will call methods on \{@link String.Builder\}\n
- return Returns a reference to this object so that method calls can be chained together. \n
- see #options(String)"

The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See \(<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information."}

- get

  - param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See \(<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n
  - return Returns a reference to this object so that method calls can be chained together."

- fluentSetterMethodName" : "options",

- fluentGetterMethodName" : "options",

- documentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See \(<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n
- return Returns a reference to this object so that method calls can be chained together."

- fluentEnumGetterMethodName" : null,

- fluentEnumSetterMethodName" : null,

- http" : {

  - additionalMarshallingPath" : null,

  - additionalUnmarshallingPath" : null,

  - flattened" : false,

  - greedy" : false,

  - header" : false,

  - isPayload" : false,

  - isStreaming" : false,

  - location" : null,

  - marshallLocation" : "PAYLOAD",

  - marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"map" : false,
"mapModel" : null,
"marshallVirtual" : "STRING",
"name" : "Options",
@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a>for more information.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus"
The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included. This is a convenience that creates an instance of the [OptionStatus.Builder] avoiding the need to create one manually via [OptionStatus#builder()]. When the `{Consumer}` completes, [OptionStatus.Builder#build()] is called immediately and its result is passed to [status(OptionStatus)].

When the `{Consumer}` completes, [OptionStatus.Builder#build()] is called immediately and its result is passed to [status(OptionStatus)].

- **return** Returns a reference to this object so that method calls can be chained together.

```java
public OptionStatus withStatus(OptionStatus status)
```

### Fluent Setter Method

The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included. When the `{Consumer}` completes, [status(OptionStatus)].

When the `{Consumer}` completes, [status(OptionStatus)].

- **return** Returns a reference to this object so that method calls can be chained together.

```java
public OptionStatus withStatus(String status)
```

### Fluent Getter Method

The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included.

```java
public OptionStatus getStatus()
```
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"setterDocumentation": "<p>The status of the access policy for the Elasticsearch domain. See &lt;code&gt;OptionStatus&lt;/code&gt; for the status information that's included. </p>
@param status The status of the access policy for the Elasticsearch domain. See &lt;code&gt;OptionStatus&lt;/code&gt; for the status information that's included.",
"setterMethodName": "setStatus",
"setterModel": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": null,
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": "The status of the access policy for the Elasticsearch domain. See &lt;code&gt;OptionStatus&lt;/code&gt; for the status information that's included.",
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["Options", "Status"],
"shapeName": "AccessPoliciesStatus",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "AccessPoliciesStatus",
"variableName": "accessPoliciesStatus",
"variableType": "AccessPoliciesStatus",
"documentation": null,
"simpleType": "AccessPoliciesStatus",
"variableSetterType": "AccessPoliciesStatus"
Container for the parameters to the <code>AddTags</code> operation. Specify the tags that you want to attach to the Elasticsearch domain.

Specify the <code>ARN</code> for which you want to add the tags.

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #arn(String)].

A consumer that will call methods on [@link String.Builder] on return Returns a reference to this object so that method calls can be chained together.

Specify the <code>ARN</code> for which you want to add the tags.

Deprecated: false

Documentation: "Specify the <code>ARN</code> for which you want to add the tags."
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
@param arn Specify the <code>ARN</code> for which you want to add the tags.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
@return Specify the <code>ARN</code> for which you want to add the tags.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ARN",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ARN",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
@param arn Specify the <code>ARN</code> for which you want to add the tags.
",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableType" : null
}
"variableSetterType" : "String"
],
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
], {
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
  "c2jName" : "TagList",
  "c2jShape" : "TagList",
  "defaultConsumerFluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>This is a convenience that creates an instance of the { @link List<Tag>.Builder} avoiding the need to create one manually via { @link List<Tag>#builder()}. When the { @link Consumer} completes, { @link List<Tag>.Builder#build()} is called immediately and its result is passed to { @link List<Tag>.Builder}.

When the { @link Consumer} completes, { @link List<Tag>.Builder#build()} is called immediately and its result is passed to { @link List<Tag>.Builder}.

@return Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)",
  "deprecated" : false,
  "documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "tagList",
  "fluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)",
  "getterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@RETURN List of <code>Tag</code> that need to be added for the Elasticsearch domain.
@see #tagList(List<Tag>)",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "TagList",
"queryString": false,
"statusCode": false,

"unmarshallLocationName": "TagList",
"uri": false,
}

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for
This is a convenience that creates an instance of the [{@link Tag.Builder}] avoiding the
need to create one manually via [{@link Tag.Builder#builder()}].
When the [{@link Consumer}] completes, [{@link Tag.Builder#build()}] is called immediately and its
result is passed to [{@link #member(Tag)}].

@see #member(Tag)",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventId": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for
The new value for the Member property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "member",
  "getterDocumentation": "Returns the value of the Member property for
The value of the Member property for this object.",
  "getterModel": {
    "returnType": "Tag",
    "documentation": null
  }
},

---

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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "Member",
  "setterDocumentation" : "Sets the value of the Member property for this object. \n  \n  @param member The new value for the Member property for this object."
    
  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : null,
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "Tag",
    "variableName" : "member",
    "variableType" : "Tag",
    "documentation" : "",
    "simpleType" : "Tag",
    "variableSetterType" : "Tag"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"setterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. 
</p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
"simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}
"
"membersAsMap" : {
  "ARN" : {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {

String.Builder#build()} is called immediately and its result is passed to {

String#builder()}. @param arn a consumer that will call methods on {

String.Builder} @return Returns a reference to this object so that
method calls can be chained together.\n@see #arn(String)


"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TagList" : {
"beanStyleGetterMethodName" : "getTagList",
"beanStyleSetterMethodName" : "setTagList",
"c2jName" : "TagList",
"c2jShape" : "TagList",
"defaultConsumerFluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>This is a convenience that creates an instance of the { @link List<Tag>.Builder} avoiding the need to create one manually via { @link List<Tag>#builder()}. When the { @link Consumer} completes, { @link List<Tag>.Builder#build()} is called immediately and its result is passed to { @link List<TagList#buildTag>}.

Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)",
"deprecated" : false,
"documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@see #tagList(List<Tag>)",
"returnType" : "java.util.List<Tag>",
"getterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. 

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@see #tagList(List<Tag>)",
"getterModel" : { 
"returnType" : "java.util.List<Tag>"},
"getterSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. 

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@see #tagList(List<Tag>)"}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TagList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag#builder()].
When the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link #member(Tag)]
@param member a consumer that will call methods on [@link Tag.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(Tag)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
}
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.\n"getterModel" : {\n"returnType" : "Tag",\n"documentation" : null\n},\n"http" : {\n"additionalMarshallingPath" : null,\n"additionalUnmarshallingPath" : null,\n"flattened" : false,\n"greedy" : false,\n"header" : false,\n"isPayload" : false,\n"isStreaming" : false,\n"location" : null,\n"marshallLocation" : "PAYLOAD",\n"marshallLocationName" : "member",\n"queryString" : false,\n"statusCode" : false,\n"unmarshallLocationName" : "member",\n"uri" : false\n},\nidempotencyToken" : false,\nisBinary" : false,\n"jsonValue" : false,\n"list" : false,\n"listModel" : null,\n"map" : false,\n"mapModel" : null,\n"marshallingType" : "SDK_POJO",\n"name" : "Member",\n"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n"setterMethodName" : "setMember",\n"setterModel" : {\n"variableDeclarationType" : "Tag",\n"variableName" : "member",\n"variableType" : "Tag",\n"documentation" : null,\n"simpleType" : "Tag",\n"variableSetterType" : "Tag"\n},\n"simple" : false,\n"timestampFormat" : null,\n"variable" : {\n"variableDeclarationType" : "Tag",\n"variableName" : "member",\n"variableType" : "Tag",\n"variableSetterType" : "Tag"\n}
"documentation": "",  
"simpleType": "Tag",  
"variableSetterType": "Tag"  
},  
"xmlNameSpaceUri": null  
},  
"memberLocationName": null,  
"memberType": "Tag",  
"map": false,  
"memberAdditionalMarshallingPath": null,  
"memberAdditionalUnmarshallingPath": null,  
"simple": false,  
"simpleType": "Tag",  
"templateImplType": "java.util.ArrayList<Tag>",  
"templateType": "java.util.List<Tag>"  
},  
"map": false,  
"mapModel": null,  
"marshallingType": "LIST",  
"name": "TagList",  
"setterDocumentation": "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain.</p>"  
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain. ",  
"setterMethodName": "setTagList",  
"setterModel": {  
"variableDeclarationType": "java.util.List<Tag>",  
"variableName": "tagList",  
"variableType": "java.util.List<Tag>",  
"documentation": null,  
"simple": false,  
"simpleType": "List<Tag>",  
"variableSetterType": "java.util.Collection<Tag>"  
},  
"simple": false,  
"timestampFormat": null,  
"variable": {  
"variableDeclarationType": "java.util.List<Tag>",  
"variableName": "tagList",  
"variableType": "java.util.List<Tag>",  
"documentation": "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain.</p>"  
},  
"simpleType": "List<Tag>",  
"variableSetterType": "java.util.Collection<Tag>"  
],  
"xmlNameSpaceUri": null  
}  
],  
"nonStreamingMembers": [ {  
"beanStyleGetterMethodName": "getArn",  
"beanStyleSetterMethodName": "setArn",  
"documentation": 
}  
]
Specify the `<code>ARN</code>` for which you want to add the tags.

This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder()`. When the consumer completes, `String.Builder#build()` is called immediately and its result is passed to `String.arn(String)`.

```java
@link String.arn(String)
```

Returns a reference to this object so that method calls can be chained together.

```java
@see #arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```

```

Specify the `<code>ARN</code>` for which you want to add the tags.

```

```

```java
@link String.arn(String)
```
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>
<br />
@param arn Specify the <code>ARN</code> for which you want to add the tags.",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
  "c2jName" : "TagList",
  "c2jShape" : "TagList",
  "defaultValueFluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>

This is a convenience that creates an instance of the [ @link List&lt;Tag&gt;.Builder] avoiding the need to create one manually via [ @link List&lt;Tag&gt;#builder()].

When the [ @link Consumer] completes, [ @link List&lt;Tag&gt;#builder()#build()] is called immediately and its result is passed to [ @link List&lt;Tag&gt;].

@returns a reference to this object so that method calls can be chained together:@see List&lt;Tag&gt;)",
  "deprecated" : false,
  "documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>

"enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "tagList",
  "fluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>

@returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "tagList"};
"getterDocumentation": "<p>List of `<code>Tag</code>` that need to be added for the Elasticsearch domain.</p>

<Typewriter>Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.</Typewriter>

@<em>return</em> List of `<code>Tag</code>` that need to be added for the
Elasticsearch domain.",

"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TagList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TagList",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": true,

"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this
object.
This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one
manually via [@link Tag.Builder()].
When the [@link Consumer] completes, [@link Tag.Builder#build()] is
called immediately and its result is passed to [@link #member(Tag)].

@param member a consumer that will call
methods on [@link Tag.Builder]
@return Returns a reference to this object so that method calls can be chained
together.
@see #member(Tag)",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this
object.
This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one
manually via [@link Tag.Builder()].
When the [@link Consumer] completes, [@link Tag.Builder#build()] is
called immediately and its result is passed to [@link #member(Tag)].

@param member a consumer that will call
methods on [@link Tag.Builder]
@return Returns a reference to this object so that method calls can be chained
together.
@see #member(Tag)",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@\n@param member
The new value for the Member property for this object.
@\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@\n@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
@\n@param member
The new value for the Member property for this object.
@\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
}.
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Tag",
   "variableName" : "member",
   "variableType" : "Tag",
   "documentation" : "",
   "simpleType" : "Tag",
   "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>
}
,"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"setterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain. ",
"setterMethodName" : "setTagList",
"setterModel" : {
   "variableDeclarationType" : "java.util.List<Tag>",
   "variableName" : "tagList",
   "variableType" : "java.util.List<Tag>",
   "documentation" : null,
   "simpleType" : "List<Tag>",
   "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.util.List<Tag>",
   "variableName" : "tagList",
   "variableType" : "java.util.List<Tag>",
   "documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
   "simpleType" : "List<Tag>",
   "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ARN", "TagList" ],
"shapeName" : "AddTagsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AddTagsRequest",
  "variableName" : "addTagsRequest",
  "variableType" : "AddTagsRequest",
  "documentation" : null,
  "simpleType" : "AddTagsRequest",
  "variableSetterType" : "AddTagsRequest"
},
"wrapper" : false
},
"AddTagsResponse" : {
  "c2jName" : "AddTagsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "nonStreamingMembers" : [ ],
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "AddTagsResponse",
    "simpleMethod" : false,
    "unmarshaller" : {

"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "AddTagsResponse",
"variableName": "addTagsResponse",
"variableType": "AddTagsResponse",
"documentation": null,
"simpleType": "AddTagsResponse",
"variableSetterType": "AddTagsResponse"
},
"wrapper": false
},
"AdditionalLimit": {
"c2jName": "AdditionalLimit",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "List of limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.

"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"marshaller": null,
"members": [
"beanStyleGetterMethodName": "getLimitName",
"beanStyleSetterMethodName": "setLimitName",
"c2jName": "LimitName",
"c2jShape": "LimitName",
"defaultConsumerFluentSetterDocumentation": "Name of Additional Limit is specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.

"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"marshaller": null,
"members": [
"beanStyleGetterMethodName": "getLimitName",
"beanStyleSetterMethodName": "setLimitName",
"c2jName": "LimitName",
"c2jShape": "LimitName",
"defaultConsumerFluentSetterDocumentation": "This attribute will present in Master node only to specify how much data nodes upto which given <code><a>ESPartitionInstanceType</a></code> can support as master node. This attribute will present in Data node only to specify how much data nodes of given <code><a>ESPartitionInstanceType</a></code> upto which you don't need any master nodes to govern them."
</ul>
</li><ul>

This is a convenience that creates an instance of the
Name of Additional Limit is specific to a given InstanceType and for each of it's <code> InstanceRole </code> etc. Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> ESPartitionInstanceType </code> can support as master node. </ul> <ul> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> ESPartitionInstanceType </code> upto which you don't need any master nodes to govern them. </ul> Returns a reference to this object so that method calls can be chained together.

```java
@link String.Builder

When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to the `@link #limitName(String)` consumer that will call methods on `@link String.Builder` to return a reference to this object so that method calls can be chained together.

```
Name of Additional Limit is specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code> etc. Attributes and their details: 

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes upto which given <code>&lt;a&gt;ESPartitionInstanceType&lt;/a&gt;</code> can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given <code>&lt;a&gt;ESPartitionInstanceType&lt;/a&gt;</code> upto which you don't need any master nodes to govern them.

```
"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
```
Name of Additional Limit is specific to a given InstanceType and for each of it's
<code>$<a>InstanceRole</a></code> etc. Attributes and their details: <br/>
<ul>
<li>MaximumNumberOfDataNodesSupported</li>
<li>MaximumNumberOfDataNodesWithoutMasterNode</li>
</ul>
This attribute will be present in Master node only to specify how much data nodes upto which given
<code>$<a>ESPartitionInstanceType</a></code> can support as master node. This attribute will be present in Data node only
to specify how much data nodes of given <code>$<a>ESPartitionInstanceType</a></code> upto which you don't need any master nodes to govern them.

Value for given <code>$<a>AdditionalLimit$LimitName</a></code>.
This is a convenience that creates an instance of the List<String>.Builder avoiding the need to create one manually via List<String>#builder().
When the List<String>.Builder#build() is called immediately and its result is passed to List<String>.Builder with a consumer that will call methods on List<String>.Builder
@see #limitValues(List<String>)

Value for given <code>$<a>AdditionalLimit$LimitName</a></code>. Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

Returns a reference to this object so that method calls can be chained together.

Value for given <code>$<a>AdditionalLimit$LimitName</a></code>.

Returns a reference to this object so that method calls can be chained together.

Value for given <code>$<a>AdditionalLimit$LimitName</a></code>. Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

Returns a reference to this object so that method calls can be chained together.


"getterDocumentation" : "Returns the value of the Member property for this object.
\n@return The value of the Member property for this object.\n",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"setterDocumentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@param limitValues Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .",
"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@param limitValues Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "LimitName" : {
    "beanStyleGetterMethodName" : "getLimitName",
    "beanStyleSetterMethodName" : "setLimitName",
    "c2jName" : "LimitName",
    "setterMethodName" : "setLimitName",
    "setterModel" : {
      "variableDeclarationType" : "java.util.List<String>",
      "variableName" : "limitValues",
      "variableType" : "java.util.List<String>",
      "documentation" : null,
      "simpleType" : "List<String>",
      "variableSetterType" : "java.util.Collection<String>"
    },
    "xmlNameSpaceUri" : null
  }
}
"c2jShape" : "LimitName",

defaultConsumerFluentSetterDocumentation" : 
"<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. Attributes and their details: <br/>
<ul>
<li>MaximumNumberOfDataNodesSupported</li>
This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <br/>
</ul>
MaximumNumberOfDataNodesWithoutMasterNode</li>
This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul> 

</p>

This is a convenience that creates an instance of the <code>{@link String.Builder}</code> avoiding the need to create one manually via <code>{@link String#builder()}</code>. When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>.

@deprecated 
@see #limitName(String)

When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>. When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>.

@deprecated 
@see #limitName(String)

When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>.

@deprecated 
@see #limitName(String)

When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>.

@deprecated 
@see #limitName(String)

When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>.

@deprecated 
@see #limitName(String)

When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #limitName(String)}</code>.
InstanceType and for each of it's `<code>` `<a>` InstanceRole `</a>` `<code>` etc. `<br/>
<ul>` `<li>` MaximumNumberOfDataNodesSupported `</li>` This attribute will be present in Master node only to specify how many data nodes upto which given `<code>` `<a>` ESPartitionInstanceType `</a>` `<code>` can support as master node. `<li>` MaximumNumberOfDataNodesWithoutMasterNode `</li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `<a>` ESPartitionInstanceType `</a>` `<code>` upto which you don't need any master nodes to govern them. `<ul>`

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LimitName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LimitName",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "STRING",

"name": "LimitName",

"setterDocumentation": "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's `<code>` `<a>` InstanceRole `</a>` `<code>` etc. `<br/>
<ul>` `<li>` MaximumNumberOfDataNodesSupported `</li>` This attribute will be present in Master node only to specify how many data nodes upto which given `<code>` `<a>` ESPartitionInstanceType `</a>` `<code>` can support as master node. `<li>` MaximumNumberOfDataNodesWithoutMasterNode `</li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `<a>` ESPartitionInstanceType `</a>` `<code>` upto which you don't need any master nodes to govern them. `<ul>` `@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's `<code>` `<a>` InstanceRole `</a>` `<code>` etc. `<br/>
<ul>` `<li>` MaximumNumberOfDataNodesSupported `</li>` This attribute will be present in Master node only to specify how many data nodes upto which given `<code>` `<a>` ESPartitionInstanceType `</a>` `<code>` can support as master node. `<li>` MaximumNumberOfDataNodesWithoutMasterNode `</li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `<a>` ESPartitionInstanceType `</a>` `<code>` upto which you don't need any master nodes to govern them. `</ul>`",

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"setterMethodName" : "setLimitName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "limitName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "limitName",
    "variableType" : "String",
    "documentation" : "Name of Additional Limit is specific to a given InstanceType and for each of it's<br>Attributes and their details: <ul><li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. <ul>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LimitValues" : {
    "beanStyleGetterMethodName" : "getLimitValues",
    "beanStyleSetterMethodName" : "setLimitValues",
    "c2jName" : "LimitValues",
    "c2jShape" : "LimitValueList",
    "defaultConsumerFluentSetterDocumentation" : "Value for given <code>AdditionalLimit$LimitName</code>. This is a convenience that creates an instance of the <code>List<String>.Builder</code> avoiding the need to create one manually via <code>builder().</code> When the <code>Consumer</code> completes, <code>builder().build()</code> is called immediately and its result is passed to <code>limitValues(List<String>)</code>.<p>
    "deprecated" : false,
    "documentation" : "Value for given <code>AdditionalLimit$LimitName</code>.<p>
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "limitValues",
    "fluentSetterDocumentation" : "Value for given <code>AdditionalLimit$LimitName</code>.<p>
@param limitValues Value for given <code>AdditionalLimit$LimitName</code>. 

Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "Value for given <code>AdditionalLimit$LimitName</code>."

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

Returns Value for given <code>AdditionalLimit$LimitName</code>.

"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].

When the [Consumer] completes, [String.Builder] is called immediately and its result is passed to [String.Builder#build()]

@deprecated Returns a reference to this object so that method calls can be chained together.

"documentation" : "",

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@method"
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,"
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
}
,"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"setterDocumentation" : "<p> Value for given <code><a>AdditionalLimit$LimitName</a></code> </p>.
@param limitValues Value for given <code><a>AdditionalLimit$LimitName</a></code> .",
"setterMethodName" : "setLimitValues",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : "<p> Value for given <code><a>AdditionalLimit$LimitName</a></code> </p>.
@code>.
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getLimitName",
  "beanStyleSetterMethodName" : "setLimitName",
  "c2jName" : "LimitName",
  "c2jShape" : "LimitName",
  "defaultConsumerFluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's code InstanceRole code etc. Attributes and their details: <br/> <li>MaximumNumberOfDataNodesSupported </li> This attribute will be present in Master node only to specify how much data nodes upto which given code ESPartitionInstanceType code can support as master node. <br/> <li>MaximumNumberOfDataNodesWithoutMasterNode </li> This attribute will be present in Data node only to specify how much data nodes of given code ESPartitionInstanceType code upto which you don't need any master nodes to govern them. <br/> <p>\n\nThis is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\n\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link limitName(String)].\n\n@paramref limitName a consumer that will call methods on [ @link String.Builder]\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #limitName(String)"
  
  "deprecated" : false,
  "documentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's code InstanceRole code etc. Attributes and their details: <br/> <li>MaximumNumberOfDataNodesSupported </li> This attribute will be present in Master node only to specify how much data nodes upto which given code ESPartitionInstanceType code can support as master node. 
  
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "limitName",
  "fluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's code InstanceRole code etc. Attributes and their details: <br/> <li>MaximumNumberOfDataNodesSupported </li> This attribute will be present in Master node only to specify how much data nodes upto which given code ESPartitionInstanceType code can support as master node. 
  
  "enumType" : null,
calls can be chained together.

"fluentSetterMethodName" : "limitName",
"getterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's 
<code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify 
how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master 
node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only 
to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't 
need any master nodes to govern them. </ul> @return Name of Additional Limit is specific to a given 
InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: 
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to 
specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master 
ode. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data 
ode only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which 
you don't need any master nodes to govern them. </ul>";

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"setterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's 
<code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify 
how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master 
node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify 
how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't 
need any master nodes to govern them. </ul>";

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This attribute will be present in Data node only to specify how much data nodes of given instance type and for each of it's instance role etc. Attributes and their details:

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes of given instance type can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given instance type upto which you don't need any master nodes to govern them.

**Name of Additional Limit is specific to a given InstanceType and for each of it's InstanceRole etc.**

**Attributes and their details:**

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes of given instance type can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given instance type upto which you don't need any master nodes to govern them.

**Value for given instance type**

This is a convenience that creates an instance of the{@link List<String>}.Builder avoiding the need to create one manually via{@link List<String>#builder()}. When the{@link Consumer} completes,{@link List<String>}.Builder#build() is called immediately and its result is passed to{@link #limitValues(List<String>)}. Returns a reference to this object so that method calls can be chained together.

```java
@deprecated
```

```java
public List<String> limitValues(List<String> limitValues) {
    return limitValues;
}
```
"documentation" : "&lt;p&gt; Value for given &lt;code&gt; &lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt; &lt;/code&gt; . &lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "&lt;p&gt; Value for given &lt;code&gt; &lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt; &lt;/code&gt; . &lt;/p&gt;\n&lt;param&gt; limitValues Value for given &lt;code&gt; &lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt; &lt;/code&gt; .\n&lt;/param&gt;\n
Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "limitValues",
"getterDocumentation" : "&lt;p&gt; Value for given &lt;code&gt; &lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt; &lt;/code&gt; .

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n&lt;/p&gt;\n&lt;return&gt; Value for given &lt;code&gt; &lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt; &lt;/code&gt; .\n&lt;/return&gt;",
"getterModel" : {
  "returnType" : "java.util.List&lt;String&gt;",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the String.Builder} avoiding the need to create one manually via {String.builder()}. When the Consumer completes, String.Builder.build() is called immediately and its result is passed to {member(String)}

@returns

@see

The new value for the Member property for this object.

@returns

The value of the Member property for this object.


"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"setterDocumentation" : "<p> Value for given <code><a>AdditionalLimit$LimitName</a></code>. </p>
@param limitValues Value for given <code><a>AdditionalLimit$LimitName</a></code>.

"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "java.util.List<String>",
"variableName": "limitValues",
"variableType": "java.util.List<String>",
"documentation": "Value for given <code>&lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt;</code>.",
"simpleType": "List/String",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null,
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AdditionalLimit",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null,
"variable": {
"variableDeclarationType": "AdditionalLimit",
"variableName": "additionalLimit",
"variableType": "AdditionalLimit",
"documentation": null,
"simpleType": "AdditionalLimit",
"variableSetterType": "AdditionalLimit",
"wrapper": false,
"AdvancedOptionsStatus": {
"c2jName": "AdvancedOptionsStatus",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "Status of the advanced options for the specified Elasticsearch domain. Currently, the following advanced options are available: <ul><li>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options">Configuration Advanced Options</a> for more information.</li><li>Option to specify the percentage of heap space that is allocated to field data. By default, this setting is unbounded.</li></ul>For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/...
<p>Specifies the status of advanced options for the specified Elasticsearch domain.</p>

This is a convenience that creates an instance of the { @link Map<String, String>.Builder} avoiding the need to create one manually via { @link Map<String, String>.Builder#builder()}.

When the { @link Consumer} completes, { @link Map<String, String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String, String>)}. { @link #options options a consumer that will call methods on { @link Map<String, String>.Builder} @n@return Returns a reference to this object so that method calls can be chained together.}

{ @see #options(Map<String, String>)}

"deprecated" : false,
"documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
When the { @link Consumer} completes, { @link Map<String, String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String, String>)}. { @link #options options a consumer that will call methods on { @link Map<String, String>.Builder} @n@return Returns a reference to this object so that method calls can be chained together.}

{ @see #options(Map<String, String>)}

"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
When the { @link Consumer} completes, { @link Map<String, String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String, String>)}. { @link #options options a consumer that will call methods on { @link Map<String, String>.Builder} @n@return Returns a reference to this object so that method calls can be chained together.}

{ @see #options(Map<String, String>)}

"getterModel" : {
    "returnType" : "java.util.Map<String, String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : null,
    "members" : [ 
        { 
            "beanStyleGetterMethodName" : "getOptions",
            "beanStyleSetterMethodName" : "setOptions",
            "c2jName" : "Options",
            "c2jShape" : "AdvancedOptions",
            "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link Map<String, String>.Builder} avoiding the need to create one manually via { @link Map<String, String>.Builder#builder()}.

When the { @link Consumer} completes, { @link Map<String, String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String, String>)}. { @link #options options a consumer that will call methods on { @link Map<String, String>.Builder} @n@return Returns a reference to this object so that method calls can be chained together.}

{ @see #options(Map<String, String>)}

"deprecated" : false,
"documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. 
@n@return Specifies the status of advanced options for the specified Elasticsearch domain.
@n@param options Specifies the status of advanced options for the specified Elasticsearch domain.
@n@return Specifies the status of advanced options for the specified Elasticsearch domain.
"}

{ @see #options(Map<String, String>)}

"http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #key(String) \}. \n\n@param key a consumer that will call methods on \{ @link String.Builder \}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)"
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "key",
   "fluentSetterDocumentation" : "Sets the value of the Key property for this object. The new value for the Key property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
   "fluentSetterMethodName" : "key",
   "getterDocumentation" : "Returns the value of the Key property for this object.\n\n@return The value of the
Key property for this object.

```
getterModel: {
  "returnType": "String",
  "documentation": null
},
http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "key",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "key",
  "uri": false
},
idempotencyToken: false,
isBinary: false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
timestampFormat: null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
```
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}. @param value a consumer that will call methods on {@link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n@returns The value of the Value property for this object."
},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "Options",
"setterDocumentation": "<p>Specifies the status of advanced options for the specified Elasticsearch domain.</p>

@param options Specifies the status of advanced options for the specified Elasticsearch domain.
",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
"simpleType": "Map<String,String>",
"variableSetterType": "java.util.Map<String,String>",
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>",
  "documentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the
{@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, the consumer will call methods on the builder.

@param status a consumer that will call methods on the builder
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)
@deprecated"
  "documentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
"enumType": null,
"eventHeader": false,
"eventPayload": false,
  "fluentEnumGetterMethodName": "null",
  "fluentEnumSetterMethodName": "null",
  "fluentGetterMethodName": "status",
  "fluentSetterDocumentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
"getterDocumentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
@return Returns a reference to this object so that method calls can be chained together.".
  "getterSetterMethodName": "status",

  "http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.</p>
@param status Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain."
,"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "&lt;p&gt; Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.&lt;/p&gt;",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "AdvancedOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\n    This is a convenience that creates an instance of the { @link Map<String,String>.Builder } avoiding the need to create one manually via { @link Map<String,String>#builder() }.\n    When the { @link Consumer } completes, { @link Map<String,String>.Builder#build() } is called immediately and its result is passed to { @link Map<String,String>.Builder#build() }\n    \n    @param options a consumer that will call methods on { @link Map<String,String>.Builder }\n    \n    @return Returns a reference to this object so that method calls can be chained together.\n    \n    @see #options(Map<String,String>)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\n    
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\n    
    @param options Specifies the status of advanced options for the specified Elasticsearch domain.\n    \n    @return Returns a reference to this object so that method calls can be chained together.\n    
    @see #options(Map<String,String>)",
    "getterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\n    Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n    
    @return Specifies the status of advanced options for the specified Elasticsearch domain.\n    @see #options(Map<String,String>)",
    "getterModel" : {
      "returnType" : "java.util.Map<String,String>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "Options",
      "queryString" : false,
      "statusCode" : false,
      "statusType" : null
    }
  }
}
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@param key a consumer that will call methods on { @link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "getKey",
  "fluentEnumSetterMethodName" : "setKey",
  "c2jName" : "key",
  "c2jShape" : "String",
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThe new value for the Key property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together. ".
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.\n\nThe value of the Key property for this object.\n\n@return Returns a reference to this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String"}
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link #builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #value(String)].

@param value a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.

@see #value(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #value(String)]. The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@return The value of the Value property for this object.

getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "value",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "value",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING"
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "Options",
"setterDocumentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain.
@param options Specifies the status of advanced options for the specified Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>",
"xmlnsNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.  
This is a convenience that creates an instance of the  
{@link OptionStatus.Builder} avoiding the need to create one manually via  
{@link OptionStatus#builder()}. When the  
{@link Consumer} completes,  
{@link OptionStatus.Builder#build()} is called immediately and its result is passed to  
{@link #status(OptionStatus)}. 
When the  
{@link OptionStatus.Builder} completes,  
@return Returns a reference to this object so that method calls can be chained together. 
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. 
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. 
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD"},
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<p>Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.</p>

```java
public class Status {
    private OptionStatus status;

    public Status() {
        this.status = new OptionStatus();
    }

    public void setStatus(OptionStatus status) {
        this.status = status;
    }

    public OptionStatus getStatus() {
        return this.status;
    }
}
```

This is a convenience that creates an instance of the {link AdvancedOptions}.
Map<String,Builder> avoiding the need to create one manually via { @link
Map<String,Builder>#builder() }. When the { @link Consumer } completes, { @link
Map<String,Builder>.Builder#build() } is called immediately and its result is passed to { @link
#options(Map<String,String>) }. @param options a consumer that will call methods on { @link
Map<String,Builder>.Builder#build() } returns a reference to this object so that method calls can be chained
together. @see #options(Map<String,String>)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterMethodName" : "options",
  "getterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch
domain. Returns a reference to this object so that method calls can be chained together. </p>",
  "getterModel" : {
    "returnType" : "java.util.Map<String,String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Options",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.

When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #key(String) \}.

@param key a consumer that will call methods on \{ @link String.Builder \}.

@return Returns a reference to this object so that method calls can be chained together.\n
@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\n
@return The value of the Key property for this object."
  },
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@\n\n@param key The new value for the Key property for this object.\n",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\nThis is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String#builder()}.\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #value(String)}.\n@\n\n@param value a consumer that will call methods on {\link String.Builder}\n@\n\n@return Returns a reference to this object so that method calls can be chained together.\n@\n\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n@\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n@\n@return The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n@\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>",
"marshallingType" : "MAP",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p><p>@param options Specifies the status of advanced options for the specified Elasticsearch domain.</p>",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.Map<String,String>",
    "variableName" : "options",
    "variableType" : "java.util.Map<String,String>",
    "documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>",
    "simpleType" : "Map<String,String>",
    "variableSetterType" : "java.util.Map<String,String>",
    "xmlNameSpaceUri" : null
  }
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for
This is a convenience that creates an instance of the [OptionStatus.Builder] avoiding the need to create one manually via [OptionStatus#builder()].

When the [Consumer] completes, [OptionStatus.Builder#build()] is called immediately and its result is passed to [status(OptionStatus)].

@see {status(OptionStatus)}
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>
@\n@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>"
},
"xmlNameSpaceUri" : null
}]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "AdvancedOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {},
"flattened" : false,
"resultWrapper" : null
}]
"variable" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptionsStatus",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : null,
  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"wrapper" : false
}
"BaseException" : {
  "c2jName" : "BaseException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>An error occurred while processing the request.</p>",
  "enums" : null,
  "errorCode" : "BaseException",
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "BaseException",
  "simpleMethod" : false,
  "unmarshaller" : null,
  "variable" : {
    "variableDeclarationType" : "BaseException",
    "variableName" : "baseException",
    "variableType" : "BaseException",
    "documentation" : null,
    "simpleType" : "BaseException",
    "variableSetterType" : "BaseException"
  },
  "wrapper" : false
},
"CancelElasticsearchServiceSoftwareUpdateRequest" : {
  "c2jName" : "CancelElasticsearchServiceSoftwareUpdateRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the
<code>CancelElasticsearchServiceSoftwareUpdate</code> operation. Specifies the name of the
Elasticsearch domain that you wish to cancel a service software update on.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
"action" : "CancelElasticsearchServiceSoftwareUpdate",
"locationName" : null,
"requestUri" : "/2015-01-01/es/serviceSoftwareUpdate/cancel",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
},
"members" : [
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest
service software update on.</p>

This is a convenience that creates an instance of the {
@link String.Builder
}

avoiding the need to create one manually via {
@link String#builder()
}. When the {
@link Consumer
} completes,
{
@link String.Builder#build()
} is called immediately and its result is passed to {
@link
#domainName(String)
}.{
@link
@return

Returns a reference to this object so that method calls can be chained together.
@see
#domainName(String)
".
"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to stop the latest service software update
on.</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software
update on.</p>

"param domainName The name of the domain that you want to stop the latest service software
update on.{
@link
@return

Returns a reference to this object so that method calls can be chained together.
".
"param domainName The name of the domain that you want to stop the latest service software
update on.{
@link
@return

Returns a reference to this object so that method calls can be chained together.

"param domainName The name of the domain that you want to stop the latest service software
update on. { }
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "\n\n<p>The name of the domain that you want to stop the latest service software update on.</p>
\n\n@return The name of the domain that you want to stop the latest service software update on."
,
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "\n\n<p>The name of the domain that you want to stop the latest service software update on.</p>
\n\n@param domainName The name of the domain that you want to stop the latest service software update on."
,
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",

"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultValueFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes,{@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}. When the consumer completes, the result is passed to {@link #domainName(String)}.

@see #domainName(String)
"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
"@param domainName The name of the domain that you want to stop the latest service software update on.
@see #domainName(String)
"getDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@n@param domainName The name of the domain that you want to stop the latest service software update on.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "complexType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
  "complexType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
,"nonStreamingMembers" : [
  { "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "xmlNameSpaceUri" : null
  }
]
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.

@returns a reference to this object so that method calls can be chained together.

@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>

enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>

@param domainName The name of the domain that you want to stop the latest service software update on.

@returns a reference to this object so that method calls can be chained together.

@see #domainName(String)",
"getterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.

@return The name of the domain that you want to stop the latest service software update on.

getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
The name of the domain that you want to stop the latest service software update on.

The name of the domain that you want to stop the latest service software update on.
"artificialResultWrapper" : null,
"skipGeneratingUnmarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingMarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "The result of a <code>CancelElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update."
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch service software update."
"deprecated" : false,
"documentation" : "The current status of the Elasticsearch service software update."
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch service software update."
"getterDocumentation" : "The current status of the Elasticsearch service software update."
"getterModel" : {
"returnType" : "ServiceSoftwareOptions",
"references" : [ ]
}
"documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ServiceSoftwareOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ServiceSoftwareOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"setterDocumentation" : "&lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;&lt;n&gt;&lt;param
serviceSoftwareOptions The current status of the Elasticsearch service software update.&lt;/n&gt;",
  
  &lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;",
  
  "setterMethodname" : "setServiceSoftwareOptions",
  "setterModel" : {

  "variableDeclarationsType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

  "variableDeclarationsType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "&lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;&lt;n&gt;
  
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions""},
}
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"ServiceSoftwareOptions" : {
"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
This is a convenience that creates an instance of the [ @link ServiceSoftwareOptions.Builder] avoiding the need to create one manually via [ @link ServiceSoftwareOptions#builder()].
When the [ @link Consumer] completes, [ @link ServiceSoftwareOptions.Builder#build()] is called immediately and its result is passed to [ @link #serviceSoftwareOptions(ServiceSoftwareOptions)].
@para serviceSoftwareOptions a consumer that will call methods on [ @link ServiceSoftwareOptions.Builder] return Returns a reference to this object so that method calls can be chained together. see #serviceSoftwareOptions(ServiceSoftwareOptions)
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@para serviceSoftwareOptions The current status of the Elasticsearch service software update.
return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
getter return The current status of the Elasticsearch service software update.
"getterModel" : {
"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"setterDocumentation" : "The current status of the Elasticsearch service software update.

@see #serviceSoftwareOptions

@returns Returns a reference to this object so that method calls can be chained together.

@see #serviceSoftwareOptions",
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "The current status of the Elasticsearch service software update.

This is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {@link ServiceSoftwareOptions#builder()}

When the {@link Consumer} completes, {@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on a consumer that will call methods on the object so that method calls can be chained together.

@returns Returns a reference to this object so that method calls can be chained together.

@see #serviceSoftwareOptions",
"variableModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
    "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
    "c2jName" : "ServiceSoftwareOptions",
    "c2jShape" : "ServiceSoftwareOptions",
    "defaultConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch service software update.

This is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via the {

When the consumer completes, the {

is called immediately and its result is passed to a consumer that will call methods on the object so that method calls can be chained together.

@returns Returns a reference to this object so that method calls can be chained together.

@see #serviceSoftwareOptions",
"deprecated" : false,
"documentation" : "The current status of the Elasticsearch service software update."}
"eventType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "serviceSoftwareOptions",
"fluentSetterMethodName": "serviceSoftwareOptions",
"getterDocumentation": "<p>The current status of the Elasticsearch service software update.</p>@param serviceSoftwareOptions The current status of the Elasticsearch service software update.
@return Returns a reference to this object so that method calls can be chained together."
"getterModel": {
  "returnType": "ServiceSoftwareOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ServiceSoftwareOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ServiceSoftwareOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ServiceSoftwareOptions",
"setterDocumentation": "<p>The current status of the Elasticsearch service software update.</p>@param serviceSoftwareOptions The current status of the Elasticsearch service software update.
@return serviceSoftwareOptions The current status of the Elasticsearch service software update.",
"setterMethodName": "setServiceSoftwareOptions",
"setterModel": {
  "variableDeclarationType": "ServiceSoftwareOptions",
  "variableName": "serviceSoftwareOptions",
  "variableType": "ServiceSoftwareOptions"}
"documentation": null,
"simpleType": "ServiceSoftwareOptions",
"variableSetterType": "ServiceSoftwareOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ServiceSoftwareOptions",
  "variableName": "serviceSoftwareOptions",
  "variableType": "ServiceSoftwareOptions",
  "documentation": "<p>The current status of the Elasticsearch service software update.</p>",
  "simpleType": "ServiceSoftwareOptions",
  "variableSetterType": "ServiceSoftwareOptions"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CancelElasticsearchServiceSoftwareUpdateResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "CancelElasticsearchServiceSoftwareUpdateResponse",
  "variableName": "cancelElasticsearchServiceSoftwareUpdateResponse",
  "variableType": "CancelElasticsearchServiceSoftwareUpdateResponse",
  "documentation": null,
  "simpleType": "CancelElasticsearchServiceSoftwareUpdateResponse",
  "variableSetterType": "CancelElasticsearchServiceSoftwareUpdateResponse"
},
"wrapper": false
},
"CognitoOptions": {
  "c2jName": "CognitoOptions",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. </p>"
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ]
"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultValueConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}. Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.
",  
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@return Specifies the option to enable Cognito for Kibana authentication.
",  
"getterModel" : { 
"returnType" : "Boolean",
"documentation" : null 
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Enabled",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Enabled",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonData": false,
"list": false,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"setterDocumentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication."
"setterMethodName": "setEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getUserPoolId",
"beanStyleSetterMethodName": "setUserPoolId",
"c2jName": "UserPoolId",
"c2jShape": "UserPoolId",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>

This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String.Builder.Builder] 

When the [ @link Consumer] completes, [ @link String.Builder.Builder#build] is called immediately and its result is passed to [ @link #userPoolId(String)]

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userPoolId a consumer that will call methods on { @link String.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see #userPoolId(String)

"deprecated": false,
"documentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "userPoolId",
"fluentSetterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together."

@see #userPoolId(String)

"setterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Specifies the Cognito user pool ID for Kibana authentication.

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UserPoolId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UserPoolId",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UserPoolId",
"setterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Specifies the Cognito user pool ID for Kibana authentication.

"setterMethodName": "setUserPoolId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "userPoolId",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "userPoolId",
   "variableType" : "String",
   "documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getIdentityPoolId",
"beanStyleSetterMethodName" : "setIdentityPoolId",
"c2jName" : "IdentityPoolId",
"c2jShape" : "IdentityPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
   This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #identityPoolId(String)}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #identityPoolId(String)}.
   @param identityPoolId a consumer that will call methods on { @link String.Builder}
   @return Returns a reference to this object so that method calls can be chained together.
   @see #identityPoolId(String)",
   "deprecated" : false,
   "documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "identityPoolId",
   "fluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
   @param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.
   @return Returns a reference to this object so that method calls can be chained together.
   ",
   "fluentSetterMethodName" : "identityPoolId",
   "getterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
   @return Specifies the Cognito identity pool ID for Kibana authentication.
   ",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "simple" : true,
   "timestampFormat" : null,
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "userPoolId",
      "variableType" : "String",
      "documentation" : null,
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "xmlNameSpaceUri" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "IdentityPoolId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "IdentityPoolId",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "IdentityPoolId",
"setterDocumentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>\n@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.",
"setterMethodName": "setIdentityPoolId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "identityPoolId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "identityPoolId",
  "variableType": "String",
  "documentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"beanStyleGetterMethodName" : "getRoleArn",
"beanStyleSetterMethodName" : "setRoleArn",
"c2jName" : "RoleArn",
"c2jShape" : "RoleArn",
"defaultConsumerFluentSetterDocumentation" : "\<p\>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\<\p\>\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\nWhen the [@link String.Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #roleArn(String)].\n@\param roleArn a consumer that will call methods on [@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #roleArn(String)\",
"deprecated" : false,
"documentation" : "\<p\>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\<\p\>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "roleArn",
"fluentSetterDocumentation" : "\<p\>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\<\p\>\n\param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\n\return Returns a reference to this object so that method calls can be chained together.\n\see #roleArn(String)\",
"getterDocumentation" : "\<p\>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\<\p\>
\return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RoleArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RoleArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "RoleArn",
"setterDocumentation": "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.<br>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
</p>

"setterMethodName": "setRoleArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "roleArn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "roleArn",
  "variableType": "String",
  "documentation": "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
</p>

  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "Enabled": {
    "beanStyleGetterMethodName": "getEnabled",
    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Cognito for Kibana authentication.<br>
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link #builder()}.

When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #enabled(Boolean)}. \n
@see #enabled(Boolean)

@deprecated"
  "documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.
</p>

  "deprecated": false,
  "documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.
</p>

  "enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;&lt;param enabled Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;&lt;return
Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "&lt;p&gt;Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;&lt;return
Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;",
"getterModel" : {  
"returnType" : "Boolean",
"documentation" : null,
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "&lt;p&gt;Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;&lt;param enabled Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;&lt;return
Specifies the option to enable Cognito for Kibana authentication.&lt;/p&gt;",
"setterMethodName" : "setEnabled",
"setterModel" : {  
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"IdentityPoolId" : {
"beanStyleGetterMethodName" : "getIdentityPoolId",
"beanStyleSetterMethodName" : "setIdentityPoolId",
"c2jName" : "IdentityPoolId",
"c2jShape" : "IdentityPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #identityPoolId(String)}. Returns a reference to this object so that method calls can be chained together.

@see #identityPoolId(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "identityPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.

@see #identityPoolId(String)",
"getterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@return Specifies the Cognito identity pool ID for Kibana authentication.

getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "IdentityPoolId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "IdentityPoolId",
"uri": false,

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "IdentityPoolId",
"setterDocumentation": "\<p>Specifies the Cognito identity pool ID for Kibana authentication.\</p>\n\n@param
identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.",
"setterMethodName": "setIdentityPoolId",
"setterModel": {
  "simple": true,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "identityPoolId",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
  }
},
"xmlNameSpaceUri": null

"RoleArn": {
  "beanStyleGetterMethodName": "getRoleArn",
  "beanStyleSetterMethodName": "setRoleArn",
  "c2jName": "RoleArn",
}
"c2jShape" : "RoleArn",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #roleArn(String)}.

@deprecated : false,
@documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@enumType" : null,
@eventHeader" : false,
@eventPayload" : false,
@fluentEnumGetterMethodName" : null,
@fluentEnumSetterMethodName" : null,
@fluentGetterMethodName" : "roleArn",
@fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
@return Returns a reference to this object so that method calls can be chained together.
@see #roleArn(String)",
@getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
@getterModel" : {
 "returnType" : "String",
 "documentation" : null
}
@http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "RoleArn",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "RoleArn",
 "uri" : false
},
@idempotencyToken" : false,
@isBinary" : false,
@jsonValue" : false,
@list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RoleArn",
"setterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.",
"setterMethodName" : "setRoleArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserPoolId" : {
  "beanStyleGetterMethodName" : "getUserPoolId",
  "beanStyleSetterMethodName" : "setUserPoolId",
  "c2jName" : "UserPoolId",
  "c2jName" : "UserPoolId",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()).}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #userPoolId(String)}.
@param userPoolId a consumer that will call methods on {@link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #userPoolId(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
","enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "userPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "userPoolId",
"getterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@return Specifies the Cognito user pool ID for Kibana authentication.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UserPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserPoolId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UserPoolId",
"setterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.",
"setterMethodName" : "setUserPoolId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userPoolId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()}) is called immediately and its result is passed to {@link #enabled(Boolean)}. enabled a consumer that will call methods on {@link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #enabled(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@return Specifies the option to enable Cognito for Kibana authentication.
@see #enabled(Boolean)",
  "getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@return Specifies the option to enable Cognito for Kibana authentication.
@see #enabled(Boolean)",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.

When the {@link Consumer} completes, {
  
  @link String.Builder
}}

When the {
  
  @link Consumer
} completes, {
  
  @link

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String.Builder#build()} is called immediately and its result is passed to {@link #userPoolId(String)}.  
@returns a consumer that will call methods on {@link String.Builder}.  
@returns Returns a reference to this object so that method calls can be chained together.  
@see #userPoolId(String)

"deprecated" : false,
"documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "userPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "userPoolId",
"getterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@returns Specifies the Cognito user pool ID for Kibana authentication.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UserPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserPoolId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UserPoolId",
"setterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@returns Specifies the Cognito user pool ID for Kibana authentication.",
"setterModel" : {
"returnType" : "String",
"documentation" : null
},
"validate" : false}
"setterMethodName" : "setUserPoolId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : "Specifies the Cognito user pool ID for Kibana authentication.
\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need
to create one manually via \{ @link String.Builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder\build\} is called immediately and its result is passed to \{ @link identityPoolId\(String\)\}.\n\n\n@see \#identityPoolId\(String\)",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getIdentityPoolId",
"beanStyleSetterMethodName" : "setIdentityPoolId",
"c2jName" : "IdentityPoolId",
"c2jShape" : "IdentityPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder\build\} is called immediately and its result is passed to \{ @link identityPoolId\(String\)\}.\n\n\n@see \#identityPoolId\(String\)",
  "deprecated" : false,
  "documentation" : "Specifies the Cognito identity pool ID for Kibana authentication.
\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need
to create one manually via \{ @link String.Builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder\build\} is called immediately and its result is passed to \{ @link identityPoolId\(String\)\}.\n\n\n@see \#identityPoolId\(String\)",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "identityPoolId",
  "fluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder\build\} is called immediately and its result is passed to \{ @link identityPoolId\(String\)\}.\n\n\n@see \#identityPoolId\(String\)",
  "getterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder\build\} is called immediately and its result is passed to \{ @link identityPoolId\(String\)\}.\n\n\n@see \#identityPoolId\(String\)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "IdentityPoolId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "IdentityPoolId",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "IdentityPoolId",
"setterDocumentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>\n@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.",
"setterMethodName": "setIdentityPoolId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "identityPoolId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "identityPoolId",
  "variableType": "String",
  "documentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources. This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()]. When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #roleArn(String)]. @param roleArn a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together. @see #roleArn(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "roleArn",
"fluentSetterMethodName" : "roleArn",
"fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources. </p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.",
"getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources. </p>
@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RoleArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RoleArn",
  "uri" : false
}
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "RoleArn",
"setterDocumentation": "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.",
"setterMethodName": "setRoleArn",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "roleArn",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "roleArn",
    "variableType": "String",
    "documentation": "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CognitoOptions",
"simpleMethod": false,
"unmarshaller": {
    "flattened": false,
    "resultWrapper": null
},
"variable": {
    "variableDeclarationType": "CognitoOptions",
    "variableName": "cognitoOptions",
    "variableType": "CognitoOptions",
    "documentation": null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"wrapper" : false
},
"CognitoOptionsStatus" : {
"c2jName" : "CognitoOptionsStatus",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Status of the Cognito options for the specified Elasticsearch domain.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation" : "$<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>$
This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()}. \n\nWhen the {@link Consumer} completes, [@link CognitoOptions.Builder#build()] is called immediately and its result is passed to [@link #options(CognitoOptions)].
@para options a consumer that will call methods on [@link CognitoOptions.Builder]
\n@return Returns a reference to this object so that method calls can be chained together.
@see #options(CognitoOptions)",
  "deprecated" : false,
  "documentation" : "$<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>$",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "$<p>Specifies the Cognito options for the specified Elasticsearch
domain.

@returns

Specifies the Cognito options for the specified Elasticsearch domain.

@see

Specify the Cognito options for the specified Elasticsearch domain.

@returns

Specifies the Cognito options for the specified Elasticsearch domain.

@see

Set the Cognito options for the specified Elasticsearch domain.

@returns

Specifies the Cognito options for the specified Elasticsearch domain.

@see

Set the Cognito options for the specified Elasticsearch domain.

@returns

Specifies the Cognito options for the specified Elasticsearch domain.

@see

Set the Cognito options for the specified Elasticsearch domain.
"variableDeclarationType" : "CognitoOptions",
"variableName" : "options",
"variableType" : "CognitoOptions",
"documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.<p>
@see #status(OptionStatus)
",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)
",
"getterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@return Specifies the status of the Cognito options for the specified Elasticsearch domain.
",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD"}
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"setterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch
domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.
",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch
domain.</p>
",
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
  "Options": {
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "CognitoOptions",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Cognito options for the specified
Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link CognitoOptions.Builder}
avoiding the need to create one manually via {@link CognitoOptions#builder()}
When the {@link Consumer}
completes, {@link CognitoOptions.Builder#build()} is called immediately and its result is passed to {@link CognitoOptions.Builder#options(CognitoOptions)}.
@returns a reference to this object so that method calls can be chained together.

## Documentation

Specifies the Cognito options for the specified Elasticsearch domain.

```java
public void options(CognitoOptions options)
```

**Deprecated**

false

**Documentation**

Specifies the Cognito options for the specified Elasticsearch domain.

```java
public CognitoOptions options()
```

**Deprecated**

false

**Documentation**

Specifies the Cognito options for the specified Elasticsearch domain.
@param options Specifies the Cognito options for the specified Elasticsearch domain.

```
"setterMethodArrayName" : "setOptions",
"setterModel" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "options",
    "variableType" : "CognitoOptions",
    "documentation" : null,
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "options",
    "variableType" : "CognitoOptions",
    "documentation" : null,
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
    "beanStyleGetterMethodName" : "getStatus",
    "beanStyleSetterMethodName" : "setStatus",
    "c2jName" : "Status",
    "c2jShape" : "OptionStatus",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus.Builder#status(OptionStatus) status} a consumer that will call methods on {@link OptionStatus.Builder}. When the status consumer is complete, {@link #status(OptionStatus)} returns a reference to this object so that method calls can be chained together.

```
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
```
"getterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
"getterMethodName" : "getOptions",
"getterModel" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "options",
    "variableType" : "CognitoOptions",
    "documentation" : null,
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "options",
    "variableType" : "CognitoOptions",
    "documentation" : null,
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
}
Specifies the status of the Cognito options for the specified Elasticsearch domain.

```
@getterModel
  returnType: "OptionStatus",
  documentation: null
}

http
  additionalMarshallingPath: null,
  additionalUnmarshallingPath: null,
  flattened: false,
  greedy: false,
  header: false,
  isPayload: false,
  isStreaming: false,
  location: null,
  marshallLocation: "PAYLOAD",
  marshallLocationName: "Status",
  queryString: false,
  statusCode: false,
  unmarshallLocationName: "Status",
  uri: false
}

idempotencyToken: false,
jsonValue: false,
list: false,
listModel: null,
map: false,
mapModel: null,
marshallingType: "SDK_POJO",
name: "Status",
setterDocumentation: "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>

@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.

@setterModel
  variableDeclarationType: "OptionStatus",
  variableName: "status",
  variableType: "OptionStatus",
  documentation: null,
  simpleType: "OptionStatus",
  variableSetterType: "OptionStatus"
}

simple: false,
timestampFormat: null,
variable: {
  variableDeclarationType: "OptionStatus",
  variableName: "status",
  variableType: "OptionStatus",
  documentation: null,
  "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain."
```
domain.</p>
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}
],
"nonStreamingMembers": [
{
"beanStyleGetterMethodName": "getOptions",
"beanStyleSetterMethodName": "setOptions",
"c2jName": "Options",
"c2jShape": "CognitoOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the <a>@link CognitoOptions.Builder</a> avoiding the need to create one manually via <a>@link CognitoOptions#builder()</a>. When the <a>@link Consumer</a> completes, <a>@link CognitoOptions.Builder#build()</a> is called immediately and its result is passed to <a>@link CognitoOptions#options(CognitoOptions)</a>.<a>@param options a consumer that will call methods on <a>@link CognitoOptions.Builder</a></a><a>@return Returns a reference to this object so that method calls can be chained together.</a><a>@see #options(CognitoOptions)"</a>,
"deprecated": false,
"documentation": "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterDocumentation": "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options Specifies the Cognito options for the specified Elasticsearch domain.
@return Specifies the Cognito options for the specified Elasticsearch domain.",
"getterDocumentation": "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@return Specifies the Cognito options for the specified Elasticsearch domain.",
"getterModel": {
"returnType": "CognitoOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options"
Specifies the Cognito options for the specified Elasticsearch domain.

@param options Specifies the Cognito options for the specified Elasticsearch domain.

@see #status(OptionStatus)
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
@\param status Specifies the status of the Cognito options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
</p>",
"getterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
@return Specifies the status of the Cognito options for the specified Elasticsearch domain.
</p>",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
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"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
@\param status Specifies the status of the Cognito options for the specified Elasticsearch domain.
</p>",
"setterMethodName" : "setStatus",
"setterModel" : {
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"variableType" : "OptionStatus"
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"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
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"simple" : false,
"timestampFormat" : null,
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"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "CognitoOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
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"variable" : {
"variableDeclarationType" : "CognitoOptionsStatus",
"variableName" : "cognitoOptionsStatus",
"variableType" : "CognitoOptionsStatus",
"documentation" : null,
"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
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"wrapper" : false
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"CompatibleVersionsMap" : {
"c2jName" : "CompatibleVersionsMap",
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"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
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"deprecated" : false,
"documentation" : "<p> A map from an <code>ElasticsearchVersion</code> to a list of compatible <code>ElasticsearchVersion</code>s to which the domain can be upgraded. </p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getSourceVersion",
  "beanStyleSetterMethodName" : "setSourceVersion",
  "c2jName" : "SourceVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
This is a convenience that creates an instance of the <code>String.Builder</code> avoiding the need to create one
manually via <code>String#builder()</code>. When the <code>String.Builder#build()</code> is called immediately and its result is passed to <code>sourceVersion(String)</code>
@param sourceVersion a consumer that will call methods on <code>String.Builder#return</code> Returns a reference to this object so that
method calls can be chained together.<code>see #sourceVersion(String)</code>",
  "deprecated" : false,
  "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>",
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  "eventType" : false,
  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "sourceVersion",
  "fluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
@param sourceVersion The current version of Elasticsearch on which a domain is.<code>return</code> Returns a reference to this object so that
method calls can be chained together.",
  "fluentSetterMethodName" : "sourceVersion",
  "getterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
@return The current version of Elasticsearch on which a domain is.
@see #sourceVersion(String)",
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    "documentation" : null
  },
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
  }
}
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "SourceVersion",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SourceVersion",
"uri": false
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"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"name": "SourceVersion",
"setterDocumentation": "<p>The current version of Elasticsearch on which a domain is.</p>
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"setterMethodName": "setSourceVersion",
"setterModel": {
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  "variableName": "sourceVersion",
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  "variableSetterType": "String"
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"variable": {
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  "variableName": "sourceVersion",
  "variableType": "String",
  "documentation": "<p>The current version of Elasticsearch on which a domain is.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNamespaceUri": null
},
"beanStyleGetterMethodName": "getTargetVersions",
"beanStyleSetterMethodName": "setTargetVersions",
"c2jName": "TargetVersions",
"c2jShape": "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the TargetVersions property for this object.\n\nThis is a convenience that creates an instance of the [\@link \ArrayList\String].Builder\navoiding the need to
create one manually via `{@link List<String>#builder()}`. When the `{@link Consumer}` completes, `{@link List<String>.Builder#build()}` is called immediately and its result is passed to `{@link #targetVersions(List<String>)}`.

When the `{@link Consumer}` completes, `{@link List<String>.Builder#build()}` is called immediately and its result is passed to `{@link #targetVersions(List<String>)}`.

`@param targetVersions a consumer that will call methods on `{@link List<String>.Builder}@return Returns a reference to this object so that method calls can be chained together.'

`@see #targetVersions(List<String>)`.

```
public void targetVersions(
    Consumer<List<String>> consumer) {
    targetVersions(ImmutableList.copyOf(ImmutableList.of()));
}
```

```
@deprecated
@see #getTargetVersions()
```

```
public List<String> targetVersions() {
    return targetVersionsBuilder().build();
}
```

The value of the `TargetVersions` property for this object.

```
public void setTargetVersions(List<String> targetVersions) {
    targetVersionsBuilder().build();
}
```

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`. Returns a reference to this object so that method calls can be chained together."

```
public List<String> getTargetVersions() {
    return targetVersionsBuilder().build();
}
```

```
private List<String> targetVersions;
```

```
private List<String> targetVersionsBuilder();
```

```
private List<String> targetVersionsBuilder() {
    return new ArrayList<String>();
}
```
null

This is a convenience that creates an instance of the \{link String.Builder\} avoiding the need to create one manually via \{link String#builder()\}. When the \{link Consumer\} completes, \{link String.Builder#build()\} is called immediately and its result is passed to \{link #member(String)\}.

@see #member(String)

The new value for the Member property for this object. @return Returns a reference to this object so that method calls can be chained together.

@see #member(String)

The value of the Member property for this object. @return The value of the Member property for this object.

http

null

@see Open Source Used In Data Center Network Manager 11.5(1) 13445

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"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.\n\n@param targetVersions The new value for the TargetVersions property for this object."
,"setterMethodName" : "setTargetVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
]
",
"membersAsMap" : {
  "SourceVersion" : {
    "beanStyleGetterMethodName" : "getSourceVersion",
    "beanStyleSetterMethodName" : "setSourceVersion",
    "c2jName" : "SourceVersion",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #sourceVersion(String)}.\n\n@param sourceVersion a consumer that will call methods on { @link String.Builder}\n\n@see #sourceVersion(String)",
    "deprecated" : false,
    "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "sourceVersion",
    "fluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
    @param sourceVersion The current version of Elasticsearch on which a domain is.\n\n@see #sourceVersion(String)",
    "fluentSetterMethodName" : "sourceVersion",
    "getterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
    @return Returns a reference to this object so that method calls can be chained together.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "variableType" : "java.util.List<String>",
      "documentation" : null,
      "simpleType" : "List<String>",
      "variableSetterType" : "java.util.Collection<String>"
    }
  }
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SourceVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "SourceVersion",
"setterDocumentation" : "The current version of Elasticsearch on which a domain is.\n@param
sourceVersion The current version of Elasticsearch on which a domain is.\n",
"setterMethodName" : "setSourceVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : "The current version of Elasticsearch on which a domain is.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetVersions" : {
"beanStyleGetterMethodName" : \"getTargetVersions\",
"beanStyleSetterMethodName" : \"setTargetVersions\",
"c2jName" : \"TargetVersions\",
"c2jShape" : \"ElasticsearchVersionList\",
"defaultConsumerFluentSetterDocumentation" : \"Sets the value of the TargetVersions property for this
object.\n\nThis is a convenience that creates an instance of the \{@link List\<String\>\}.\builder()\.\\nWhen the \{@link Consumer\} completes, \{@link
List\<String\>.\builder()\} is called immediately and its result is passed to \{@link
#targetVersions(List\<String\>\)}\.\n\n@see \#targetVersions(List\<String\>)\",
"deprecated" : false,
"documentation" : \"",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : \"targetVersions\",
"fluentSetterDocumentation" : \"Sets the value of the TargetVersions property for this object.\n\n@see \#targetVersions(List\<String\>)",
"fluentSetterMethodName" : \"targetVersions\",
"getterDocumentation" : \"Returns the value of the TargetVersions property for this object.\nAttempts to
modify the collection returned by this method will result in an UnsupportedOperationException.\n\nThe value of the TargetVersions property for this object.\",
"getterModel" : {
"returnType" : \"java.util.List\<String\>\",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : \"PAYLOAD\",
"marshallLocationName" : \"TargetVersions\",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : \"TargetVersions\",
"uri" : false
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"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)].

**param** member a consumer that will call methods on [link String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object."

@param member

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.".,
  "fluentSetterMethodName": "member",
  "getterDocumentation": "Returns the value of the Member property for this object."

@return The value of the Member property for this object.

getterModel": {
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"http": {
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  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member"
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
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   "variableName" : "member",
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   "simpleType" : "String",
   "variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
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   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.

@param targetVersions The new value for the TargetVersions property for this object."

"setterMethodName" : "setTargetVersions",
"setterModel" : {
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  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getSourceVersion",
  "beanStyleSetterMethodName" : "setSourceVersion",
  "c2jName" : "SourceVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #sourceVersion(String)}.

@ see #sourceVersion(String)",
  "deprecated" : false,
  "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "sourceVersion",
  "fluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
The current version of Elasticsearch on which a domain is.<p>@ return Returns a reference to this object so that method calls can be chained together.</p>

@ see #sourceVersion(String)",
  "getterDocumentation" : "sourceVersion",
  "setterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
"
current version of Elasticsearch on which a domain is.

    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
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    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "SourceVersion",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "SourceVersion",
        "uri" : false
    },

    "idempotencyToken" : false,

    "isBinary" : false,

    "jsonValue" : false,

    "list" : false,

    "listModel" : null,

    "map" : false,

    "mapModel" : null,

    "marshallingType" : "STRING",

    "name" : "SourceVersion",

    "setterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>

    "setterMethodName" : "setSourceVersion",

    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "sourceVersion",
        "variableType" : "String",
        "documentation" : null,
        "simpleType" : "String",
        "variableSetterType" : "String"
    },

    "simple" : true,

    "timestampFormat" : null,

    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "sourceVersion",
        "variableType" : "String",
        "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>";
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getTargetVersions",
"beanStyleSetterMethodName": "setTargetVersions",
"c2jName": "TargetVersions",
"c2jShape": "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the TargetVersions property for this object.

This is a convenience that creates an instance of the @link List<String>.Builder avoiding the need to create one manually via @link List<String>#builder().

When the @link Consumer completes, @link List<String>.Builder#build() is called immediately and its result is passed to @link #targetVersions(List<String>).

@see #targetVersions(List<String>)",
"deprecated": false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "targetVersions",
"fluentSetterDocumentation": "Sets the value of the TargetVersions property for this object.

The new value for the TargetVersions property for this object.

@see #targetVersions(List<String>)",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "TargetVersions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "TargetVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(String)\nThe new value for the Member property for this object.\n\n@see #member(String)\n\n@returns Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object."
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(String)\nThe new value for the Member property for this object.\n\n@see #member(String)\n\n@returns Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object."
  }
},
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
null},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.\n@param
  targetVersions The new value for the TargetVersions property for this object.",
"setterMethodName" : "setTargetVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "targetVersions",
    "variableType" : "java.util.List<String>",
    "documentation" : "",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CompatibleVersionsMap",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "compatibleVersionsMap",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"wrapper" : false
},
"CreateElasticsearchDomainRequest" : {
}
"c2jName" : "CreateElasticsearchDomainRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "CreateElasticsearchDomain",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/domain",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "\n<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>\nThis is a convenience that creates an instance of the [{@link String.Builder}] avoiding the need to create one manually via [{@link String#builder()}].\nWhen the [{@link Consumer}] completes, [{@link String.Builder#build()}] is called immediately and its result is passed to [{@link #domainName(String)}].\n@param domainName a consumer that will call methods on [{@link String.Builder}]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)"
  },
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and -(hyphen).</p>
@return The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and -(hyphen).",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n@return Returns a reference to this object so that method calls can be chained together."
"setterMethodName" : "domainName"
number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.<p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.<p>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.<p>
@return String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}.\n\nWhen the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchClusterConfig(ElasticsearchClusterConfig)}\n@method returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.",
"getterModel" : { 
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfig",
    "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
    "simpleType" : "ElasticsearchClusterConfig",
    "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
}, {
    "beanStyleGetterMethodName" : "getEbsOptions",
    "beanStyleSetterMethodName" : "setEbsOptions",
    "c2jName" : "EBSOptions",
    "c2jShape" : "EBSOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>\nThis is a convenience that creates an instance of the \{ @link EBSOptions.Builder \} avoiding the need to create one manually via \{ @link EBSOptions#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link EBSOptions.Builder#build() \} is called immediately and its result is passed to \{ @link EBSOptions#ebsOptions(EBSOptions) \}.\n\n@see #ebsOptions(EBSOptions)",
    "deprecated" : false,
    "documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "ebsOptions",
    "fluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>\n\n@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.\n\n@return Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName" : "ebsOptions",
    "getterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>\n\n@return Returns Options to enable, disable and specify the type and size of EBS storage volumes.
    "getterModel" : {
"returnType": "EBSOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EBSOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EBSOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EBSOptions",
"setterDocumentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes.</p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes."
,"setterMethodName": "setEbsOptions",
"setterModel": {
"variableDeclarationType": "EBSOptions",
"variableName": "ebsOptions",
"variableType": "EBSOptions",
"documentation": null,
"simpleType": "EBSOptions",
"variableSetterType": "EBSOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "EBSOptions",
"variableName": "ebsOptions",
"variableType": "EBSOptions",
"documentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes.</p>"
,"simpleType": "EBSOptions"
"variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.

@param accessPolicies a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)",
"deprecated" : false,
"documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AccessPolicies",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccessPolicies",
  "uri" : false
},
"
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "AccessPolicies",
"setterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>@param accessPolicies
IAM access policy as a JSON-formatted string.",
"setterMethodName": "setAccessPolicies",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": "<p> IAM access policy as a JSON-formatted string.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getSnapshotOptions",
  "beanStyleSetterMethodName": "setSnapshotOptions",
  "c2jName": "SnapshotOptions",
  "c2jShape": "SnapshotOptions",
  "defaultValueConsumerFluentSetterDocumentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.</p>@param snapshotOptions a consumer that will call methods on <code>SnapshotOptions.Builder</code>.
@see #snapshotOptions(SnapshotOptions)",
  "deprecated": false,
  "documentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.</p>",
  "enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

@return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

@return Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
  "returnType" : "SnapshotOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

@setparam snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "SnapshotOptions",
    "variableName" : "snapshotOptions",
    "variableType" : "SnapshotOptions",
    "documentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0
    hours. </p>",
    "simpleType" : "SnapshotOptions",
    "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for
VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/</p>
This is a convenience that creates an instance of
the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link
VPCOptions#builder()}. When the {@link Consumer} completes, {
@link VPCOptions.Builder#build()} is
called immediately and its result is passed to {
@link VPCOptions(VPCOptions)}.

When the {
@link @param vpcOptions Options to specify the subnets and security groups for VPC endpoint.
For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/</p>"},
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For
more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/</p>"},
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/</p>"},
Creating a VPC in VPC Endpoints for Amazon Elasticsearch Service Domains

Options to specify the subnets and security groups for VPC endpoint. For more information, see the VPC Endpoints for Amazon Elasticsearch Service Domains documentation.

Options to specify the subnets and security groups for VPC endpoint. For more information, see the VPC Endpoints for Amazon Elasticsearch Service Domains documentation.
"setterModel": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": null,
  "simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-creating-vpc).
"simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
},
"xmlNameSpaceUri": null
},
/etc-system.xml
"beanStyleGetterMethodName": "getCognitoOptions",
"beanStyleSetterMethodName": "setCognitoOptions",
"c2jName": "CognitoOptions",
"c2jShape": "CognitoOptions",
"defaultConsumerFluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html). This is a convenience that creates an instance of the `CognitoOptions.Builder` avoiding the need to create one manually via `CognitoOptions.builder()`. When the `Consumer` completes, `CognitoOptions.Builder#build()` is called immediately and its result is passed to `cognitoOptions(CognitoOptions)`. param cognitoOptions a consumer that will call methods on `CognitoOptions#builder()`.

@see #cognitoOptions(CognitoOptions)
"deprecated": false,
"documentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)."
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType": null,
"eventHeader": false,
"eventPayload": false,
service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. />

@returns Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",

"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "CognitoOptions",

"setterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "Specifies the Encryption At Rest Options.
This is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}. When the {@link Consumer} completes, {@link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to {@link EncryptionAtRestOptions(EncryptionAtRestOptions)} a consumer that will call methods on {@link EncryptionAtRestOptions.Builder#return}.
Returns a reference to this object so that method calls can be chained together.
@see EncryptionAtRestOptions#builder()"
}
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EncryptionAtRestOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EncryptionAtRestOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@param
encryptionAtRestOptions Specifies the Encryption At Rest Options."
,  
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
"xmlNameSpaceUri" : null,
}

"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "\n\nThis is a convenience that creates an instance of the {\link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {\link NodeToNodeEncryptionOptions.Builder#builder()}. When the {\link Consumer} completes, {\link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {\link NodeToNodeEncryptionOptions#nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}.\n
@param nodeToNodeEncryptionOptions a consumer that will call methods on {\link NodeToNodeEncryptionOptions.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",

"deprecated" : false,
"documentation" : "\n\nThis specifies the NodeToNodeEncryptionOptions.\n\nWhen the {\link Consumer} completes, {\link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {\link NodeToNodeEncryptionOptions#nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}.\n
@param nodeToNodeEncryptionOptions\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "\n\nThis specifies the NodeToNodeEncryptionOptions.\n
@param nodeToNodeEncryptionOptions\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nodeToNodeEncryptionOptions",

"getterDocumentation" : "\n\nThis specifies the NodeToNodeEncryptionOptions.

@return Specifies the NodeToNodeEncryptionOptions.
",

"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NodeToNodeEncryptionOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "Specifies the NodeToNodeEncryptionOptions.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "Specifies the NodeToNodeEncryptionOptions.",
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jName" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "Option to allow references to indices in an HTTP request body. Must be \&lt;code\&gt;false\&lt;/code\&gt; when configuring access to individual sub-resources. By default, the value is \&lt;code\&gt;true\&lt;/code\&gt; . See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.\&lt;/p\&gt;\n\nThis is a convenience that creates an instance of the [\&lt;link Map&lt;String,\&lt;link String>>.Builder] avoiding the need to create one manually via [\&lt;link Map&lt;String,\&lt;link String>>.Builder#builder()].\n\nWhen the [\&lt;link Consumer] completes, [\&lt;link Map&lt;String,\&lt;link String>>.Builder#build()] is called immediately and its result is passed to [\&lt;link advanceOptions(Map&lt;String,\&lt;link String>>)].\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see advanceOptions(Map&lt;String,\&lt;link String>>),
"deprecated" : false,
"documentation" : "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;",

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;\n@param advancedOptions Option to allow references to indices in an HTTP request body. Must be <code>true</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "advancedOptions",
"getterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;&lt;p&gt;Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.&lt;/p&gt;&lt;p&gt;\n@return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.",

"getterModel" : {

"returnType" : "java.util.Map&lt;String,String&gt;",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{ @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to
{ @link #key(String)}. Return Returns a reference to this object so that method calls can be chained

    
    @param key a consumer that will call methods on
    @return Returns a reference to this object so that method calls can be chained together.
    @see #key(String)
    
    
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to
{ @link #key(String)}. Return Returns a reference to this object so that method calls can be chained
together.
    @param key The new value for the Key property for this object.
    @return Returns a reference to this object so that method calls can be chained together.
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.
    @return The value of the Key property for this object.
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "key",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "key",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
",
"setterMethodName": "setKey",
"setterModel": {

"variableDeclarationType": "String",
"variableName": "key",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
}
},
"simple": true,
"timestampFormat": null,
"variable": {

"variableDeclarationType": "String",
"variableName": "key",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
}
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {

"beanStyleGetterMethodName": "getValue",
"beanStyleSetterMethodName": "setValue",
"list": false,
"c2jName" : "value",
"c2jShape" : "String",

defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}. Returns a reference to this object so that method calls can be chained together.

@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.

new value for the Value property for this object.

@returns Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.

@returns The value of the Value property for this object.
",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@\n\nparam value The new value for the Value property for this object.\n",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See Configuration Advanced Options for more information.\n\n\n@\n\nparam advancedOptions Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See Configuration Advanced Options for more information.\n",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See [Configuration Advanced Options](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options) for more information.

Map of LogType and LogPublishingOption, each containing options to publish a given type of Elasticsearch log. This is a convenience that creates an instance of the [Map<String,LogPublishingOption.Builder>](#log-publishing-options) avoiding the need to create one manually via `Map<String,LogPublishingOption.Builder>.builder()`. When the `Map<String,LogPublishingOption.Builder>.build()` is called immediately and its result is passed to `Map<String,LogPublishingOption>.builder()`, a `Map<String,LogPublishingOption>` consumer that will call methods on `Map<String,LogPublishingOption>.Builder` returns a reference to this object so that method calls can be chained together.

Attempts to modify the collection returned by this method will result in a UnsupportedOperationException. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
of Elasticsearch log.

"getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LogPublishingOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LogPublishingOptions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : true,

"mapModel" : {
    "implType" : "java.util.HashMap",
    "interfaceType" : "java.util.Map",
    "keyLocationName" : "key",
    "keyModel" : {
        "beanStyleGetterMethodName" : "getKeyAsString",
        "beanStyleSetterMethodName" : "setKey",
        "c2jName" : "key",
        "c2jShape" : "LogType",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to
{@link #keyAsString(String)}.
@return Returns a reference to this object so that method calls can be chained
together.
@see #key(String)",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : "LogType",
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : "key",
        "implType" : "java.util.HashMap",
        "interfaceType" : "java.util.Map",
        "keyLocationName" : "key",
        "keyModel" : {
            "beanStyleGetterMethodName" : "getKeyAsString",
            "beanStyleSetterMethodName" : "setKey",
            "c2jName" : "key",
            "c2jShape" : "LogType",
            "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to
{@link #keyAsString(String)}.
@return Returns a reference to this object so that method calls can be chained
together.
@see #key(String)",
            "deprecated" : false,
            "documentation" : "",
            "enumType" : "LogType",
            "eventHeader" : false,
            "eventPayload" : false,
            "fluentEnumGetterMethodName" : "key",
            "implType" : "java.util.HashMap",
            "interfaceType" : "java.util.Map",
            "keyLocationName" : "key",
            "keyModel" : {
                "beanStyleGetterMethodName" : "getKeyAsString",
                "beanStyleSetterMethodName" : "setKey",
                "c2jName" : "key",
                "c2jShape" : "LogType",
                "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to
{@link #keyAsString(String)}.
@return Returns a reference to this object so that method calls can be chained
together.
@see #key(String)",
                "deprecated" : false,
                "documentation" : "",
                "enumType" : "LogType",
                "eventHeader" : false,
                "eventPayload" : false,
                "fluentEnumGetterMethodName" : "key",
            }},
        }},
    }},

"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType
@return Returns a reference to this object so that method calls can be chained together.
@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}.

@return The value of the Key property for this object.
@see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType" : "String"
],
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {\link LogPublishingOption.Builder} avoiding the need to create one manually via {\link LogPublishingOption#builder()}. When the {\link Consumer} completes, {\link LogPublishingOption.Builder#build()} is called immediately and its result is passed to {\link LogPublishingOption.Builder#value(LogPublishingOption)}.

@deprecated value(LogPublishingOption)
@see #value(LogPublishingOption)

@param value a consumer that will call methods on {\link LogPublishingOption.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #value(LogPublishingOption)

"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

The value of the

"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\n\nsetterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
  }
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
  }
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "AccessPolicies" : {
    "beanStyleGetterMethodName" : "getAccessPolicies",
    "beanStyleSetterMethodName" : "setAccessPolicies",
    "c2jName" : "AccessPolicies",
    "c2jShape" : "PolicyDocument",
    "defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}.
When the {@link Consumer} completes, the String.Builder#build() is called immediately and its result is passed to the @link #accessPolicies(String))
@param accessPolicies a consumer that will call methods on the @link String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)",
    "deprecated" : false,
    "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
    "enumType" : null,
    "eventIdHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "accessPolicies",}
"fluentSetterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>\n@param
accessPolicies IAM access policy as a JSON-formatted string.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "accessPolicies",
"getterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>\n@return IAM access policy as a JSON-formatted string.",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AccessPolicies",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AccessPolicies",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "AccessPolicies",
"setterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName": "setAccessPolicies",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "accessPolicies",
    "variableType" : "String",
    "documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
    "beanStyleGetterMethodName" : "getAdvancedOptions",
    "beanStyleSetterMethodName" : "setAdvancedOptions",
    "c2jName" : "AdvancedOptions",
    "c2jShape" : "AdvancedOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p><p>This is a convenience that creates an instance of the @link Map<String,String>.Builder avoiding the need to create one manually via @link Map<String,String>.Builder#builder(). When the @link Consumer completes, @link Map<String,String>.Builder#build() is called immediately and its result is passed to @link Map<String,String>.Builder#build() a consumer that will call methods on @link Map<String,String>.Builder\n@return Returns a reference to this object so that method calls can be chained together.@see #advancedOptions(Map<String,String>)",
    "deprecated" : false,
    "documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "advancedOptions",
    "fluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"
}" @param advancedOptions Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.<p>@return Returns a reference to this object so that method calls can be chained together.
"}
"fluentSetterMethodName" : "advancedOptions",
"getterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
",
"getterModel" : {
   "returnType" : "java.util.Map<String,String>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "AdvancedOptions",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "AdvancedOptions",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
   "implType" : "java.util.HashMap",
   "interfaceType" : "java.util.Map",
   "keyLocationName" : "key",
   "keyModel" : {
      "beanStyleGetterMethodName" : "getKey",
      "beanStyleSetterMethodName" : "setKey",
      "c2jName" : "key",
      "c2jShape" : "String",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object."
   }
},
"serializationConstructorName" : "AdvancedOptions",
"serializationMethodName" : "AdvancedOptions",
"serializationMethodParameters" : [],
"serializationModel" : {
   "implType" : "java.util.HashMap",
   "interfaceType" : "java.util.Map",
   "keyLocationName" : "key",
   "keyModel" : {
      "beanStyleGetterMethodName" : "getKey",
      "beanStyleSetterMethodName" : "setKey",
      "c2jName" : "key",
      "c2jShape" : "String",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object."
   }
}}
When the `Consumer` completes, `StringBuilder#build()` is called immediately and its result is passed to `String#key(String)`. The new value for the Key property for this object so that method calls can be chained together.

```
@link String#builder()

When the `Consumer` completes, `StringBuilder#build()` is called immediately and its result is passed to `String#key(String)`. The new value for the Key property for this object so that method calls can be chained together.
```

```java
@link String#builder()

When the `Consumer` completes, `StringBuilder#build()` is called immediately and its result is passed to `String#key(String)`. The new value for the Key property for this object so that method calls can be chained together.
```
for the Key property for this object.

    "setterMethodName": "setKey",
    "setterModel": {
        "variableDeclarationType": "String",
        "variableName": "key",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "simple": true,
    "timestampFormat": null,
    "variable": {
        "variableDeclarationType": "String",
        "variableName": "key",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
},

"valueLocationName": "value",
"valueModel": {
    "beanStyleGetterMethodName": "getValue",
    "beanStyleSetterMethodName": "setValue",
    "c2jName": "value",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object."

This is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create one manually via [ @link String#builder() ]. When the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #value(String) ].

@para value a consumer that will call methods on [ @link String.Builder ]
@para return Returns a reference to this object so that method calls can be chained together.
@see #value(String)

    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "eventHeader": false,
    "eventType": false,
    "fluentEnumGetterMethodName": "null",
    "fluentEnumSetterMethodName": "null",
    "fluentGetterMethodName": "value",
    "fluentSetterDocumentation": "Sets the value of the Value property for this object."

    "fluentSetterMethodName": "value",
    "getterDocumentation": "Returns the value of the Value property for this object."

    "getterMethodName": "getvalue",
    "getterModel": {
        "variableDeclarationType": "String",
        "variableName": "value",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "simple": true,
    "timestampFormat": null,
    "variable": {
        "variableDeclarationType": "String",
        "variableName": "value",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
},

"valueLocationName": "value",
"valueModel": {
    "beanStyleGetterMethodName": "getValue",
    "beanStyleSetterMethodName": "setValue",
    "c2jName": "value",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object."

This is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create one manually via [ @link String#builder() ]. When the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #value(String) ].

@para value a consumer that will call methods on [ @link String.Builder ]
@para return Returns a reference to this object so that method calls can be chained together.
@see #value(String)

    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "eventHeader": false,
    "eventType": false,
    "fluentEnumGetterMethodName": "null",
    "fluentEnumSetterMethodName": "null",
    "fluentGetterMethodName": "value",
    "fluentSetterDocumentation": "Sets the value of the Value property for this object."

    "fluentSetterMethodName": "value",
    "getterDocumentation": "Returns the value of the Value property for this object."

    "getterMethodName": "getvalue",
    "getterModel": {
        "variableDeclarationType": "String",
        "variableName": "value",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "simple": true,
    "timestampFormat": null,
    "variable": {
        "variableDeclarationType": "String",
        "variableName": "value",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."

"setterMethodName" : "setValue",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
],
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
@param advancedOptions Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"xmlNameSpaceUri" : null
},
"CognitoOptions" : {
  "beanStyleGetterMethodName" : "getCognitoOptions",
  "beanStyleSetterMethodName" : "setCognitoOptions",
  "c2jName" : "CognitoOptions",
  "c2jShape" : "CognitoOptions"
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the <code>CognitoOptions.Builder</code> avoiding the need to create one manually via <code>CognitoOptions#builder()</code>. When the <code>CognitoOptions.Builder#build()</code> is called immediately and its result is passed to <code>CognitoOptions#builder</code>, a consumer that will call methods on <code>CognitoOptions</code> a reference to this object so that method calls can be chained together.

```java
@see #cognitoOptions(CognitoOptions)
```

### Helper Method

```java
@deprecated
```

### Documentation

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
}
,"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName"}
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nThis is a convenience that creates an instance of the \{ [@link String.Builder] \} avoiding the need to create one manually via \{ [@link String.Builder()] \}.\nWhen the \{ [@link Consumer] \} completes, \{ [@link String.Builder#build()] \} is called immediately and its result is passed to \{ [@link #domainName(String)) \}.\n@param domainName a consumer that will call methods on \{ [@link String.Builder] \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)\n","deprecated" : false,"documentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nWhen the \{ [@link Consumer] \} completes, \{ [@link String.Builder#build()] \} is called immediately and its result is passed to \{ [@link #domainName(String)) \}.\n\nThis is a convenience that creates an instance of the \{ [@link String.Builder] \} avoiding the need to create one manually via \{ [@link String.Builder()] \}.\nWhen the \{ [@link Consumer] \} completes, \{ [@link String.Builder#build()] \} is called immediately and its result is passed to \{ [@link #domainName(String)) \}.\n@param domainName a consumer that will call methods on \{ [@link String.Builder] \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)\n","enumType" : null,"eventHeader" : false,"eventPayload" : false,"fluentEnumGetterMethodName" : null,"fluentEnumSetterMethodName" : null,"fluentGetterMethodName" : "domainName","fluentSetterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nWhen the \{ [@link Consumer] \} completes, \{ [@link String.Builder#build()] \} is called immediately and its result is passed to \{ [@link #domainName(String)) \}.\n@param domainName a consumer that will call methods on \{ [@link String.Builder] \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)\n","fluentSetterMethodName" : "domainName","getterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nWhen the \{ [@link Consumer] \} completes, \{ [@link String.Builder#build()] \} is called immediately and its result is passed to \{ [@link #domainName(String)) \}.\n@param domainName a consumer that will call methods on \{ [@link String.Builder] \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)\n","getterModel" : {"returnType" : "String","documentation" : null },"http" : {"additionalMarshallingPath" : null,"additionalUnmarshallingPath" : null,"flattened" : false,"greedy" : false,"header" : false,"isPayload" : false,"isStreaming" : false,"location" : null,"marshallLocation" : "PAYLOAD","marshallLocationName" : "DomainName","queryString" : false,"resultWrapper" : null,"structureAsJSON" : false,"structureAsXML" : false,"structureLocation" : null,"structureLocationName" : null,"targetClass" : null,"targetClassAsModel" : null,"useXmlSerializers" : false,"useXmlTypeMapping" : false,"useXmlWithNamespaces" : false,"unmarshallLocation" : null,"useJsonSerializers" : false,"useJsonTypeMapping" : false,"useJsonWithNamespaces" : false,"version" : null}
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of the ElasticSearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size
This is a convenience that creates an instance of the `EBSOptions.Builder` avoiding the need to create one manually via `EBSOptions.Builder#builder()`. When the `Consumer` completes, `EBSOptions.Builder#build()` is called immediately and its result is passed to `EBSOptions.EBSOptionsBuilder`. @param ebsOptions a consumer that will call methods on `EBSOptions.Builder`.

@returns Returns a reference to this object so that method calls can be chained together.

@see #ebsOptions(EBSOptions)

Options to enable, disable and specify the type and size of EBS storage volumes.

```
@deprecated : false,
"documentation" : "Options to enable, disable and specify the type and size of EBS storage volumes.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "Options to enable, disable and specify the type and size of EBS storage volumes.

@returns Options to enable, disable and specify the type and size of EBS storage volumes.

@returns Returns a reference to this object so that method calls can be chained together.

"getterModel" :
  "getters" : {
    "returnType" : "EBSOptions",
    "documentation" : null
  },
"http" :
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "Options to enable, disable and specify the type and size of EBS storage volumes.

@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes."
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig",
  "c2jShape" : "ElasticsearchClusterConfig",
  "defaultConsumerFluentSetterDocumentation" : "Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. This is a convenience that creates an instance of the ElasticsearchClusterConfig.Builder avoiding the need to create one manually via ElasticsearchClusterConfig#builder(). When the Consumer completes, ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to #elasticsearchClusterConfig(ElasticsearchClusterConfig)\. Returns a reference to this object so that method calls can be chained together. see ElasticsearchClusterConfig(ElasticsearchClusterConfig)",
  "deprecated" : false,
  "documentation" : "Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. This is a convenience that creates an instance of the ElasticsearchClusterConfig.Builder avoiding the need to create one manually via ElasticsearchClusterConfig#builder(). When the Consumer completes, ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to #elasticsearchClusterConfig(ElasticsearchClusterConfig). Returns a reference to this object so that method calls can be chained together. see ElasticsearchClusterConfig(ElasticsearchClusterConfig)",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchClusterConfig",
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "EBSOptions",
    "variableName" : "ebsOptions",
    "variableType" : "EBSOptions",
    "documentation" : null,
    "simpleType" : "EBSOptions",
    "variableSetterType" : "EBSOptions"
  }
}
"fluentSetterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.",
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.

For more information, see "Creating Elasticsearch Domains" in the Amazon Elasticsearch Service Developer Guide.

For more information, see "Creating Elasticsearch Domains" in the Amazon Elasticsearch Service Developer Guide.
calls can be chained together.

"setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

@returns String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"setterMethodName" : "setElasticsearchVersion",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "ElasticsearchVersion",

"setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

@returns String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"setterMethodName" : "setElasticsearchVersion"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EncryptionAtRestOptions" : {
  "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
  "beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
  "c2jName" : "EncryptionAtRestOptions",
  "c2jShape" : "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
This is a convenience that creates an instance of the [EncryptionAtRestOptions.Builder] avoiding the need to create one manually via [EncryptionAtRestOptions#builder()]. When the [Consumer] completes, [EncryptionAtRestOptions.Builder#build()] is called immediately and its result is passed to [EncryptionAtRestOptions(EncryptionAtRestOptions)].
@param encryptionAtRestOptions a consumer that will call methods on [EncryptionAtRestOptions.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "encryptionAtRestOptions",
  "fluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@return Specifies the Encryption At Rest Options.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
  "getterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@return Specifies the
Encryption At Rest Options.

getterModel: {
  "returnType": "EncryptionAtRestOptions",
  "documentation": null
},

http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "EncryptionAtRestOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "EncryptionAtRestOptions",
  "uri": false
},
idempotencyToken: false,
isBinary: false,
jsonData: false,
list: false,
listModel: null,
map: false,
mapModel: null,
martallingType: "SDK_POJO",
name: "EncryptionAtRestOptions",
setterDocumentation: "<p>Specifies the Encryption At Rest Options.</p>\n@param encryptionAtRestOptions Specifies the Encryption At Rest Options.",
setterMethodName: "setEncryptionAtRestOptions",
setterModel: {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
simple: false,
timestampFormat: null,
variable: {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": "<p>Specifies the Encryption At Rest Options.</p>"
"complexType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and
<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

This is a convenience that creates an instance of the {@link Map<LogType,LogPublishingOption>.Builder}
voiding the need to create one manually via {@link Map<LogType,LogPublishingOption>#builder()}. When the
{@link Consumer} completes, the builder is called immediately and its result is passed to
{@link Map<LogType,LogPublishingOption>.Builder#build()}.

When the passed consumer completes, the builder is called immediately and its result is passed to
the method. When the method completes, the result is passed to
(for the given type).<code>LogType</code> and
<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

This is a convenience that creates an instance of the {@link Map<LogType,LogPublishingOption>.Builder}
voiding the need to create one manually via {@link Map<LogType,LogPublishingOption>#builder()}. When the
{@link Consumer} completes, the builder is called immediately and its result is passed to
{@link Map<LogType,LogPublishingOption>.Builder#build()}.

When the passed consumer completes, the builder is called immediately and its result is passed to
the method. When the method completes, the result is passed to
(for the given type).<code>LogType</code> and
<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

This is a convenience that creates an instance of the {@link Map<LogType,LogPublishingOption>.Builder}
voiding the need to create one manually via {@link Map<LogType,LogPublishingOption>#builder()}. When the
{@link Consumer} completes, the builder is called immediately and its result is passed to
{@link Map<LogType,LogPublishingOption>.Builder#build()}.

When the passed consumer completes, the builder is called immediately and its result is passed to
the method. When the method completes, the result is passed to
(for the given type).
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "LogPublishingOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "LogPublishingOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKeyAsString",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "LogType",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder}(). When the {@link Consumer} completes, {@link String.Builder#build}() is called immediately and its result is passed to {@link LogType#keyAsString(String)}().

@see LogType
@see #key(String)"
, "deprecated": false,
  "documentation": "",
  "enumType": "LogType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "key",
  "fluentEnumSetterMethodName": "key",
  "fluentGetterMethodName": "keyAsString",
  "fluentSetterDocumentation": "Sets the value of the Key property for this object. The new value for the Key property for this object.

@see LogType
@return Returns a reference to this object so that method calls can be chained together.

@see LogType",
"fluentSetterMethodName": "key",
"getterDocumentation": "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link LogType#keyAsString}().

@see LogType",
"getterMethodName": "keyAsString",
"getterMethodSignature": "java.lang.String

@see LogType"}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@para key The new value for the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.
This is a convenience that creates an instance of the \link LogPublishingOption.Builder\ avoiding the need to create one manually via \link LogPublishingOption#builder().
When the \link Consumer\ completes, \link LogPublishingOption.Builder#build() is called immediately and its result is passed to \link LogPublishingOption.Builder\.
@returns a reference to this object so that method calls can be chained together.
@see \value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.
This is a convenience that creates an instance of the \link LogPublishingOption\.
When the \link Consumer\ completes, \link LogPublishingOption.Builder#build() is called immediately and its result is passed to \link LogPublishingOption.Builder\.
@returns a reference to this object so that method calls can be chained together.
@see \value(LogPublishingOption)",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.
@returns The value of the Value property for this object.",
  "getterModel" : {
    "returnType" : "LogPublishingOption",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "variableSetterType" : "String",
  },
  "xmlNameSpaceUri" : null
}
}
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object."
@param value The new value for the Value property for this object."
,"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String, LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."
,"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "logPublishingOptions",
"valueProvider" : null,
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : null,
"simpleType" : "java.util.Map<String, LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : null,
"simpleType" : "java.util.Map<String, LogPublishingOption>"
},
"xmlNameSpaceUri" : null
}
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\</p>\",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>",
},
"xmlNameSpaceUri" : null,
"NodeToNodeEncryptionOptions" : {
  "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
  "c2jName" : "NodeToNodeEncryptionOptions",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.\</p>\nThis is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}\nWhen the {@link Consumer} completes. {@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {@link #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}\n\n@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.\</p>\",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
  "fluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.\</p>\n@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
  "getterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.\</p>\n@return Specifies the NodeToNodeEncryptionOptions",
  "getterModel" : {
    "returnType" : "NodeToNodeEncryptionOptions"}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p><p>@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
</p>\n@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
}.
"xmlnsSpaceUri" : null
},
"SnapshotOptions" : {
  "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions",
  "c2jShape" : "SnapshotOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p><n>This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}.<n>When the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptions)}.<n>@param snapshotOptions a consumer that will call methods on { @link SnapshotOptions.Builder}<n>@return Returns a reference to this object so that method calls can be chained together.<n>@see #snapshotOptions(SnapshotOptions)",
  "deprecated" : false,
  "documentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "snapshotOptions",
  "fluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
  @return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.
  @see #snapshotOptions(SnapshotOptions)",
  "getterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.</p>",
  "getterModel" : {
    "returnType" : "SnapshotOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshalLocation" : "PAYLOAD",
    "marshalLocationName" : "SnapshotOptions",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
},
"xmlNameSpaceUri" : null
},
"VPCOptions" : {
  "beanStyleGetterMethodName" : "getVpcOptions",
  "beanStyleSetterMethodName" : "setVpcOptions",
  "c2jName" : "VPCOptions",
  "c2jShape" : "VPCOptions",
  "defaultConsumerFluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>. This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link
When the `{@link Consumer} completes, `{@link VPCOptions.Builder#build()} is called immediately and its result is passed to `{@link vpcOptions(VPCOptions)}` a consumer that will call methods on `{@link VPCOptions.Builder}`. `@return` Returns a reference to this object so that method calls can be chained together.

```
"deprecated" : false,
"documentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

"getterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>

"getterModel" : {
"returnType" : "VPCOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.\n</p>

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.\n</p>

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.\n</p>

巡察MethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"xmlNameSpaceUri" : null
}
]},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
  "xmlNameSpaceUri" : null
}];
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String.Builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #domainName(String).

@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

@see #domainName(String)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

@see #domainName(String)",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

@see #domainName(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName"
The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName
The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>String of format X.Y to specify version for the
String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see [Creating Elasticsearch Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html) in the Amazon Elasticsearch Service Developer Guide.

```
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see [Creating Elasticsearch Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html) in the Amazon Elasticsearch Service Developer Guide.
```
Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. This is a convenience that creates an instance of the ElasticsearchClusterConfig avoiding the need to create one manually via ElasticsearchClusterConfig#builder(). When the Consumer completes, ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to ElasticsearchClusterConfig(ElasticsearchClusterConfig).param elasticsearchClusterConfig a consumer that will call methods on ElasticsearchClusterConfig.Builder@return Returns a reference to this object so that method calls can be chained together. see ElasticsearchClusterConfig(ElasticsearchClusterConfig).
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
This is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}. When the { @link Consumer} completes, { @link EBSOptions.Builder#build()} is called immediately and its result is passed to { @link #ebsOptions(EBSOptions)}.<p>@param ebsOptions a consumer that will call methods on { @link EBSOptions.Builder}</p>\n@return Returns a reference to this object so that method calls can be chained
together.

@see #ebsOptions(EBSOptions)

"deprecated" : false,
"documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "ebsOptions",
"getterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
@return Options to enable, disable and specify the type and size of EBS storage volumes.",
"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.
@return Returns a reference to this object so that method calls can be chained together."
,"setterMethodName" : "setEbsOptions",
"setterModel" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "Options to enable, disable and specify the type and size of EBS storage volumes.
  
  \(<p>\)Options to enable, disable and specify the type and size of EBS storage volumes.
</p>",
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "\(<p>\)IAM access policy as a JSON-formatted string.\</p>\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.\n\n\n@deprecated\n\n\n@see #accessPolicies(String)"
,
"documentation" : "\(<p>\)IAM access policy as a JSON-formatted string.\</p>"
,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "\(<p>\)IAM access policy as a JSON-formatted string.\</p>\n\n@param accessPolicies IAM access policy as a JSON-formatted string.\n\n@return Returns a reference to this object so that method calls can be chained together."
,
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "\(<p>\)IAM access policy as a JSON-formatted string.\</p>\n\n@return IAM access policy as a JSON-formatted string."
,
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AccessPolicies",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccessPolicies",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string."
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"defaultConsumerFluentSetterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. This is a convenience that creates an instance of the [SnapshotOptions.Builder](#snapshotOptions(SnapshotOptions)) avoiding the need to create one manually via [SnapshotOptions#builder()](#snapshotOptions(SnapshotOptions)). When the [Consumer](#snapshotOptions(SnapshotOptions)) completes, [SnapshotOptions.Builder#build()](#snapshotOptions(SnapshotOptions)) is called immediately and its result is passed to [SnapshotOptions(SnapshotOptions)](#snapshotOptions(SnapshotOptions)).

@see [snapshotOptions(SnapshotOptions)](#snapshotOptions(SnapshotOptions))

@return Returns a reference to this object so that method calls can be chained together.

"documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

"enumerable" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

"getterModel" : {
  "returnType" : "SnapshotOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\n\n@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\n\n@p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\n\n@p>",
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>. This is a convenience that creates an instance of the <link VPCOptions.Builder> avoiding the need to create one manually via <link VPCOptions.Builder#build()> when the <link Consumer> completes, <link VPCOptions.Builder#build()> is called immediately and its result is passed to <link VPCOptions.Builder#build()> caller that will call methods on <link VPCOptions.Builder>\n\n@return Returns a reference to this object so that method calls can be chained together\n\nsee #vpcOptions(VPCOptions)"
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-
creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service
Domains</i></p>.
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodFullName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For
more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service
Domains</i></p>\n@param vpcOptions Options to specify the subnets and security groups for VPC
endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-
service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC
Endpoints for Amazon Elasticsearch Service Domains</i>\n@return Returns a reference to this object so that
method calls can be chained together.",
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service
Domains</i></p>\n@return Options to specify the subnets and security groups for VPC endpoint. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-
service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC
Endpoints for Amazon Elasticsearch Service Domains</i>",
"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

When the Consumer completes, this is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()}.

This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()}. When the {@link Consumer} completes,
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

```java
public static void someMethod() {
    ...
    CognitoOptionsBuilder cognitoOptionsBuilder = new CognitoOptionsBuilder();
    cognitoOptionsBuilder.cognitoOptions(cognitoOptions); // Method call
    ...
}
```

**documentation**: Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

```
public CognitoOptionsBuilder cognitoOptions(CognitoOptions cognitoOptions) {
    ...
    return this;
}
```

**getterModel**: `null`

```
public CognitoOptions getCognitoOptions() {
    ...
    return null;
}
```

**setterModel**: `null`

```
public void setCognitoOptions(CognitoOptions cognitoOptions) {
    ...
}
```

**fluentGetterMethodName**: `cognitoOptions`

```
public static void someMethod() {
    ...
    CognitoOptionsBuilder cognitoOptionsBuilder = new CognitoOptionsBuilder();
    cognitoOptionsBuilder.cognitoOptions(cognitoOptions); // Method call
    ...
}
```

**fluentSetterMethodName**: `cognitoOptions`

```
public CognitoOptionsBuilder cognitoOptions(CognitoOptions cognitoOptions) {
    ...
    return this;
}
```

**additionalMarshallingPath**: `null`

**additionalUnmarshallingPath**: `null`

**flattened**: `false`

**greedy**: `false`

**header**: `false`

**isPayload**: `false`

**isStreaming**: `false`

**location**: `null`

**marshallLocation**: "PAYLOAD"

```
public CognitoOptionsBuilder cognitoOptions(CognitoOptions cognitoOptions) {
    ...
    return this;
}
```

**unmarshallLocation**: `null`

**uri**: `false`
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

```java
@Param
cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

```

Options to specify the Cognito user and identity pools for Kibana authentication.

```java
@Param
cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
```

This is a convenience that creates an instance of the [EncryptionAtRestOptions.Builder] avoiding the need to create one manually via [EncryptionAtRestOptions#builder()].

When the [Consumer] completes, [EncryptionAtRestOptions.Builder#build()] is called immediately and its result is passed to [EncryptionAtRestOptions(EncryptionAtRestOptions)].

@Param encryptionAtRestOptions a consumer that will call methods on [EncryptionAtRestOptions.Builder]

@Return Returns a reference to this object so that
method calls can be chained together.\n@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
"deprecated" : false,
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@param
encryptionAtRestOptions Specifies the Encryption At Rest Options.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@return Specifies the Encryption At Rest Options.
", 
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@param
encryptionAtRestOptions Specifies the Encryption At Rest Options.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
}
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions. </p>
This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}. When the {@link Consumer} completes, {@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}. @param nodeToNodeEncryptionOptions a consumer that will call methods on {@link NodeToNodeEncryptionOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
"deprecated" : false,
"documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Specifies the NodeToNodeEncryptionOptions.",
"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
"defaultConsumerFluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the [Map<String,String>.Builder] avoiding the need to create one manually via [Map<String,String>#builder()].

When the [Consumer] completes, [Map<String,String>.Builder#build()] is called immediately and its result is passed to [Map<String,String>].

@see #advancedOptions(Map<String,String>)",

"deprecated" : false,

"documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the [Map<String,String>.Builder] avoiding the need to create one manually via [Map<String,String>#builder()].

When the [Consumer] completes, [Map<String,String>.Builder#build()] is called immediately and its result is passed to [Map<String,String>].

@see #advancedOptions(Map<String,String>)",

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : "advancedOptions",

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "advancedOptions",

"fluentSetterMethodName" : "advancedOptions",

"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"

@see #advancedOptions(Map<String,String>)",

"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"

@see #advancedOptions(Map<String,String>)",

"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"

@see #advancedOptions(Map<String,String>)",

"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"

@see #advancedOptions(Map<String,String>)"
target="_blank">Configuration Advanced Options</a> for more information.

```
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : true,

"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #key(String)\}.\n\n@see \#key(String)\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@deprecated\n\n"deprecated" : false,

"documentation" : "",

"enumType" : null,

"eventType" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,
```
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n@return The value of the Key property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "key",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "key",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
}.}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\nThis is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to value(String).\n\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value a consumer that will call methods on String.Builder\n\n@see #value(String)",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@see #value(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\nsetterMethodName" : "setValue",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be
false when configuring access to individual sub-resources. By default, the value is true. See [Configuration Advanced Options](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options) for more information.

The `advancedOptions` parameter is a Map of LogType and LogPublishingOption, each containing options to publish a given type of Elasticsearch log. This is a convenience that creates an instance of the `Map<String,LogPublishingOption>` class avoiding the need to create one manually via `Map<String,LogPublishingOption>#builder()`. When the consumer completes, `Map<String,LogPublishingOption>#builder().build()` is called immediately and its result is passed to `logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)`. Returns a reference to this object so that method calls can be chained together. See [LogPublishingOptionsWithStrings](Map<String,LogPublishingOption>)


containing options to publish a given type of Elasticsearch log.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@returns Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

"getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LogPublishingOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LogPublishingOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
    "implType" : "java.util.HashMap",
    "interfaceType" : "java.util.Map",
    "keyLocationName" : "key",
    "keyModel" : 
}
"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "LogType",
"defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #keyAsString(String)}.

@see #key(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #keyAsString(String)}.

@see #key(String)",
"gettersets" : false,
"getterDocumentation" : "Returns the value of the Key property for this object. If the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}."
"getterModel" : { "returnType" : "String", "documentation" : null },
"idempotencyToken" : false, "isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
    "beanStyleGetterMethodName" : "getValue",
    "beanStyleSetterMethodName" : "setValue",
    "c2jName" : "value",
    "c2jShape" : "LogPublishingOption",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the { @link LogPublishingOption.Builder} avoiding the need to create one manually via { @link LogPublishingOption#builder()}. When the { @link Consumer} completes, { @link LogPublishingOption.Builder#build()} is called immediately and its result is passed to { @link value(LogPublishingOption)}.\n\n@return Returns a reference to this object so that method calls can be chained together.
@see #value(LogPublishingOption)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel": {
"returnType": "LogPublishingOption",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
",="setterMethodName": "setValue",
"setterModel": {
"variableDeclarationType": "LogPublishingOption",
"variableName": "value",
"variableType": "LogPublishingOption",
"documentation": null,
"simpleType": "LogPublishingOption",
"variableSetterType": "LogPublishingOption"}
"simple": false,
"timestampFormat": null,

"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": "",
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},

"xmlNameSpaceUri": null
},

"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},

"marshallingType": "MAP",

"name": "LogPublishingOptions",

"setterDocumentation": "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code> each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code> each containing options to publish a given type of Elasticsearch log.",

"setterMethodName": "setLogPublishingOptionsWithStrings",

"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>",
  "variableName": "logPublishingOptions",
  "variableType": "java.util.Map<String,LogPublishingOption>",
  "documentation": null,
  "simpleType": "Map<String,LogPublishingOption>",
  "variableSetterType": "java.util.Map<String,LogPublishingOption>"
},

"simple": false,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>",
  "variableName": "logPublishingOptions",
  "variableType": "java.util.Map<String,LogPublishingOption>",
  "documentation": "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code> each containing options to publish a given type of Elasticsearch log.</p>",
  "simpleType": "Map<String,LogPublishingOption>",
  "variableSetterType": "java.util.Map<String,LogPublishingOption>"
},

"xmlNameSpaceUri": null
]

"requestSignerAware": false,

"required": [ "DomainName" ],

"shapeName": "CreateElasticsearchDomainRequest"
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "CreateElasticsearchDomainRequest",
  "variableName": "createElasticsearchDomainRequest",
  "variableType": "CreateElasticsearchDomainRequest",
  "documentation": null,
  "simpleType": "CreateElasticsearchDomainRequest",
  "variableSetterType": "CreateElasticsearchDomainRequest"
},
"wrapper": false
},
"CreateElasticsearchDomainResponse": {
  "c2jName": "CreateElasticsearchDomainResponse",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>The result of a <code>CreateElasticsearchDomain</code> operation. Contains the status
of the newly created Elasticsearch domain.</p>",
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshaller": null,
  "members": [
    "beanStyleGetterMethodName": "getDomainStatus",
    "beanStyleSetterMethodName": "setDomainStatus",
    "c2jName": "DomainStatus",
    "c2jShape": "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation": "<p>The status of the newly created Elasticsearch domain.
</p>

This is a convenience that creates an instance of the {
  "@link ElasticsearchDomainStatus.Builder"} avoiding the
need to create one manually via {
  "@link ElasticsearchDomainStatus#builder()"}.

When the {
  "@link Consumer"}
completes, {
  "@link ElasticsearchDomainStatus.Builder#build()"} is called immediately and its result is passed to
{
  "@link #domainStatus(ElasticsearchDomainStatus)"}.

@returns a consumer that will call methods on
{
  "@link ElasticsearchDomainStatus.Builder"}.

@returns Returns a reference to this object so that method calls can be
chained together."

"deprecated": false,"
The status of the newly created Elasticsearch domain.

The status of the newly created Elasticsearch domain.

@returns Returns a reference to this object so that method calls can be chained together.

The status of the newly created Elasticsearch domain.

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@returns The status of the newly created Elasticsearch domain.

domainStatus The status of the newly created Elasticsearch domain.

domainStatus The status of the newly created Elasticsearch domain.

domainStatus The status of the newly created Elasticsearch domain.

@returns The status of the newly created Elasticsearch domain.
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "The status of the newly created Elasticsearch domain. \</p>"",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "DomainStatus" : {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "The status of the newly created Elasticsearch domain. \n\nThis is a convenience that creates an instance of the \{ @link ElasticsearchDomainStatus.Builder \} avoiding the need to create one manually via \{ @link ElasticsearchDomainStatus#builder() \}. \n\nWhen the \{ @link Consumer \} completes, \{ @link ElasticsearchDomainStatus.Builder#build() \} is called immediately and its result is passed to \{ @link domainStatus(ElasticsearchDomainStatus) \}. \n\n@param domainStatus a consumer that will call methods on \{ @link ElasticsearchDomainStatus.Builder \} \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #domainStatus(ElasticsearchDomainStatus)"
  ,
  "deprecated" : false,
  "documentation" : "The status of the newly created Elasticsearch domain. \</p>"",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "The status of the newly created Elasticsearch domain. \</p>\n\n@param domainStatus The status of the newly created Elasticsearch domain. \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #domainStatus(ElasticsearchDomainStatus)"
  ,
  "getterDocumentation" : "The status of the newly created Elasticsearch domain. \</p>\n\n@return The status of the newly created Elasticsearch domain. \n\n@see #domainStatus(ElasticsearchDomainStatus)"
  ,
  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainStatus",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@param domainStatus The status of the newly created Elasticsearch domain."
,"setterMethodName" : "setDomainStatus",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "domainStatus",
    "variableType" : "ElasticsearchDomainStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchDomainStatus",
    "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "domainStatus",
    "variableType" : "ElasticsearchDomainStatus",
    "documentation" : "<p>The status of the newly created Elasticsearch domain. </p>",
    "simpleType" : "ElasticsearchDomainStatus",
    "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null}
This is a convenience that creates an instance of the ElasticsearchDomainStatus.Builder avoiding the need to create one manually via ElasticsearchDomainStatus#builder(). When the Consumer completes, ElasticsearchDomainStatus.Builder#build() is called immediately and its result is passed to ElasticsearchDomainStatus#domainStatus a consumer that will call methods on ElasticsearchDomainStatus.Builder#build(). Returns a reference to this object so that method calls can be chained together.

@see ElasticsearchDomainStatus#domainStatus

@deprecated

@link ElasticsearchDomainStatus#domainStatus

@link ElasticsearchDomainStatus.Builder

@link Consumer

@link ElasticsearchDomainStatus#builder()
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@param domainStatus The status of the newly created Elasticsearch domain."
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the newly created Elasticsearch domain. </p>",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CreateElasticsearchDomainResponse",
  "variableName" : "createElasticsearchDomainResponse",
  "variableType" : "CreateElasticsearchDomainResponse",
  "documentation" : null,
  "simpleType" : "CreateElasticsearchDomainResponse",
  "variableSetterType" : "CreateElasticsearchDomainResponse"
}
}
"wrapper": false,
"DeleteElasticsearchDomainRequest": {
  "c2jName": "DeleteElasticsearchDomainRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Container for the parameters to the <code>DeleteElasticsearchDomain</code> operation. Specifies the name of the Elasticsearch domain that you want to delete.</p>",
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": {
    "action": "DeleteElasticsearchDomain",
    "locationName": null,
    "requestUri": "/2015-01-01/es/domain/{DomainName}"
  },
  "members": [
    {
      "beanStyleGetterMethodName": "getDomainName",
      "beanStyleSetterMethodName": "setDomainName",
      "c2jName": "DomainName",
      "c2jShape": "DomainName",
      "defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the
need to create one manually via { @link String#builder()}.
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
    "deprecated": false,
    "documentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the Elasticsearch domain that you want to permanently delete.

@param domainName The name of the Elasticsearch domain that you want to permanently delete.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "The name of the Elasticsearch domain that you want to permanently delete.

@param domainName The name of the Elasticsearch domain that you want to permanently delete.

@return The name of the Elasticsearch domain that you want to permanently delete."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "The name of the Elasticsearch domain that you want to permanently delete.

@param domainName The name of the Elasticsearch domain that you want to permanently delete.

@return The name of the Elasticsearch domain that you want to permanently delete."

"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "domainName",
"variableType": "String",
"documentation": "The name of the Elasticsearch domain that you want to permanently delete.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
"DomainName": {
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
"c2jShape": "DomainName",
"defaultConsumerFluentSetterDocumentation": "The name of the Elasticsearch domain that you want to permanently delete.",
"deprecated": false,
"documentation": "The name of the Elasticsearch domain that you want to permanently delete.",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "The name of the Elasticsearch domain that you want to permanently delete.",
"fluentSetterMethodName": "domainName",
"getterDocumentation": "The name of the Elasticsearch domain that you want to permanently delete.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
The name of the Elasticsearch domain that you want to permanently delete.

```java
setterMethodNames = "setDomainName",
setterModel = {
  "variableDeclarationType" = "String",
  "variableName" = "domainName",
  "variableType" = "String",
  "documentation" = null,
  "simpleType" = "String",
  "variableSetterType" = "String"
},
"simple" = true,
"timestampFormat" = null,
"variable" = {
  "variableDeclarationType" = "String",
  "variableName" = "domainName",
  "variableType" = "String",
  "documentation" = "The name of the Elasticsearch domain that you want to permanently delete."
},
"xmlNameSpaceUri" = null
}
}
"nonStreamingMembers" = [
  "beanStyleGetterMethodName" = "getDomainName",
  "beanStyleSetterMethodName" = "setDomainName",
  "c2jName" = "DomainName",
]
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>"
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.

When the {@link Consumer} completes, it is called immediately and its result is passed to {@link String.Builder#build()}.
A consumer that will call methods on a String.Builder returns a reference to this object so that method calls can be chained together..

@param domainName a consumer that will call methods on a String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)
"deprecated" : false,
"documentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@return The name of the Elasticsearch domain that you want to permanently delete.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
The name of the Elasticsearch domain that you want to permanently delete.

```java
@Parameter(domainName The name of the Elasticsearch domain that you want to permanently delete.

```

```java
setDomainName

```
"staxTargetDepthOffset" : 0,
"deprecated" : false,
"documentation" : "The result of a <code>DeleteElasticsearchDomain</code> request. Contains the status of the pending deletion, or no status if the domain and all of its resources have been deleted.",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ]
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted. This is a convenience that creates an instance of the ElasticsearchDomainStatus.Builder avoiding the need to create one manually via ElasticsearchDomainStatus#builder(). When the Consumer completes, ElasticsearchDomainStatus.Builder#build() is called immediately and its result is passed to ElasticsearchDomainStatus.ElasticsearchDomainStatus.Builder#return. Returns a reference to this object so that method calls can be chained together.",
  "deprecated" : false,
  "documentation" : "The status of the Elasticsearch domain being deleted.",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted.",
  "fluentSetterMethodName" : "domainStatus",
  "getterDocumentation" : "The status of the Elasticsearch domain being deleted.",
  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
The status of the Elasticsearch domain being deleted.

```java

@DomainStatus
public class ElasticsearchDomainStatus {

  private String domainStatus;

  public ElasticsearchDomainStatus() {
    super();
    this.domainStatus = null;
  }

  public ElasticsearchDomainStatus(String domainStatus) {
    this.domainStatus = domainStatus;
  }

  // Getters and setters

  public String getDomainStatus() {
    return domainStatus;
  }

  public void setDomainStatus(String domainStatus) {
    this.domainStatus = domainStatus;
  }

  // Other methods

}
```

The status of the Elasticsearch domain being deleted.

```java

@DomainStatus
public class ElasticsearchDomainStatus {

  private String domainStatus;

  public ElasticsearchDomainStatus() {
    super();
    this.domainStatus = null;
  }

  public ElasticsearchDomainStatus(String domainStatus) {
    this.domainStatus = domainStatus;
  }

  // Getters and setters

  public String getDomainStatus() {
    return domainStatus;
  }

  public void setDomainStatus(String domainStatus) {
    this.domainStatus = domainStatus;
  }

  // Other methods

}
```
"beanStyleGetterMethodName" : "getDomainStatus",
"beanStyleSetterMethodName" : "setDomainStatus",
"c2jName" : "DomainStatus",
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
This is a convenience that creates an instance of the {link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {link ElasticsearchDomainStatus#builder()}.<br.setViewportView to the \{link ElasticsearchDomainStatus.Builder\} when the \{link ElasticsearchDomainStatus.Builder#build()\} is called immediately and its result is passed to \{link #domainStatus(ElasticsearchDomainStatus)\}.\n\nwhen the \{link ElasticsearchDomainStatus.Builder\} returns a reference to this object so that method calls can be chained together.\n\n\n@see #domainStatus(ElasticsearchDomainStatus)",
"deprecated" : false,
"documentation" : "The status of the Elasticsearch domain being deleted."

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"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted."

"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "The status of the Elasticsearch domain being deleted."

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"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
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"http" : {

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"isStreaming" : false,
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"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
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"list" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
@param
domainStatus The status of the Elasticsearch domain being deleted.",
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  "variableName" : "domainStatus",
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  "variableSetterType" : "ElasticsearchDomainStatus"
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  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
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"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>\nThis is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}.\n\nWhen the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {@link #domainStatus(ElasticsearchDomainStatus)} at param domainStatus a consumer that will call methods on {@link ElasticsearchDomainStatus.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #domainStatus(ElasticsearchDomainStatus)",
  "deprecated" : false,
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.
@param domainStatus The status of the Elasticsearch domain being deleted.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.
@return The status of the Elasticsearch domain being deleted.
",
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"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.
@param domainStatus The status of the Elasticsearch domain being deleted.
",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
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"returnType" : "ElasticsearchDomainStatus",
"documentation" : null}
"simple" : false,
"timestampFormat" : null,
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  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "The status of the Elasticsearch domain being deleted."",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
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"xmlNameSpaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
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"simpleMethod" : false,
"unmarshaller" : {
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  "resultWrapper" : null
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"variable" : {
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  "variableType" : "DeleteElasticsearchDomainResponse",
  "documentation" : null,
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  "variableSetterType" : "DeleteElasticsearchDomainResponse"
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"wrapper" : false
},
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
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  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "variableDeclarationType" : "DeleteElasticsearchServiceRoleRequest",
  "variableName" : "deleteElasticsearchServiceRoleRequest",
  "variableType" : "DeleteElasticsearchServiceRoleRequest",
  "documentation" : null,
  "simpleType" : "DeleteElasticsearchServiceRoleRequest",
  "variableSetterType" : "DeleteElasticsearchServiceRoleRequest"
},
"wrapper" : false
}
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DeleteElasticsearchServiceRole",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/role",
  "target" : null,
  "verb" : "DELETE",
  "xmlNameSpaceUri" : null
},
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteElasticsearchServiceRoleRequest",
"simpleMethod" : true,
"unmarshaller" : null,
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  "variableDeclarationType" : "DeleteElasticsearchServiceRoleRequest",
  "variableName" : "deleteElasticsearchServiceRoleRequest",
  "variableType" : "DeleteElasticsearchServiceRoleRequest",
  "documentation" : null,
  "simpleType" : "DeleteElasticsearchServiceRoleRequest",
  "variableSetterType" : "DeleteElasticsearchServiceRoleRequest"
},
"wrapper" : false
},
"DeleteElasticsearchServiceRoleResponse" : {
  "c2jName" : "DeleteElasticsearchServiceRoleResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/2015-01-01/es/role",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
  },
  "members" : [ ],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "GetElasticsearchServiceRoleRequest",
  "simpleMethod" : true,
  "unmarshaller" : null,
  "variable" : {
    "variableDeclarationType" : "GetElasticsearchServiceRoleRequest",
    "variableName" : "getElasticsearchServiceRoleRequest",
    "variableType" : "GetElasticsearchServiceRoleRequest",
    "documentation" : null,
    "simpleType" : "GetElasticsearchServiceRoleRequest",
    "variableSetterType" : "GetElasticsearchServiceRoleRequest"
  },
  "wrapper" : false
},
"GetElasticsearchServiceRoleResponse" : {
  "c2jName" : "GetElasticsearchServiceRoleResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteElasticsearchServiceRoleResponse",
"simpleMethod" : false,
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : { 
  "variableDeclarationType" : "DeleteElasticsearchServiceRoleResponse",
  "variableName" : "deleteElasticsearchServiceRoleResponse",
  "variableType" : "DeleteElasticsearchServiceRoleResponse",
  "documentation" : null,
  "simpleType" : "DeleteElasticsearchServiceRoleResponse",
  "variableSetterType" : "DeleteElasticsearchServiceRoleResponse"
},
"wrapper" : false
},
"DeploymentStatus" : { 
  "c2jName" : "DeploymentStatus",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "",
  "enums" : [ 
    { "name" : "PENDING_UPDATE",
      "value" : "PENDING_UPDATE"
    },
    { "name" : "IN_PROGRESS",
      "value" : "IN_PROGRESS"
    },
    { "name" : "COMPLETED",
      "value" : "COMPLETED"
    }
  ]}
"documentation": "<p>Container for the parameters to the <code>DescribeElasticsearchDomainConfig</code> operation. Specifies the domain name for which you want configuration information.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
 "action" : "DescribeElasticsearchDomainConfig",
 "locationName" : null,
 "requestUri" : "/2015-01-01/es/domain/{DomainName}/config",
 "target" : null,
 "verb" : "GET",
 "xmlNameSpaceUri" : null
},
"members" : [ {
 "beanStyleGetterMethodName" : "getDomainName",
 "beanStyleSetterMethodName" : "setDomainName",
 "c2jName" : "DomainName",
 "c2jShape" : "DomainName",
 "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.<p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.{ @param

domainName a consumer that will call methods on { @link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)"
,
 "deprecated" : false,
 "documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>",
 "enumType" : null,
 "eventIdHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : "domainName",
 "fluentEnumSetterMethodName" : "domainName",
 "fluentGetterMethodName" : "domainName",
 "fluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.<p>

Returns a reference to this object so that method calls can be chained together.\n
"fluentSetterMethodName" : "domainName",
 "getterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>

The Elasticsearch domain that you want to get information about.\n
getterModel" : {
 "returnType" : "String",
 "documentation" : null
}
"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "The Elasticsearch domain that you want to get information about.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The Elasticsearch domain that you want to get information about.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"membersAsMap" : {
    "DomainName" : {
        "beanStyleGetterMethodName" : "getDomainName",
        "beanStyleSetterMethodName" : "setDomainName",
        "c2jName" : "DomainName",
        "c2jShape" : "DomainName",
        "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, it is called immediately and its result is passed to {@link #domainName(String)}.

@Deprecated
@param domainName a consumer that will call methods on String.Builder
@returns a reference to this object so that method calls can be chained together.

.documentation" : "The Elasticsearch domain that you want to get information about.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.
@param domainName The Elasticsearch domain that you want to get information about.
@returns a reference to this object so that method calls can be chained together.

.documentation" : "The Elasticsearch domain that you want to get information about.",
"getterDocumentation" : "The Elasticsearch domain that you want to get information about.

.getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocation" : "PATH",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
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  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "\<p\>The Elasticsearch domain that you want to get information about.\</p\>\n\"simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [{
  "beanStyleGetterMethodName": "getDomainName",
  "beanStyleSetterMethodName": "setDomainName",
  "c2jName": "DomainName",
  "c2jShape": "DomainName",
  "defaultConsumerFluentSetterDocumentation": "\<p\>The Elasticsearch domain that you want to get information about.\</p\>\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. \n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #domainName(String) \}. \n\n@param domainName a consumer that will call methods on \{ @link String.Builder\}@\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #domainName(String)",
  "deprecated": false,
  "documentation": "\<p\>The Elasticsearch domain that you want to get information about.\</p\>",
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  "eventHeader": false,
  "eventPayload": false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The Elasticsearch domain that you want to get information about.
@\param domainName The Elasticsearch domain that you want to get information about.
\nReturns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "The Elasticsearch domain that you want to get information about.
\n\return The Elasticsearch domain that you want to get information about.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "The Elasticsearch domain that you want to get information about.
@\param domainName The Elasticsearch domain that you want to get information about."
"setterMethodName" : "setDomainName",
"setterModel" : {
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  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"timestampFormat" : null,
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"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "DescribeElasticsearchDomainConfigRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainConfigRequest",
"variableName" : "describeElasticsearchDomainConfigRequest",
"variableType" : "DescribeElasticsearchDomainConfigRequest",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainConfigRequest",
"variableSetterType" : "DescribeElasticsearchDomainConfigRequest"
},
"wrapper" : false
},
"DescribeElasticsearchDomainConfigResponse" : {
"c2jName" : "DescribeElasticsearchDomainConfigResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>The result of a <code>DescribeElasticsearchDomainConfig</code> request. Contains the configuration information of the requested domain.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ { 
  "beanStyleGetterMethodName" : "getDomainConfig",
  "beanStyleSetterMethodName" : "setDomainConfig",
  "c2jName" : "DomainConfig",
  "c2jShape" : "ElasticsearchDomainConfig",
  "defaultConsumerFluentSetterDocumentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request. This is a convenience that creates an instance of the {@link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainConfig#builder()}. When the {@link Consumer} completes, {@link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to a consumer that will call methods on a reference to this object so that method calls can be chained together.
  
  @param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
  @return Returns a reference to this object so that method calls can be chained together."
  ,
  "documentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
  @param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
  @return Returns a reference to this object so that method calls can be chained together."
  ,
  "getterDocumentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
  @return The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
  @param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
  @return Returns a reference to this object so that method calls can be chained together."
  ,
  "getterModel" : { 
    "returnType" : "ElasticsearchDomainConfig",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
  },
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"setterDocumentation" : "\nThe configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.\n\n\n@\param domainConfig The configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.\n\n\n\nsetterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "<p>The configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.</p>\nThis is a convenience that creates an
"variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlnsNameSpaceUri" : null
}]},
"membersAsMap" : {
  "DomainConfig" : {
    "beanStyleGetterMethodName" : "getDomainConfig",
    "beanStyleSetterMethodName" : "setDomainConfig",
    "c2jName" : "DomainConfig",
    "c2jShape" : "ElasticsearchDomainConfig",
    "defaultConsumerFluentSetterDocumentation" : "<p>The configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.</p>This is a convenience that creates an
"xmlNameSpaceUri" : null
  }
},
"document" : {
  "@domainConfig" : {
    "marshallLocationName" : "DomainConfig",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainConfig",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "DomainConfig",
  "setterDocumentation" : "\nThe configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.\n\n\n@\param domainConfig The configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.\n\n\n\nsetterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "<p>The configuration information of the domain requested in the \n<code>DescribeElasticsearchDomainConfig</code> request.</p>
This is a convenience that creates an
"variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlnsNameSpaceUri" : null
}]
}.
instance of the `@link ElasticsearchDomainConfig.Builder` avoiding the need to create one manually via `@link ElasticsearchDomainConfig.Builder#builder()`. When the `@link Consumer` completes, `@link ElasticsearchDomainConfig.Builder#build()` is called immediately and its result is passed to `@link ElasticsearchDomainConfig(ElasticsearchDomainConfig)`. `@return` Returns a reference to this object so that method calls can be chained together. `@see ElasticsearchDomainConfig(ElasticsearchDomainConfig)`.

"deprecated" : false,
"documentation" : "<p>The configuration information of the domain requested in the request.</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The configuration information of the domain requested in the request.</p>

@param domainConfig a consumer that will call methods on

"getDocumentation" : "<p>The configuration information of the domain requested in the request.</p>

@return The configuration information of the domain requested in the request.

"getterModel" : {
    "returnType" : "ElasticsearchDomainConfig",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainConfig",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainConfig",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"setterDocumentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
"setterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variable SetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
  "simpleType" : "ElasticsearchDomainConfig",
  "variable SetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
],
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getDomainConfig",
    "beanStyleSetterMethodName" : "setDomainConfig",
    "c2jName" : "DomainConfig",
    "c2jShape" : "ElasticsearchDomainConfig",
    "defaultConsumerFluentSetterDocumentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n\nThis is a convenience that creates an instance of the {@link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainConfig#builder()}.\n\nWhen the {@link Consumer} completes, {@link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to {@link #domainConfig(ElasticsearchDomainConfig)}.\n\n@param domainConfig a consumer that will call methods on {@link ElasticsearchDomainConfig.Builder}\n\n@see #domainConfig(ElasticsearchDomainConfig)"
  "deprecated" : false,
  "documentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n\n@enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>
@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>
@return The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.

"getterModel" : {
  "returnType" : "ElasticsearchDomainConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"setterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>
@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.

"setterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig"
}
"variableType" : "ElasticsearchDomainConfig",
"documentation" : null,
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : "The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.\</p>,
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlnsNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainConfig" ],
"shapeName" : "DescribeElasticsearchDomainConfigResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainConfigResponse",
"variableName" : "describeElasticsearchDomainConfigResponse",
"variableType" : "DescribeElasticsearchDomainConfigResponse",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainConfigResponse",
"variableSetterType" : "DescribeElasticsearchDomainConfigResponse"
},
"wrapper" : false
},
"DescribeElasticsearchDomainRequest" : {
"c2jName" : "DescribeElasticsearchDomainRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for the parameters to the
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DescribeElasticsearchDomain",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/domain/{DomainName}",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via {@link String#builder()}. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].
@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "The name of the Elasticsearch domain for which you want information.
@see #domainName(String)",
  "getterDocumentation" : "The name of the Elasticsearch domain for which you want information.
@see #domainName(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}].
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>The name of the Elasticsearch domain for which you want information.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"membersAsMap": {
    "DomainName": {
        "beanStyleGetterMethodName": "getDomainName",
        "beanStyleSetterMethodName": "setDomainName",
        "c2jName": "DomainName",
        "c2jShape": "DomainName",
        "defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain for which you want information.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].
@param domainName a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
        "deprecated": false,
        "documentation": "<p>The name of the Elasticsearch domain for which you want information.</p>",
        "enumType": null,
        "eventId" : false,
        "eventPayload": false,
        "fluentEnumGetterMethodName": null,
        "fluentEnumSetterMethodName": null,
        "fluentGetterMethodName": "domainName",
        "fluentSetterDocumentation": "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.
@return Returns a reference to this object so that method calls can be chained together.",
        "fluentSetterMethodName": "domainName",
        "getterDocumentation": "<p>The name of the Elasticsearch domain for which you want information.</p>
@return The name of the Elasticsearch domain for which you want information.",
        "getterModel": {
            "returnType": "String",
            "documentation": null
        },
        "http": {
            "additionalMarshallingPath": null,
            "additionalUnmarshallingPath": null,
            "flattened": false,
            "greedy": false,
            "header": false,
            "isPayload": false,
            "isStreaming": false,
            "location": "uri",
            "marshallLocation": "PATH",
            "marshallLocationName": "DomainName",
            "queryString": false,
            "statusCode": false,
            "unmarshallLocationName": "DomainName",
            "uri": true
        },
        "idempotencyToken": false,
        "isBinary": false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information."
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "The name of the Elasticsearch domain for which you want information.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},

"nonStreamingMembers" : [{
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder()].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#domainName(String)].
@param domainName a consumer that will call methods on [String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "The name of the Elasticsearch domain for which you want information.",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@return The name of the Elasticsearch domain for which you want information.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
The name of the Elasticsearch domain for which you want information.

The result of a <code>DescribeElasticsearchDomain</code> request. Contains the status of the domain specified in the request.

Contains the status of the Elasticsearch domain for which you want information.
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}. When the {@link Consumer} completes, {
  @link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {
  @link ElasticsearchDomainStatus(ElasticsearchDomainStatusBuilder)}.<p>
@see #domainStatus(ElasticsearchDomainStatus)",
  "deprecated" : false,
  "documentation" : "<p>The current status of the Elasticsearch domain.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>
@see #domainStatus(ElasticsearchDomainStatus)",
  "fluentSetterMethodName" : "domainStatus",
  "getterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>

@see #domainStatus(ElasticsearchDomainStatus)",
  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainStatus",
    "uri" : false
  }
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>
@param domainStatus The current status of the Elasticsearch domain.",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
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"simple" : false,
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"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : "<p>The current status of the Elasticsearch domain.</p>
simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"DomainStatus" : {
"beanStyleGetterMethodName" : "getDomainStatus",
"beanStyleSetterMethodName" : "setDomainStatus",
"c2jName" : "DomainStatus",
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>&nThis is a convenience that creates an instance of the { @link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchDomainStatus#builder()}.\n\nWhen the { @link Consumer} completes, { @link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to { @link #domainStatus(ElasticsearchDomainStatus)}\n\n@param domainStatus a consumer that will call methods on { @link ElasticsearchDomainStatus.Builder}\n@returns a reference to this object so that method calls can be chained together.\n@see #domainStatus(ElasticsearchDomainStatus)",
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch domain.</p>"
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>@param domainStatus The current status of the Elasticsearch domain.<p>@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>@return The current status of the Elasticsearch domain."

"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchDomainStatus",
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>@param domainStatus The current status of the Elasticsearch domain.",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
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  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus"
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : ":p>\nThe current status of the Elasticsearch domain.<p>",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
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"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : ":p>\nThe current status of the Elasticsearch domain.<p>
This is a convenience that creates an instance of the { @link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchDomainStatus#builder()}.
When the { @link Consumer} completes, { @link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchDomainStatus.ElasticsearchDomainStatus} a consumer that will call methods on { @link ElasticsearchDomainStatus.Builder}.
@returns Returns a reference to this object so that method calls can be chained together.
@see #domainStatus(ElasticsearchDomainStatus)",
"deprecated" : false,
"documentation" : ":p>\nThe current status of the Elasticsearch domain.<p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : ":p>\nThe current status of the Elasticsearch domain.<p>
The current status of the Elasticsearch domain.
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "\nThe current status of the Elasticsearch domain.<p>@returns The current status of the Elasticsearch domain.",
"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "The current status of the Elasticsearch domain.
@param domainStatus The current status of the Elasticsearch domain.",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "The current status of the Elasticsearch domain.",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
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"xmlNameSpaceUri" : null
}]},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainStatus" ],
"shapeName" : "DescribeElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainResponse",
  "variableName" : "describeElasticsearchDomainResponse",
  "variableType" : "DescribeElasticsearchDomainResponse",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchDomainResponse",
  "variableSetterType" : "DescribeElasticsearchDomainResponse"
},
"wrapper" : false
},
"DescribeElasticsearchDomainsRequest" : {
  "c2jName" : "DescribeElasticsearchDomainsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for the parameters to the <code><a>DescribeElasticsearchDomains</a></code> operation. By default, the API returns the status of all Elasticsearch domains."}
The Elasticsearch domains for which you want information. This is a convenience that creates an instance of the `List<String>.Builder` avoiding the need to create one manually via `List<String>#builder()`. When the `Consumer` completes, `List<String>.Builder#build()` is called immediately and its result is passed to `#domainNames(List<String>)`. The Elasticsearch domains for which you want information.

Attends to modify the collection returned by this method will result in an `UnsupportedOperationException`. Returns a reference to this object so that method calls can be chained together.

Attempt to modify the collection returned by this method will result in an `UnsupportedOperationException`. Returns a reference to this object so that method calls can be chained together.
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String.Builder() }.\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String)}.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@see #member(String)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\nThe value of the Member property for this object."
  },
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "isBinary" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object."
@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"setterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param domainNames The Elasticsearch domains for which you want information.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "domainNames",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "domainNames",
"variableType" : "java.util.List<String>",
"documentation" : "<p>The Elasticsearch domains for which you want information.</p>
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}]

"membersAsMap" : {
"DomainNames" : {
"beanStyleGetterMethodName" : "getDomainNames",
"beanStyleSetterMethodName" : "setDomainNames",
"c2jName" : "DomainNames",
"c2jShape" : "DomainNameList",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link #domainNames(List<String>)}.
@param domainNames a consumer that will call methods on { @link List<String>.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainNames(List<String>)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch domains for which you want information.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainNames",
"fluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param domainNames The Elasticsearch domains for which you want information.
@return
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Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainNames",
"getterDocumentation" : "The Elasticsearch domains for which you want information.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException."

return The Elasticsearch domains for which you want information.

"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainNames",
  "queryString" : false,
  "unmarshallLocationName" : "DomainNames",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,

"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}.\n\n@see #member(String)"
}
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
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  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
 "beanStyleGetterMethodName" : "getDomainNames",
 "beanStyleSetterMethodName" : "setDomainNames",
 "c2jName" : "DomainNames",
 "c2jShape" : "DomainNameList",
 "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information. </p>
 "@param domainNames a consumer that will call methods on @link List&lt;String&gt;.Builder\n when the @link Consumer completes, \n @link List&lt;String&gt;.Builder#build() is called immediately and its result is passed to \n @link List&lt;String&gt;\n .\n @see #domainNames(List&lt;String&gt;)",
 "deprecated" : false,
 "documentation" : "The Elasticsearch domains for which you want information. </p>",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "domainNames",
 "fluentSetterDocumentation" : "The Elasticsearch domains for which you want information. \n @return Returns a reference to this object so that method calls can be chained together.\n @see #domainNames(List&lt;String&gt;)",
 "getterDocumentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterModel" : {
 "returnType" : "java.util.List&lt;String&gt;",
 "documentation" : null
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 "http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainNames",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainNames",
 "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch domains for which you want information.\n @param domainNames The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n @see #domainNames(List&lt;String&gt;)",
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 "documentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "enumType" : null,
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 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "domainNames",
 "fluentSetterDocumentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterDocumentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterModel" : {
 "returnType" : "java.util.List&lt;String&gt;",
 "documentation" : null
 },
 "http" : {
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 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainNames",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainNames",
ouncement" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterDocumentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterModel" : {
 "returnType" : "java.util.List&lt;String&gt;",
 "documentation" : null
 },
 "http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainNames",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainNames",
 "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch domains for which you want information.\n @param domainNames The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n @see #domainNames(List&lt;String&gt;)",
 "deprecated" : false,
 "documentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "domainNames",
 "fluentSetterDocumentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterDocumentation" : "The Elasticsearch domains for which you want information.\n @return Returns a reference to this object so that method calls can be chained together.\n",
 "getterModel" : {
 "returnType" : "java.util.List&lt;String&gt;",
 "documentation" : null
 },
 "http" : {
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainNames",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainNames",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #member(String)\}.\n\n@param member a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
"marshallerLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallerLocationName": "member",
"uri": false
],
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName": "setMember",
"setterModel": {

"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {

"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
}
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"setterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param domainNames The Elasticsearch domains for which you want information.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
} ,
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The Elasticsearch domains for which you want information.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
} ,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainNames" ],
"shapeName" : "DescribeElasticsearchDomainsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainsRequest",
  "variableName" : "describeElasticsearchDomainsRequest",
  "variableType" : "DescribeElasticsearchDomainsRequest",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchDomainsRequest",
  "variableSetterType" : "DescribeElasticsearchDomainsRequest"
},
"wrapper" : false
},
"DescribeElasticsearchDomainsResponse" : {
  "c2jName" : "DescribeElasticsearchDomainsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>The result of a <code>DescribeElasticsearchDomains</code> request. Contains the status of the specified domains or all domains owned by the account.\n\n"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshallers" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainStatusList",
  "beanStyleSetterMethodName" : "setDomainStatusList",
  "c2jName" : "DomainStatusList",
  "c2jShape" : "ElasticsearchDomainStatusList",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the domains requested in the \n\n<code>DescribeElasticsearchDomains</code> request.\n\nThis is a convenience that creates an instance of the \n{@link List<
ElasticsearchDomainStatus>.Builder} avoiding the need to create one manually via \n{@link \nList<
ElasticsearchDomainStatus>#builder()}.\n\nWhen the {\n@link Consumer} completes, \n{@link \nList<
ElasticsearchDomainStatus>.Builder#build()} is called immediately and its result is passed to \n{@link \n#domainStatusList(List<
ElasticsearchDomainStatus>)}.\n\n@\n@param domainStatusList a consumer that will call methods on \n{@link \nList<
ElasticsearchDomainStatus>.Builder}\n\n@\n@return Returns a reference to this object so that method calls can be chained together.\n\n@\nsee #domainStatusList(List<
ElasticsearchDomainStatus>)\n\n"deprecated" : false,
"documentation" : "<p>The status of the domains requested in the \n\n<code>DescribeElasticsearchDomains</code> request.\n\n"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",
"fluentSetterDocumentation" : "<p>The status of the domains requested in the \n\n<code>DescribeElasticsearchDomains</code> request.\n\n@param domainStatusList The status of the domains requested in the \n\n<code>DescribeElasticsearchDomains</code> request.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n"fluentSetterMethodName" : "domainStatusList",
"getterDocumentation" : "<p>The status of the domains requested in the \n\n<code>DescribeElasticsearchDomains</code> request.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperation\nException.\n\n"return The status of the domains requested
in the <code>DescribeElasticsearchDomains</code> request.

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getterModel : {
"returnType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null
},

http : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatusList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatusList",
"uri" : false
},

idempotencyToken : false,
isBinary : false,
jsonValue : false,
list : true,

listModel : {
implType : "java.util.ArrayList",
interfaceType : "java.util.List",

listMemberModel : {

beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ElasticsearchDomainStatus",

defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}. When the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {@link #member(ElasticsearchDomainStatus)}. @param member a consumer that will call methods on {@link ElasticsearchDomainStatus.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #member(ElasticsearchDomainStatus)",

deprecated" : false,
"documentation" : "",
enumType : null,
eventIdHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
```

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"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "member",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable": {
  "variableDeclarationType": "ElasticsearchDomainStatus",
  "variableName": "member",
  "variableType": "ElasticsearchDomainStatus",
  "documentation": "",
  "simpleType": "ElasticsearchDomainStatus",
  "variableSetterType": "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "ElasticsearchDomainStatus",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "ElasticsearchDomainStatus",
"templateImplType": "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType": "java.util.List<ElasticsearchDomainStatus>",
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "DomainStatusList",
"setterDocumentation": "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>
@param domainStatusList The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request",
"setterMethodName": "setDomainStatusList",
"setterModel": {
  "variableDeclarationType": "java.util.List<ElasticsearchDomainStatus>",
  "variableName": "domainStatusList",
  "variableType": "java.util.List<ElasticsearchDomainStatus>",
  "documentation": null,
  "simpleType": "List<ElasticsearchDomainStatus>",
  "variableSetterType": "java.util.Collection<ElasticsearchDomainStatus>",
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<ElasticsearchDomainStatus>",
  "variableName": "domainStatusList",
  "variableType": "java.util.List<ElasticsearchDomainStatus>",
  "documentation": "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
  "simpleType": "List<ElasticsearchDomainStatus>",
  "variableSetterType": "java.util.Collection<ElasticsearchDomainStatus>",
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<ElasticsearchDomainStatus>",
  "variableName": "domainStatusList",
  "variableType": "java.util.List<ElasticsearchDomainStatus>",
  "documentation": "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
  "simpleType": "List<ElasticsearchDomainStatus>",
  "variableSetterType": "java.util.Collection<ElasticsearchDomainStatus>",
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<ElasticsearchDomainStatus>",
  "variableName": "domainStatusList",
  "variableType": "java.util.List<ElasticsearchDomainStatus>",
  "documentation": "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
  "simpleType": "List<ElasticsearchDomainStatus>",
  "variableSetterType": "java.util.Collection<ElasticsearchDomainStatus>",
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<ElasticsearchDomainStatus>",
  "variableName": "domainStatusList",
  "variableType": "java.util.List<ElasticsearchDomainStatus>",
  "documentation": "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
  "simpleType": "List<ElasticsearchDomainStatus>",
  "variableSetterType": "java.util.Collection<ElasticsearchDomainStatus>",
"simple": false,
"timestampFormat": null,"xmlNameSpaceUri": null
"membersAsMap" : {
    "DomainStatusList" : {
        "beanStyleGetterMethodName" : "getDomainStatusList",
        "beanStyleSetterMethodName" : "setDomainStatusList",
        "c2jName" : "DomainStatusList",
        "c2jShape" : "ElasticsearchDomainStatusList",
        "defaultConsumerFluentSetterDocumentation" : "The status of the domains requested in the<br><code>DescribeElasticsearchDomains</code> request. This is a convenience that creates an instance of the<br>{@link List<ElasticsearchDomainStatus>}.Builder} avoiding the need to create one manually via {@link<br>List<ElasticsearchDomainStatus>#builder()}. When the {@link Consumer} completes, {@link<br>List<ElasticsearchDomainStatus>}.Builder#build()} is called immediately and its result is passed to {@link<br>#domainStatusList(List<ElasticsearchDomainStatus>)}. Returns a reference to this object so that<br>method calls can be chained together.

        "documentation" : "The status of the domains requested in the<br><code>DescribeElasticsearchDomains</code> request.",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "domainStatusList",
        "fluentSetterDocumentation" : "The status of the domains requested in the<br><code>DescribeElasticsearchDomains</code> request.

        "getterDocumentation" : "The status of the domains requested in the<br><code>DescribeElasticsearchDomains</code> request.

        "getterModel" : {
            "returnType" : "java.util.List<ElasticsearchDomainStatus>",
            "documentation" : null
        }},
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "DomainStatusList",
        }
    }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatusList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [link ElasticsearchDomainStatus.Builder] avoiding the need to create one manually via [link ElasticsearchDomainStatus#builder()].\nWhen the [link Consumer] completes, [link ElasticsearchDomainStatus.Builder#build()] is called immediately and its result is passed to [link #member(ElasticsearchDomainStatus)].\n@throws IllegalArgumentException if the value passed is not a valid instance of ElasticsearchDomainStatus.\n@throws IllegalArgumentException if the value passed is null.\n@throws ElasticsearchInvalidArgument if the value passed is invalid.\n\n@see #member(ElasticsearchDomainStatus)"
  }
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"flattened" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\nThe value of the Member property for this object.\n@returns The value of the Member property for this object.\n",
"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : "null"
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
"setterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.\n@param domainStatusList The status of the domains requested in the <code>DescribeElasticsearchDomains</code> request.\nsetterMethodName" : "setDomainStatusList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : null,
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.\n@param domainStatusList a consumer that will call
methods on { @link List<ElasticsearchDomainStatus>.Builder} avoiding the need to create one manually via { @link
List<ElasticsearchDomainStatus>#builder()}.\nWhen the { @link Consumer} completes, { @link
List<ElasticsearchDomainStatus>.Builder#build()} is called immediately and its result is passed to { @link
#domainStatusList(List<ElasticsearchDomainStatus>)\n@param domainStatusList a consumer that will call
methods on { @link List<ElasticsearchDomainStatus>.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #domainStatusList(List<ElasticsearchDomainStatus>)",
  "deprecated" : false,
"documentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.".

"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",
"fluentSetterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.

@param domainStatusList The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainStatusList",
"getterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.

"getterModel" : {
"returnType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatusList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatusList",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"documentation" : null
}
}
}
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link ElasticsearchDomainStatus.Builder] avoiding the need to create one manually via [link ElasticsearchDomainStatus#builder()]. When the [link Consumer] completes, [link ElasticsearchDomainStatus.Builder#build()] is called immediately and its result is passed to [link Member(ElasticsearchDomainStatus)].

@param member a consumer that will call methods on [link ElasticsearchDomainStatus.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(ElasticsearchDomainStatus)

"deprecated" : false,
"documentation" : ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {  
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  "variableName": "member",
  "variableType": "ElasticsearchDomainStatus",
  "documentation": null,
  "simpleType": "ElasticsearchDomainStatus",
  "variableSetterType": "ElasticsearchDomainStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {  
  "variableDeclarationType": "ElasticsearchDomainStatus",
  "variableName": "member",
  "variableType": "ElasticsearchDomainStatus",
  "documentation": null,
  "simpleType": "ElasticsearchDomainStatus",
  "variableSetterType": "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "ElasticsearchDomainStatus",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "ElasticsearchDomainStatus",
"templateImplType": "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType": "java.util.List<ElasticsearchDomainStatus>",
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "DomainStatusList",
"setterDocumentation": "<p>The status of the domains requested in the<code>DescribeElasticsearchDomains</code> request.\n\n@param domainStatusList The status of the domains requested in the<code>DescribeElasticsearchDomains</code> request."",
"setterMethodName": "setDomainStatusList",
"setterModel": {  
  "variableDeclarationType": "java.util.List<ElasticsearchDomainStatus>",
  "variableName": "domainStatusList",
  "variableType": "java.util.List<ElasticsearchDomainStatus>",
  "xmlNameSpaceUri": null,
  "memberLocationName": null,
  "memberType": "ElasticsearchDomainStatus",
  "map": false,
  "memberAdditionalMarshallingPath": null,
  "memberAdditionalUnmarshallingPath": null,
  "simple": false,
  "simpleType": "ElasticsearchDomainStatus",
  "templateImplType": "java.util.ArrayList<ElasticsearchDomainStatus>",
  "templateType": "java.util.List<ElasticsearchDomainStatus>"
}
"documentation" : null,
"simpleType" : "List<ElasticsearchDomainStatus>",
"variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
"variableName" : "domainStatusList",
"variableType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
"simpleType" : "List<ElasticsearchDomainStatus>",
"variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainStatusList" ],
"shapeName" : "DescribeElasticsearchDomainsResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainsResponse",
"variableName" : "describeElasticsearchDomainsResponse",
"variableType" : "DescribeElasticsearchDomainsResponse",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainsResponse",
"variableSetterType" : "DescribeElasticsearchDomainsResponse"
},
"wrapper" : false
},
"DescribeElasticsearchInstanceTypeLimitsRequest" : {
"c2jName" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p> Container for the parameters to <code>
<a>DescribeElasticsearchInstanceTypeLimits</a> </code>
operation. </p>"
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DescribeElasticsearchInstanceTypeLimits",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/instanceTypeLimits/{ElasticsearchVersion}/{InstanceType}",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits</a&gt;</code> for existing domain. &lt;/p&gt;\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.
  "deprecated" : false,
  "documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits</a&gt;</code> for existing domain. &lt;/p&gt;",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits</a&gt;</code> for existing domain. &lt;/p&gt;\n@see #domainName(String)",
  "getterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits</a&gt;</code> for existing domain. &lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
};
This should be present only if we are querying for Elasticsearch `<code> <a>Limits</a> </code>` for existing domain.

```
@<p>

DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code> <a>Limits</a> </code>` for existing domain.

```

```


```
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code><a>Limits</a></code> for existing domain. \</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. \</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. \nWhen the {@link Consumer} completes,{@link String.Builder#build()} is called immediately and its result is passed to {@link #instanceTypeAsString(String)}.

When the Consumer completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #instanceTypeAsString(String)}.

\n@see #instanceTypeAsString(String)

\n@deprecated" : false,
"documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. \</p>"
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterMethodName" : "instanceTypeAsString",
"getterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. \</p>"
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "InstanceType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceType",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "InstanceType",
"setterDocumentation": "<p>The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.<code>@see ESPartitionInstanceType</code></p>",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"xmlNameSpaceUri" : null,
}, {
    "beanStyleGetterMethodName" : "getElasticsearchVersion",
    "beanStyleSetterMethodName" : "setElasticsearchVersion",
    "c2jName" : "ElasticsearchVersion",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed. </p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.  
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #elasticsearchVersion(String)}.  
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)",
    "deprecated" : false,
    "documentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed. </p>
"enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "elasticsearchVersion",
    "fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "elasticsearchVersion",
    "getterDocumentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed. </p>
@return Version of Elasticsearch for which <code><a>Limits</a></code> are needed.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed. 
@param elasticsearchVersion Version of Elasticsearch for which <code><a>Limits</a></code> are needed. ",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed. </p>
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code><a>Limits</a></code> for existing domain. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the{@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}. 
@param domainName a consumer that will call methods on {@link String.Builder}
@returns Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This
should be present only if we are querying for Elasticsearch <code> limits </code> for existing domain. 

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "\n DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> limits </code> for existing domain. \n\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName": "domainName",
"getterDocumentation": "\n DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> limits </code> for existing domain. \n\n@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> limits </code> for existing domain."

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "domainName",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "domainName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "\n DomainName represents the name of the Domain that we are trying to modify.
This should be present only if we are querying for Elasticsearch `<code>` `<a>Limits</a>` `<code>` for existing domain.

```java
@Param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>Limits</a>` `<code>` for existing domain.

```
@param elasticsearchVersion Version of Elasticsearch for which `<code>` `<a>Limits</a>` `<code>` are needed.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "Version of Elasticsearch for which `<code>` `<a>Limits</a>` `<code>` are needed.

@returns Version of Elasticsearch for which `<code>` `<a>Limits</a>` `<code>` are needed.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "uri",
    "marshallLocation" : "PATH",
    "marshallLocationName" : "ElasticsearchVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchVersion",
    "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "Version of Elasticsearch for which `<code>` `<a>Limits</a>` `<code>` are needed.

@returns Version of Elasticsearch for which `<code>` `<a>Limits</a>` `<code>` are needed.

"setterMethod Name" : "setElasticsearchVersion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "beanStyleGetterMethodName" : "getInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setInstanceType",
  "c2jName" : "InstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>

  "deprecated" : false,
  "documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "instanceType",
  "fluentEnumSetterMethodName" : "instanceType",
  "fluentGetterMethodName" : "instanceTypeAsString",
  "fluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>
  "fluentSetterMethodName" : "instanceType",
  "getterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceType",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. 
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. 
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link 
#domainName(String)}.

@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. 
</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. 
</p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.

@see #domainName(String)",
"getterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. 
</p>
@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.

@see #domainName(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>

\@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain.
",

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>

\@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain.
",

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",

"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>

\@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain.
",

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>

\@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain.
",

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed. This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #instanceTypeAsString(String)}`.

When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #instanceTypeAsString(String)}`.

The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed. The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed.

If the service returns an enum value that is not available in the current SDK version, `{@link #instanceType}` will return `{@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}`. The raw value returned by the service is available from `{@link #instanceTypeAsString(String)}`.

The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed. The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed.

The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed. The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed.

The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed. The instance type for an Elasticsearch cluster for which Elasticsearch limits are needed.
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "InstanceType",
"setterDocumentation": "<p>The instance type for an Elasticsearch cluster for which Elasticsearch <code>Limits</code> are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code>Limits</code> are needed.<br/>
@see ESPartitionInstanceType",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "The instance type for an Elasticsearch cluster for which Elasticsearch <code>Limits</code> are needed. <p>
\@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code>Limits</code> are needed.<br/>
\@see ESPartitionInstanceType",
  "variableSetterType": "String"}
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "<p>Version of Elasticsearch for which <code>Limits</code> are needed. </p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #elasticsearchVersion(String)].\n\n\@param elasticsearchVersion a consumer that will call methods on [@link String.Builder]\n\@return Returns a reference to this object so that method calls can be chained together.<br/>
\@see #elasticsearchVersion(String)",
"deprecated": false,
"documentation": "Version of Elasticsearch for which <code>Limits</code> are needed. \n\@param elasticsearchVersion a consumer that will call methods on [@link String.Builder]\n\@return Returns a reference to this object so that method calls can be chained together.<br/>
\@see #elasticsearchVersion(String)",
"elementName": "ElasticsearchVersion",
"hasModifierMethods": false,
"isComposite": false,
"isList": false,
"isMap": false,
"isNested": false,
"isPrimitive": true,
"isWrapperType": false,
"marshallingType": "STRING",
"name": "ElasticsearchVersion",
"setterDocumentation": "<p>Version of Elasticsearch for which <code>Limits</code> are needed. </p>
\@param elasticsearchVersion a consumer that will call methods on [@link String.Builder]\n\@return Returns a reference to this object so that method calls can be chained together.<br/>
\@see #elasticsearchVersion(String)",
"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": "The instance type for an Elasticsearch cluster for which Elasticsearch <code>Limits</code> are needed. <p>
\@param elasticsearchVersion a consumer that will call methods on [@link String.Builder]\n\@return Returns a reference to this object so that method calls can be chained together.<br/>
\@see #elasticsearchVersion(String)",
  "variableSetterType": "String"},
"xmlNameSpaceUri": null
}
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. &lt;/p&gt;\n@param elasticsearchVersion Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "<p>Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\n\n@return Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\n",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "<p>Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. &lt;/p&gt;\n@param elasticsearchVersion Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion"
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "InstanceType", "ElasticsearchVersion" ],
"shapeName": "DescribeElasticsearchInstanceTypeLimitsRequest",
"simpleMethod": false,
"unmarshaller": false,
"variable": {
  "variableDeclarationType": "DescribeElasticsearchInstanceTypeLimitsRequest",
  "variableName": "describeElasticsearchInstanceTypeLimitsRequest",
  "variableType": "DescribeElasticsearchInstanceTypeLimitsRequest",
  "documentation": null,
  "simpleType": "DescribeElasticsearchInstanceTypeLimitsRequest",
  "variableSetterType": "DescribeElasticsearchInstanceTypeLimitsRequest"
},
"wrapper": false
},
"DescribeElasticsearchInstanceTypeLimitsResponse": {
  "c2jName": "DescribeElasticsearchInstanceTypeLimitsResponse",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p> Container for the parameters received from <code> <a>DescribeElasticsearchInstanceTypeLimits</a> </code> operation. </p>",
  "enums": null,
  "errorCode": null,
  "event": false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ]

"beanStyleGetterMethodName" : "getLimitsByRole",
"beanStyleSetterMethodName" : "setLimitsByRole",
"c2jName" : "LimitsByRole",
"c2jShape" : "LimitsByRole",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this
object.\nThis is a convenience that creates an instance of the [@link Map<String,Limits>.Builder] avoiding the
need to create one manually via [@link Map<String,Limits>#builder()].\nWhen the [@link Consumer] completes, [@link Map<String,Limits>.Builder#build()] is called immediately and its result is passed to [@link
limitsByRole(Map<String,Limits>)]\n@returns a reference to this object so that method calls can be chained
together.\n@see #limitsByRole(Map<String,Limits>)",

deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitsByRole",
"fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n@returns a reference to this object so that method calls can be chained
together.\n@see #limitsByRole(Map<String,Limits>)",

"getterModel" : {
  "returnType" : "java.util.Map<String,Limits>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitsByRole",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitsByRole",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "InstanceRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via
{ @link String.Builder#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #key(String)}.
@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@see #key(String)",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.
@see #key(String)",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    }
  }
}
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "Limits",
"defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {@link Limits.Builder} avoiding the need to create one manually via {@link Limits.Builder#builder()}. When the {@link Consumer} completes, {@link Limits.Builder#build()} is called immediately and its result is passed to {@link #value(Limits)}. @param value a consumer that will call methods on {@link Limits.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #value(Limits)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@link Limits.Builder

When the Consumer completes, Limits.Builder#build() is called immediately and its result is passed to #value(Limits).

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see #value(Limits)",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@link Limits.Builder

When the Consumer completes, Limits.Builder#build() is called immediately and its result is passed to #value(Limits).

@return The value of the Value property for this object.

@see #value(Limits)",
"getterModel" : {
"returnType" : "Limits",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "Limits",
  "variableName" : "value",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Limits",
  "variableName" : "value",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, Limits>",
"templateType" : "java.util.Map<String,Limits>"
},
"marshallingType" : "MAP",
"name" : "LimitsByRole",
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object.

@param limitsByRole The new value for the LimitsByRole property for this object.",
"setterMethodName" : "setLimitsByRole",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"}
"variableName": "limitsByRole",
"variableType": "java.util.Map<String,Limits>",
"documentation": "",
"simpleType": "Map<String,Limits>",
"variableSetterType": "java.util.Map<String,Limits>",
"xmlNameSpaceUri": null,
"membersAsMap": {
  "LimitsByRole": {
    "beanStyleGetterMethodName": "getLimitsByRole",
    "beanStyleSetterMethodName": "setLimitsByRole",
    "c2jName": "LimitsByRole",
    "c2jShape": "LimitsByRole",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the LimitsByRole property for this object. This is a convenience that creates an instance of the [Map<String,Limits>.Builder] avoiding the need to create one manually via [Map<String,Limits>#builder()]. When the [Consumer] completes, [Map<String,Limits>.Builder#build()] is called immediately and its result is passed to [limitsByRole(Map<String,Limits>)].

@see #limitsByRole(Map<String,Limits>)",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "limitsByRole",
    "fluentSetterDocumentation": "Sets the value of the LimitsByRole property for this object. The new value for the LimitsByRole property for this object so that method calls can be chained together.",
    "fluentSetterMethodName": "limitsByRole",
    "getterDocumentation": "Returns the value of the LimitsByRole property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException."
  },
  "returnType": "java.util.Map<String,Limits>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitsByRole",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitsByRole",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "InstanceRole",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{ @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}. When the { @link String.Builder} completes, returning a reference to this object so that method calls can be chained together.

@see #key(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@returns a reference to this object so that method calls can be chained together.

@see #key(String)",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

The value of the Key property for this object.

@returns a reference to this object so that method calls can be chained together.

@see #key(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@\param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "Limits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the { @link Limits.Builder} avoiding the need to create one manually via { @link Limits#builder()}. When the { @link Consumer} completes, { @link Limits.Builder#build()} is called immediately and its result is passed to { @link #value(Limits)}. @param value a consumer that will call methods on { @link Limits.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #value(Limits)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.
  @param value The new value for the Value property for this object.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.
  @return The value of the Value property for this object.",
  "getterModel" : {
    "returnType" : "Limits",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "Limits",
  "variableName": "value",
  "variableType": "Limits",
  "documentation": null,
  "simpleType": "Limits",
  "variableSetterType": "Limits"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Limits",
  "variableName": "value",
  "variableType": "Limits",
  "documentation": "",
  "simpleType": "Limits",
  "variableSetterType": "Limits"
},
"xmlNameSpaceUri": null
},
"entryType": "java.util.Map<String,Limits>",
"templateType": "java.util.Map<String,Limits>"
},
"marshallingType": "MAP",
"name": "LimitsByRole",
"setterDocumentation": "Sets the value of the LimitsByRole property for this object.

@param limitsByRole The new value for the LimitsByRole property for this object.",
"setterMethodName": "setLimitsByRole",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,Limits>",
  "variableName": "limitsByRole",
  "variableType": "java.util.Map<String,Limits>",
  "documentation": null,
  "simpleType": "Map<String,Limits>",
  "variableSetterType": "java.util.Map<String,Limits>"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType" : "java.util.Map<String,Limits>",
"variableName" : "limitsByRole",
"variableType" : "java.util.Map<String,Limits>",
"documentation" : "",
"simpleType" : "Map<String,Limits>",
"variableSetterType" : "java.util.Map<String,Limits>"
},
"xmlnsSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getLimitsByRole",
"beanStyleSetterMethodName" : "setLimitsByRole",
"c2jName" : "LimitsByRole",
"c2jShape" : "LimitsByRole",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object. This is a convenience that creates an instance of the \[@link Map<String,Limits>.Builder\] avoiding the need to create one manually via \[@link Map<String,Limits>#builder()\]. When the \[@link Consumer\] completes, \[@link Map<String,Limits>.Builder#build()\] is called immediately and its result is passed to \[@link #limitsByRole(Map<String,Limits>)\].\n\n@deprecated\n@see #limitsByRole(Map<String,Limits>)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitsByRole",
"fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object. The new value for the LimitsByRole property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "limitsByRole",
"getterDocumentation" : "Returns the value of the LimitsByRole property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return The value of the LimitsByRole property for this object."
,"getterModel" : { 
"returnType" : "java.util.Map<String,Limits>",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"http": {
  "additionalMarshallingPath": null,
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  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "key",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "key",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "Sets the value of the Key property for this object.

@\n@\n@param key The new value for the Key property for this object."
, "setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
"valueLocationName" : "value",
"valueModel" : { 
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "Limits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {link Limits.Builder} avoiding the need to create one manually via {link Limits#builder()}. When the {link Consumer} completes, {link Limits.Builder#build()} is called immediately and its result is passed to {link value(Limits)}.
  
  @param value a consumer that will call methods on {link Limits.Builder}.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #value(Limits)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.
  
  The new value for the Value property for this object.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.
  @return The value of the Value property for this object.",
  "getterModel" : { 
    "returnType" : "Limits",
    "documentation" : null
  },
  
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.\
@\param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "Limits",
  "variableName": "value",
  "variableType": "Limits",
  "documentation": null,
  "simpleType": "Limits",
  "variableSetterType": "Limits"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Limits",
  "variableName": "value",
  "variableType": "Limits",
  "documentation": "",
  "simpleType": "Limits",
  "variableSetterType": "Limits"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, Limits>",
"templateType": "java.util.Map<String,Limits>"
},
"marshallingType": "MAP",
"name": "LimitsByRole",
"setterDocumentation": "Sets the value of the LimitsByRole property for this object.\
@\param limitsByRole The new value for the LimitsByRole property for this object.",
"setterMethodName": "setLimitsByRole",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,Limits>",
  "variableName": "limitsByRole",
  "variableType": "java.util.Map<String,Limits>",
  "documentation": null,
  "simpleType": "Map<String,Limits>",
  "variableSetterType": "java.util.Map<String,Limits>"
},
"simple": false,
"timestampFormat": null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : "",
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
}
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeElasticsearchInstanceTypeLimitsResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
  "variableName" : "describeElasticsearchInstanceTypeLimitsResponse",
  "variableType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
  "variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsResponse"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstanceOfferingsRequest" : {
  "c2jName" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for parameters to
<code>DescribeReservedElasticsearchInstanceOfferings</code></p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DescribeReservedElasticsearchInstanceOfferings",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/reservedInstanceOfferings",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
  
  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link reservedElasticsearchInstanceOfferingId(String)}.${ @param reservedElasticsearchInstanceOfferingId a consumer that will call methods on { @link String.Builder} that returns a reference to this object so that method calls can be chained together.}
  
  Returns a reference to this object so that method calls can be chained together.
  
  @param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier. Returns a reference to this object so that method calls can be chained together."
},
  "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.";
  "eventType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier. Returns a reference to this object so that method calls can be chained together.";
  "getDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.";
  "getterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.";
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
  },
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
@param reservedElasticsearchInstanceOfferingId
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()]. When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #maxResults(Integer)].</p><p>@param maxResults a consumer that will call methods on [@link Integer.Builder]</p><p>@return Returns a reference to this object so that method calls can be chained together.</p><p>@see #maxResults(Integer)"
"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>\n\nSet this value to limit the number of results returned. If not specified, defaults to 100.\n\n@return Returns a reference to this object so that method calls can be chained together."
","fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
\n\nGet this value to limit the number of results returned. If not specified, defaults to 100.\n\n@return Returns a reference to this object so that method calls can be chained together."
,"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>The is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String#builder()\}.\n\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #nextToken(String)\}.\n\n@link String.Builder\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>"},
"enumType" : null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "nextToken",
"getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "nextToken",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"setterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setNextToken",
"setterModel": {
"variableDeclarationType": "String"}
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"MaxResults" : {
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()]. When the [@link Consumer] completes, [@link Integer.Builder#build()]) is called immediately and its result is passed to [@link MaxResults(Integer)].
@returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)",
"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>@returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>@return Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"getterModel" : 

"returnType" : "Integer",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>"
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlnsNameSpaceUri": null
},
"NextToken": {
"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. 

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to
{ @link #nextToken(String)}. 

@see
#nextToken(String)

@deprecated": false,
"documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

@see
#nextToken(String)

@deprecated": false,
"documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

@GET
@queryParam
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM"}
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
,"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>"
,"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferingId" : {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link
When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link reservedElasticsearchInstanceOfferingId(String)`.

@returns A reference to this object so that method calls can be chained together.

@see `#reservedElasticsearchInstanceOfferingId(String)`.

The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

`reservedElasticsearchInstanceOfferingId(String)`.

The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

`reservedElasticsearchInstanceOfferingId(String)`.
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\n@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier."

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\nThis is a convenience that creates an instance of the \n [@link String.Builder] avoiding the need to create one manually via \n [@link String#builder()].\n\nWhen the \n [@link String.Builder#build()] is called immediately and its result is passed to \n [@link #reservedElasticsearchInstanceOfferingId(String)].\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
  "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\",
  "enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@returns the offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@returns


@param reservedElasticsearchInstanceOfferingId

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@returns


@param reservedElasticsearchInstanceOfferingId

@return The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@returns


@param reservedElasticsearchInstanceOfferingId

@return

"

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@returns


@param reservedElasticsearchInstanceOfferingId

@return The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@returns


@param reservedElasticsearchInstanceOfferingId

@return

",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier."",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100.\nThis is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer.Builder#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link #maxResults(Integer)\} a consumer that will call methods on \{@link Integer.Builder\}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #maxResults(Integer)"
,
"deprecated" : false,
"documentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100."",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100.\n@returns Returns a reference to this object so that method calls can be chained together."
,
"getterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100."
,
"getterModel" : 

"returnType" : "Integer",
"documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "maxResults",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "maxResults",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.</p>.
"setterMethodName" : "setMaxResults",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : null,
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>,"}
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
{"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. <p>@param nextToken a consumer that will call methods on { @link String.Builder}</p>
@see #nextToken(String)",
"deprecated": false,
"documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "getNextToken",
"fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "nextToken"
NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

```json
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
},
"xmlNameSpaceUri": null
}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeReservedElasticsearchInstanceOfferingsRequest",
"simpleMethod": true,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "variableName": "describeReservedElasticsearchInstanceOfferingsRequest",
  "variableType": null,
  "documentation": null,
  "simpleType": null,
  "variableSetterType": null
}
"marshallingType": "STRING",
"name": "NextToken",
"setterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>"}
"variableType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"documentation" : null,
"simpleType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsRequest"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstanceOfferingsResponse" : {
"c2jName" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for results from <code>DescribeReservedElasticsearchInstanceOfferings</code>"
}"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [{
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via \n{@link String.Builder}.\n\nWhen the {@link @param nextToken a consumer that will call methods on \n{@link String.Builder} \n@see nextToken(String)} completes, \n@link String.Builder#build() is called immediately and its result is passed to \n@link #getNextToken(String)}.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see nextToken(String)"
},
"deprecated" : false,
"documentation" : "Provides an identifier to allow retrieval of paginated results.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see nextToken(String)"
,"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results.\n@param
nextToken Provides an identifier to allow retrieval of paginated results.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Provides an identifier to allow retrieval of paginated results.\n@return Provides an identifier to allow retrieval of paginated results."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Provides an identifier to allow retrieval of paginated results.\n@param
nextToken Provides an identifier to allow retrieval of paginated results."

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
  "c2jName" : "ReservedElasticsearchInstanceOfferings",
  "c2jShape" : "ReservedElasticsearchInstanceOfferingList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
  This is a convenience that creates an instance of the { @link List<ReservedElasticsearchInstanceOffering>.Builder} avoiding the need to create one manually via { @link List<ReservedElasticsearchInstanceOffering>#builder()}.
  When the { @link Consumer} completes, { @link List<ReservedElasticsearchInstanceOffering>.Builder#build() } is called immediately and its result is passed to { @link #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)}.
  @param reservedElasticsearchInstanceOfferings a consumer that will call methods on { @link List<ReservedElasticsearchInstanceOffering>.Builder}.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
  "deprecated" : false,
  "documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
  "fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
  @param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings
  @return Returns a reference to this object so that method calls can be chained together.
  "fluentSetterMethodName" : "reservedElasticsearchInstanceOfferings",
  "getterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
  @param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings
  @return Return List of reserved Elasticsearch instance offerings",
  "getterModel" : {
    "returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ReservedElasticsearchInstanceOfferings",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedElasticsearchInstanceOfferings",
"uri": false
],
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the { @link ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via { @link ReservedElasticsearchInstanceOffering#builder()}.\n\nWhen the { @link Consumer} completes, { @link ReservedElasticsearchInstanceOffering.Builder#build()} is called immediately and its result is passed to { @link #member(ReservedElasticsearchInstanceOffering)}@param member a consumer that will call methods on { @link ReservedElasticsearchInstanceOffering.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #member(ReservedElasticsearchInstanceOffering)",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "member",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "member",
    "getterDocumentation": "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
  }
}
"getterModel": {
  "returnType": "ReservedElasticsearchInstanceOffering"}
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new
value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedElasticsearchInstanceOffering",
  "variableName": "member",
  "variableType": "ReservedElasticsearchInstanceOffering",
  "documentation": null,
  "simpleType": "ReservedElasticsearchInstanceOffering",
  "variableSetterType": "ReservedElasticsearchInstanceOffering"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ReservedElasticsearchInstanceOffering",
  "variableName": "member",
  "variableType": "ReservedElasticsearchInstanceOffering",
  "documentation": "",
  "simpleType": "ReservedElasticsearchInstanceOffering",
  "variableSetterType": "ReservedElasticsearchInstanceOffering"
}.

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"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstanceOffering",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType" : "java.util.List<ReservedElasticsearchInstanceOffering>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstanceOfferings",
"setterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
@param
reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings",
"setterMethodName" : "setReservedElasticsearchInstanceOfferings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName" : "reservedElasticsearchInstanceOfferings",
  "variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : null,
  "simpleType" : "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>
",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
    "variableName" : "reservedElasticsearchInstanceOfferings",
    "variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
    "documentation" : "<p>List of reserved Elasticsearch instance offerings</p>
    "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>
",
    "xmlNameSpaceUri" : null
  }
}
"membersAsMap" : {
  "NextToken" : {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "NextToken",
    "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated
results.\n</p>
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to
create one manually via { @link String#builder() }.\nWhen the { @link Consumer } completes, { @link

String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.\n\n@param nextToken a consumer that will call methods on String.Builder
\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)

"deprecated" : false,
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>\n\n@returns Provides an identifier to allow retrieval of paginated results.\n\n@see #nextToken(String)"

getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
\n@returns Provides an identifier to allow retrieval of paginated results.

getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n\n@returns Provides an identifier to allow retrieval of paginated results.\n\n@see #nextToken(String)"
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferings" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
  "c2jName" : "ReservedElasticsearchInstanceOfferings",
  "c2jShape" : "ReservedElasticsearchInstanceOfferingList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
This is a convenience that creates an instance of the [ @link List<ReservedElasticsearchInstanceOffering>.Builder ] avoiding the need to create one manually via [ @link List<ReservedElasticsearchInstanceOffering>#builder() ]. When the [ @link Consumer ] completes, [ @link List<ReservedElasticsearchInstanceOffering>.Builder#build() ] is called immediately and its result is passed to [ @link List<ReservedElasticsearchInstanceOffering> reservedElasticsearchInstanceOfferings ] a consumer that will call methods on [ @link List<ReservedElasticsearchInstanceOffering>.Builder ]
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceOfferings
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferings",
"xmlNameSpaceUri" : null
}
"getterDocumentation" : "List of reserved Elasticsearch instance offerings
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of reserved Elasticsearch instance offerings",
"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via {ReservedElasticsearchInstanceOffering#builder()}. When the {ReservedElasticsearchInstanceOffering.Builder#build()} is called immediately and its result is passed to {ReservedElasticsearchInstanceOffering.Builder#build()}
  
  @param member a consumer that will call methods on the {ReservedElasticsearchInstanceOffering}.
  @return Returns a reference to this object so that method calls can be chained together. See {ReservedElasticsearchInstanceOffering#build()}
  
  @deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"}
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #nextToken(String) }.
@param nextToken a consumer that will call methods on { @link String.Builder } @param nextToken a consumer that will call methods on { @link String.Builder }
@return Returns a reference to this object so that method calls can be chained together. @see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
Provides an identifier to allow retrieval of paginated results.
@see #nextToken(String)",
"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
Provides an identifier to allow retrieval of paginated results.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
}.
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results."
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : <p>Provides an identifier to allow retrieval of paginated results.</p>
},
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
  "c2jName" : "ReservedElasticsearchInstanceOfferings",
  "c2jShape" : "ReservedElasticsearchInstanceOfferingList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
This is a convenience that creates an instance of the List<ReservedElasticsearchInstanceOffering>.Builder avoiding the need to create one manually via List<ReservedElasticsearchInstanceOffering>#builder(). When the List<ReservedElasticsearchInstanceOffering>#build() is called immediately and its result is passed to List<ReservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)>.param reservedElasticsearchInstanceOfferings a consumer that will call methods on List<ReservedElasticsearchInstanceOffering>.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see
#reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
  "deprecated" : false,
  "documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
"list" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
@param
reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferings",
"getterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of reserved Elasticsearch instance offerings",
"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the { @link
ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via { @link
ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via { @link
ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via { @link
When the {@link Consumer} completes, the build() method of the Builder is called immediately and its result is passed to the member method. A consumer that will call methods on the Builder returns a reference to this object so that method calls can be chained together.

```java
@deprecated
public Member consumer(Consumer<? super ReservedElasticsearchInstanceOffering.Builder> member)
```

Sets the value of the Member property for this object.

```java
@see #member(ReservedElasticsearchInstanceOffering)
```

Returns a reference to this object so that method calls can be chained together.

```java
public Member consumer(Consumer<? super ReservedElasticsearchInstanceOffering.Builder> member)
```

Returns a reference to this object so that method calls can be chained together.

```java

Getting the Member property:

```java
@see #member(ReservedElasticsearchInstanceOffering)
```

Returns the value of the Member property for this object.

```java
public Member getMember()
```

Returns a reference to this object so that method calls can be chained together.

```java
public Member getMember()
```

Returns a reference to this object so that method calls can be chained together.

```java

The new value for the Member property for this object.

```java
@deprecated
public Member setMember(ReservedElasticsearchInstanceOffering member)
```

Returns a reference to this object so that method calls can be chained together.

```java
@see #member(ReservedElasticsearchInstanceOffering)
```

Returns a reference to this object so that method calls can be chained together.

```java

The list of Member properties:

```java
public List<ReservedElasticsearchInstanceOffering> getMembers()
```

The list of Member properties:

```java
public List<ReservedElasticsearchInstanceOffering> getMembers()
```

The list of Member properties:

```java

The map of Member properties:

```java
public Map<String, ReservedElasticsearchInstanceOffering> getMembersMap()
```

The map of Member properties:

```java
public Map<String, ReservedElasticsearchInstanceOffering> getMembersMap()
```

The map of Member properties:

```java

```
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"xmlNameSpaceUri" : null,

"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstanceOffering",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType" : "java.util.List<ReservedElasticsearchInstanceOffering>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstanceOfferings",
"setterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings",
"setterMethodName" : "setReservedElasticsearchInstanceOfferings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>"
},
"variableName" : "reservedElasticsearchInstanceOfferings",
"variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "java.util.List<ReservedElasticsearchInstanceOffering>",
"variableName": "reservedElasticsearchInstanceOfferings",
"variableType": "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation": "List of reserved Elasticsearch instance offerings",
"simpleType": "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType": "java.util.Collection<ReservedElasticsearchInstanceOffering>",
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "DescribeReservedElasticsearchInstanceOfferingsResponse",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "DescribeReservedElasticsearchInstanceOfferingsResponse",
"variableName": "describeReservedElasticsearchInstanceOfferingsResponse",
"variableType": "DescribeReservedElasticsearchInstanceOfferingsResponse",
"documentation": null,
"simpleType": "DescribeReservedElasticsearchInstanceOfferingsResponse",
"variableSetterType": "DescribeReservedElasticsearchInstanceOfferingsResponse"
},
"wrapper": false,

"DescribeReservedElasticsearchInstancesRequest": {
"c2jName": "DescribeReservedElasticsearchInstancesRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "Container for parameters to <code>DescribeReservedElasticsearchInstances</code> 
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
   "action" : "DescribeReservedElasticsearchInstances",
   "locationName" : null,
   "requestUri" : "/2015-01-01/es/reservedInstances",
   "target" : null,
   "verb" : "GET",
   "xmlNameSpaceUri" : null
},
"members" : [
   {
      "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
      "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
      "c2jName" : "ReservedElasticsearchInstanceId",
      "c2jShape" : "GUID",
      "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link reservedElasticsearchInstanceId(String)].\n@param reservedElasticsearchInstanceId a consumer that will call methods on [@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)",
   "deprecated" : false,
   "documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>",
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
   "fluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>\n\n@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n@return Returns a reference to this object so that method calls can be chained together.",
   "fluentSetterMethodName" : "reservedElasticsearchInstanceId",
   "getterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>\n\n@see #reservedElasticsearchInstanceId(String)",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
}
The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.

```

\@param
reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.

```
"variableSetterType": "String",
"xmlNameSpaceUri": null,
},
{
"beanStyleGetterMethodName": "getMaxResults",
"beanStyleSetterMethodName": "setMaxResults",
"c2jName": "MaxResults",
"c2jShape": "MaxResults",
"defaultValueConsumerFluentSetterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
This is a convenience that creates an instance of the {link Integer.Builder} avoiding the need to create one manually via {link Integer#builder()}. When the {link Consumer} completes, {link Integer.Builder#build()} is called immediately and its result is passed to {link Integer#maxResults(Integer)}.

@link Integer.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)",
"deprecated": false,
"documentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@return Set this value to limit the number of results returned. If not specified, defaults to 100.
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "maxResults",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "maxResults",
"variableSetterType": "String"}
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.\n</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.\n",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.\n</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.\n
@returns a reference to this object so that method calls can be chained together.\n
@see #nextToken(String)
,""deprecated" : false,
"documentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\"", "eventType": null, "eventHeader": false, "eventPayload": false, "fluentEnumGetterMethodName": null, "fluentEnumSetterMethodName": null, "fluentGetterMethodName": "nextToken", "fluentSetterDocumentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n@return Returns a reference to this object so that method calls can be chained together.\", "fluentSetterMethodName": "nextToken", "getterDocumentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n\n@\n\n@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\", "getterModel": { "returnType": "String", "documentation": null }, "http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": "querystring", "marshallLocation": "QUERY_PARAM", "marshallLocationName": "nextToken", "queryString": true, "statusCode": false, "unmarshallLocationName": "nextToken", "uri": false }, "idempotencyToken": false, "isBinary": false, "jsonValue": false, "list": false, "listModel": null, "map": false, "mapModel": null, "marshallingType": "STRING", "name": "NextToken", "setterDocumentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n\n@\n\n@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "MaxResults" : {
    "beanStyleGetterMethodName" : "getMaxResults",
    "beanStyleSetterMethodName" : "setMaxResults",
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If
not specified, defaults to 100.</p>
This is a convenience that creates an instance of the [@link Integer.Builder]
avoiding the need to create one manually via [@link Integer#builder()]
.When the [@link Consumer]
completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link
#maxResults(Integer)].

@see
#maxResults(Integer)

"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to
100.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maxResults",
  "fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified,
defaults to 100.</p>
@see
#maxResults(Integer)

"fluentSetterMethodName" : "maxResults",}
"getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@return Set this value to limit the number of results returned. If not specified, defaults to 100.",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "maxResults",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "maxResults",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to
100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
",
"setterMethodName" : "setMaxResults",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : null,
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : null,
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
}
"variableType" : "Integer",
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to
100.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call
produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance
of the @link String.Builder} avoiding the need to create one manually via @link String#builder().\n\nWhen the
{@link Consumer} completes, @link String.Builder#build() is called immediately and its result is passed to
{@link #nextToken(String)}.@param nextToken a consumer that will call methods on @link
String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see
#nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result
containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if
earlier API call produced result containing NextToken. It is used for pagination.@param nextToken Returns a reference to this object so that method calls can be chained together.@."
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result
containing NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.@return Returns a reference to this object so that method calls can be chained together.@.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.".

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId",
  "c2jShape" : "GUID"
"defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)",
"getterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "queryString",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "reservationId",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceId",
"setterDocumentation": "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"setterMethodName": "setReservedElasticsearchInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceId",
  "variableType": "String",
  "documentation": "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName": "setReservedElasticsearchInstanceId",
    "c2jName": "ReservedElasticsearchInstanceId",
    "c2jShape": "GUID",
    "defaultConsumerFluentSetterDocumentation": "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}.<p>
@param reservedElasticsearchInstanceId a consumer that will call methods on {@link String.Builder} and return a reference to this object so that method calls can be chained together.<p>
@see #reservedElasticsearchInstanceId(String)"
}
"deprecated" : false,
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
@return The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "reservationId",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "reservationId",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId"
"setterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",

"setterMethodName" : "setReservedElasticsearchInstanceId",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>",

  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getMaxResults",

"beanStyleSetterMethodName" : "setMaxResults",

"c2jName" : "MaxResults",

"c2jShape" : "MaxResults",

"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>

This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()}) is called immediately and its result is passed to {@link maxResults(Integer)}. a consumer that will call methods on {@link Integer.Builder} returns a reference to this object so that method calls can be chained together.

@see #maxResults(Integer)",

"deprecated" : false,

"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "maxResults",

"fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>

@see #maxResults(Integer)"
Defaults to 100.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "maxResults",
"getterDocumentation": "Set this value to limit the number of results returned. If not specified, defaults to 100.

@return Set this value to limit the number of results returned. If not specified, defaults to 100."

"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "maxResults",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"setterDocumentation": "Set this value to limit the number of results returned. If not specified, defaults to 100."

@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.

"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
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"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link String.Builder} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.\n@param nextToken a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"deprecated": false,
"documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>\nNextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"getDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>\nNextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstancesRequest"
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstancesRequest",
  "variableName" : "describeReservedElasticsearchInstancesRequest",
  "variableType" : "DescribeReservedElasticsearchInstancesRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedElasticsearchInstancesRequest",
  "variableSetterType" : "DescribeReservedElasticsearchInstancesRequest"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstancesResponse" : {
  "c2jName" : "DescribeReservedElasticsearchInstancesResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for results from <code>DescribeReservedElasticsearchInstances</code>.
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "defaultValue" : null,
    "documentation" : "Provides an identifier to allow retrieval of paginated results.
    This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
    create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, this
    is called immediately and its result is passed to {@link #nextToken(String)}.
    @return Returns a reference to this object so that method calls can be chained together.
    @see #nextToken(String)"
  },
  "deprecated" : false,
  "documentation" : "Provides an identifier to allow retrieval of paginated results.
  "enumType" : null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "nextToken",
"getterDocumentation": "<p>Provides an identifier to allow retrieval of paginated results.</p>
@return Provides an identifier to allow retrieval of paginated results."
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NextToken",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"setterDocumentation": "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results."
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null
}
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null}
],
"beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
"c2jName" : "ReservedElasticsearchInstances",
"c2jShape" : "ReservedElasticsearchInstanceList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the { @link List<ReservedElasticsearchInstance>.Builder} avoiding the need to create one manually via { @link List<ReservedElasticsearchInstance>#builder()}.\n\nWhen the { @link Consumer} completes, { @link List<ReservedElasticsearchInstance>.Builder#build()} is called immediately and its result is passed to { @link List<ReservedElasticsearchInstances(List<ReservedElasticsearchInstance>)}.
\n@param reservedElasticsearchInstances a consumer that will call methods on { @link List<ReservedElasticsearchInstance>.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstances",
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
\n@param reservedElasticsearchInstances List of reserved Elasticsearch instances.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstances",
"getterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
\n@throws UnsupportedOperationException\n\nAttemps to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return List of reserved Elasticsearch instances."
"getterModel" : {
"returnType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstances",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ReservedElasticsearchInstance",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n{@link ReservedElasticsearchInstance.Builder} avoiding the need to create one manually via \n{@link ReservedElasticsearchInstance#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link ReservedElasticsearchInstance.Builder#build()} is called immediately and its \nresult is passed to \n{@link #member(ReservedElasticsearchInstance)}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(ReservedElasticsearchInstance)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ReservedElasticsearchInstance",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n{@link ReservedElasticsearchInstance.Builder} avoiding the need to create one manually via \n{@link ReservedElasticsearchInstance#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link ReservedElasticsearchInstance.Builder#build()} is called immediately and its \nresult is passed to \n{@link #member(ReservedElasticsearchInstance)}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(ReservedElasticsearchInstance)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ReservedElasticsearchInstance",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n{@link ReservedElasticsearchInstance.Builder} avoiding the need to create one manually via \n{@link ReservedElasticsearchInstance#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link ReservedElasticsearchInstance.Builder#build()} is called immediately and its \nresult is passed to \n{@link #member(ReservedElasticsearchInstance)}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(ReservedElasticsearchInstance)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"setterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.",
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
  "variableName" : "reservedElasticsearchInstances",
  "variableType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : null,
  "simpleType" : "List<ReservedElasticsearchInstance>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
  "variableName" : "reservedElasticsearchInstances",
  "variableType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : "<p>List of reserved Elasticsearch instances.</p>",
  "simpleType" : "List<ReservedElasticsearchInstance>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"xmlNameSpaceUri" : null
]}. 
"membersAsMap" : {
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to
create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}. 

@param nextToken a consumer that will call methods on \{@link String.Builder\}.

@return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)

"deprecated" : false,

"documentation" : "&lt;p&gt;Provides an identifier to allow retrieval of paginated results.&lt;/p&gt;",

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "nextToken",

"fluentSetterDocumentation" : "&lt;p&gt;Provides an identifier to allow retrieval of paginated results.&lt;/p&gt;",

"fluentSetterMethodName" : "nextToken",

"getterDocumentation" : "&lt;p&gt;Provides an identifier to allow retrieval of paginated results.&lt;/p&gt;",

"getterModel" : {

"returnType" : "String",

"documentation" : null
}

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "NextToken",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "NextToken",

"uri" : false
}

},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "NextToken",

"setterDocumentation" : "&lt;p&gt;Provides an identifier to allow retrieval of paginated results.&lt;/p&gt;",

"param"
nextToken Provides an identifier to allow retrieval of paginated results.

setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : <p>Provides an identifier to allow retrieval of paginated results.</p>
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstances" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
  "c2jName" : "ReservedElasticsearchInstances",
  "c2jShape" : "ReservedElasticsearchInstanceList",
  "defaultConsumerFluentSetterDocumentation" : <p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the [@link List<ReservedElasticsearchInstance>.Builder] avoiding the need to create one manually via [@link List<ReservedElasticsearchInstance>#builder()].\nWhen the [@link Consumer] completes, [@link List<ReservedElasticsearchInstance>.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)].\n@param reservedElasticsearchInstances a consumer that will call methods on [@link List<ReservedElasticsearchInstance>.Builder]\n@returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
  "deprecated" : false,
  "documentation" : "<p>List of reserved Elasticsearch instances.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstances",
  "fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>\n@param reservedElasticsearchInstances List of reserved Elasticsearch instances.\n@returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "reservedElasticsearchInstances",
  "getterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>\n\nAttempts to modify the
collection returned by this method will result in an UnsupportedOperationException.

@return List of reserved Elasticsearch instances.

getterModel" : {
    "returnType" : "java.util.List<ReservedElasticsearchInstance>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstances",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstances",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"implModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "ReservedElasticsearchInstance",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ReservedElasticsearchInstance.Builder] avoiding the need to create one manually via [ReservedElasticsearchInstance#builder()].

When the [get] completes, [ReservedElasticsearchInstance.Builder#build()] is called immediately and its result is passed to [ReservedElasticsearchInstance.Builder#member(ReservedElasticsearchInstance)]

The [get] method calls can be chained together. see [ReservedElasticsearchInstance#member]",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object."

"getterModel" : {
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together."

"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"setterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.
"
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>
",
"xmlNameSpaceUri" : null
}
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #nextToken(String)}.<p>
@param nextToken a consumer that will call methods on {link String.Builder}<p>
@return Returns a reference to this object so that method calls can be chained together.<p>
@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results. <p>
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
"c2jName" : "ReservedElasticsearchInstances",
"c2jShape" : "ReservedElasticsearchInstanceList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the {@link List<ReservedElasticsearchInstance>.Builder} avoiding the need to create one manually via {@link List<ReservedElasticsearchInstance>#builder()}.
When the {@link Consumer} completes, the list is passed to the method that will call methods on the builder. Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstances",
"fluentSetterDocumentation" : "List of reserved Elasticsearch instances.
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "reservedElasticsearchInstances",
"getterDocumentation" : "List of reserved Elasticsearch instances.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return List of reserved Elasticsearch instances."
"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstances",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstances",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstance",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ReservedElasticsearchInstance.Builder] avoiding the need to create one manually via [ReservedElasticsearchInstance.Builder#builder()].

When the [ReservedElasticsearchInstance.Builder#build()] completes, [ReservedElasticsearchInstance.Builder#build()] is called immediately and its result is passed to the method that will call methods on [ReservedElasticsearchInstance.Builder#build()].

@return Returns a reference to this object so that method calls can be chained together.
@see ReservedElasticsearchInstanceBuilder"
}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {  
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "ReservedElasticsearchInstance",
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"returnType" : "ReservedElasticsearchInstance",
"alternateModel" : null,
"documentation" : "",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {  
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "ReservedElasticsearchInstance",
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"returnType" : "ReservedElasticsearchInstance",
"alternateModel" : null,
"documentation" : "",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {  
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "ReservedElasticsearchInstance",
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"returnType" : "ReservedElasticsearchInstance",
"alternateModel" : null,
"documentation" : "",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {  
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "ReservedElasticsearchInstance",
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"returnType" : "ReservedElasticsearchInstance",
"alternateModel" : null,
"documentation" : "",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {  
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "ReservedElasticsearchInstance",
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"returnType" : "ReservedElasticsearchInstance",
"alternateModel" : null,
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"setterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.",
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances."
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>
"
"xmlNameSpaceUri" : null
"
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstancesResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
",
"variable" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstancesResponse",
  "variableName" : "describeReservedElasticsearchInstancesResponse",
  "variableType" : "DescribeReservedElasticsearchInstancesResponse",
  "documentation" : null,
  "simpleType" : "DescribeReservedElasticsearchInstancesResponse",
  "variableSetterType" : "DescribeReservedElasticsearchInstancesResponse"
}
",
"wrapper" : false
",
"DisabledOperationException" : {
  "c2jName" : "DisabledOperationException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "An error occurred because the client wanted to access a not supported operation. Gives http status code of 409."
}
"enums" : null,
"errorCode" : "DisabledOperationException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 409,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DisabledOperationException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DisabledOperationException",
"variableName" : "disabledOperationException",
"variableType" : "DisabledOperationException",
"documentation" : null,
"simpleType" : "DisabledOperationException",
"variableSetterType" : "DisabledOperationException"
},
"wrapper" : false
},
"DomainInfo" : {
"c2jName" : "DomainInfo",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>"
}]

This is
a convenience that creates an instance of the `@link String.Builder` avoiding the need to create one manually via
`@link String#builder()`.

When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link domainName(String)`.

```java
@javax.annotation.Generated(value = "OpenAPICompiler")
public class DomainName extends Model {

  private static final long serialVersionUID = 1L;

  public DomainName() {
    super("DomainName");
  }

  public static DomainName fromValue(String value) {
    return new DomainName(value);
  }

  private Optional<String> value = Optional.absent();

  public DomainName withValue(String value) {
    this.value = Optional.ofNullable(value);
    return this;
  }

  public String getValue() {
    return value.orElse(null);
  }

  public static final @NotNull ModelSchema schema = new ModelSchema("DomainName");

  public DomainName build() {
    return this;
  }

  public DomainName domainName(@NotNull Consumer<String.Builder> consumer) {
    return buildConsumerMethod().domainName(consumer);
  }

  static MethodDescription buildConsumerMethod() {
    return new MethodDescription("domainName", "Specifies the DomainName.", "Specifies the DomainName.", "@param domainName a consumer that will call methods on the String.Builder.", "@return Returns a reference to this object so that method calls can be chained together.", false, "<p> Specifies the DomainName.</p>", null, false, null, null, "domainName", null, "domainName", "<p> Specifies the DomainName.</p>", "@param domainName Specifies the DomainName.", "@return Returns a reference to this object so that method calls can be chained together.", "domainName", "<p> Specifies the DomainName.</p>", "@return Specifies the DomainName.", "String", null)
      .http(null, null, false, false, false, null, "PAYLOAD", "DomainName", false, false, "DomainName", false, "DomainName", false)
      .idempotencyToken(false, false, false, false, false, false, false)
      .isBinary(false, false, false, false, false, false, false)
      .jsonValue(false, false, false, false, false, false, false)
      .list(false, false, false, false, false, false, false)
      .listModel(null, null, null, null, null, null, null)
      .map(false, false, false, false, false, false, false)
      .mapModel(null, null, null, null, null, null, null)
      .marshallingType("STRING");

  public DomainName withVisibleValue(@NotNull String value) {
    return withValue(value);
  }

  public DomainName withoutValue() {
    return withValue(null);
  }

  public Optional<String> getValue() {
    return value;
  }

  public static void main(String[] args) {
    DomainName domainName = DomainName.builder().build();
    System.out.println("domainName");
  }
}
```
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>.
@param domainName
Specifies the <code>DomainName</code>.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to{@link #domainName(String)}. When the consumer a consumer that will call methods on{@link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)
"deprecated" : false,
"documentation" : "<p> Specifies the <code>DomainName</code>.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>.
@return Specifies the <code>DomainName</code>.
@see #domainName(String)
"return"
}
<code>DomainName</code>.

```
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "<p> Specifies the <code>DomainName</code>.

@<param domainName Specifications the <code>DomainName</code>.

"setterMethodName": "setDomainName",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,

"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p> Specifies the <code>DomainName</code>.

"}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}

"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the &lt;code&gt;DomainName&lt;/code&gt;.&lt;/p&gt;
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link DomainName(String)}.

@see #domainName(String)
@deprecated"
"documentation" : "<p> Specifies the &lt;code&gt;DomainName&lt;/code&gt;.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> Specifies the &lt;code&gt;DomainName&lt;/code&gt;.&lt;/p&gt;
@param domainName a consumer that will call methods on {@link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)
@deprecated"
"documentation" : "<p> Specifies the &lt;code&gt;DomainName&lt;/code&gt;.&lt;/p&gt;
@param domainName Specifies the &lt;code&gt;DomainName&lt;/code&gt;.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p> Specifies the &lt;code&gt;DomainName&lt;/code&gt;.&lt;/p&gt;
@return Specifies the &lt;code&gt;DomainName&lt;/code&gt;.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"statusCondition" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "\n<p> Specifies the <code>DomainName</code>.</p>\n\n\n@param domainName
Specifies the <code>DomainName</code>.",
"setterMethodName" : "setDomainName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "domainName",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "domainName",
 "variableType" : "String",
 "documentation" : "\n<p> Specifies the <code>DomainName</code>.</p>\n\n\n",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DomainInfo",
"simpleMethod" : false,
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
},
"variable" : {
 "variableDeclarationType" : "DomainInfo",
 "variableName" : "domainInfo",
 "variableType" : "DomainInfo"}
Options to enable, disable, and specify the properties of EBS storage volumes. For more information, see Configuring EBS-based Storage.

Specifies whether EBS-based storage is enabled.

This is a convenience that creates an instance of the `@link Boolean.Builder` avoiding the need to create one manually via `@link Boolean#builder()`. When the `@link Consumer` completes, `@link Boolean.Builder#build()` is called immediately and its result is passed to `@link #ebsEnabled(Boolean)`. A consumer that will call methods on `@link Boolean.Builder` returns a reference to this object so that method calls can be chained together.

Specifies whether EBS-based storage is enabled.
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.
@param ebsEnabled Specifies whether EBS-based storage is enabled.
@return Returns a reference to this object so that method calls can be chained together.
</p>\n@param ebsEnabled Specifies whether EBS-based storage is enabled.
@return Specifies whether EBS-based storage is enabled.
", 
"getterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.
@return Specifies whether EBS-based storage is enabled.
", 
"getterModel" : { 
 "returnType" : "Boolean",
 "documentation" : null 
 },
 "http" : { 
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "EBSEnabled",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "EBSEnabled",
 "uri" : false 
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "BOOLEAN",
 "name" : "EBSEnabled",
 "setterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.
@param ebsEnabled Specifies whether EBS-based storage is enabled.
", 
"setterMethodName" : "setEbsEnabled",
 "setterModel" : { 
 "variableDeclarationType" : "Boolean",
 "variableName" : "ebsEnabled",
 "variableType" : "Boolean",
 "documentation" : null,
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VolumeType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VolumeType",
"setterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
@param volumeType
Specifies the volume type for EBS-based storage.
@see VolumeType",
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVolumeSize",
"beanStyleSetterMethodName" : "setVolumeSize",
"c2jName" : "VolumeSize",
"c2jShape" : "IntegerClass",...
"defaultConsumerFluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #volumeSize(Integer)}. 

When the Consumer completes, Integer.Builder#build() is called immediately and its result is passed to Integer.Builder. 

@see #volumeSize(Integer)",

"deprecated" : false,
"documentation" : "<p> Integer to specify the size of an EBS volume.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "volumeSize",
"fluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize a consumer that will call methods on Integer.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #volumeSize(Integer)",

"getterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@return Integer to specify the size of an EBS volume.
",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VolumeSize",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeSize",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER", 

"name" : "VolumeSize",
"setterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize Integer to specify the size of an EBS volume.",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "<p> Integer to specify the size of an EBS volume.</p>
  @param volumeSize Integer to specify the size of an EBS volume.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getIops",
"beanStyleSetterMethodName" : "setIops",
"c2jName" : "Iops",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @return Returns a reference to this object so that method calls can be chained together.
  @see #iops(Integer)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @returns Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @return Returns a reference to this object so that method calls can be chained together.
  @see #iops(Integer)",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "iops",
  "fluentSetterDocumentation" : "<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @return Returns a reference to this object so that method calls can be chained together.
  @see #iops(Integer)",
  "getterDocumentation" : "<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @returns Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @return Returns a reference to this object so that method calls can be chained together.
  @see #iops(Integer)".
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Iops",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Iops",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Iops",
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
"setterMethodName" : "setIops",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "iops",
    "variableType" : "Integer",
    "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
    "simpleType" : "Integer"
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
] ],
"membersAsMap" : {
"EBSEnabled" : {
"beanStyleGetterMethodName" : "getEbsEnabled",
"beanStyleSetterMethodName" : "setEbsEnabled",
"c2jName" : "EBSEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p><p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder} \nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #ebsEnabled(Boolean)} \n@return Returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)",
"deprecated" : false,
"documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
@param ebsEnabled Specifies whether EBS-based storage is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)",
"getterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
@return Specifies whether EBS-based storage is enabled.
", "getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSEnabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSEnabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "EBSEnabled",
"setterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
\n@param ebsEnabled Specifies whether EBS-based storage is enabled.",
"setterMethodName" : "setEbsEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
\n\n@see #iops(Integer)",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
",
"Iops" : {
  "beanStyleGetterMethodName" : "getIops",
  "beanStyleSetterMethodName" : "setIops",
  "c2jName" : "Iops",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
\nThis is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#builder()}.\n\nWhen the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #iops(Integer)}.\n\n@see #iops(Integer)"
  "deprecated" : false,
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
"enumType" : null,  
"eventHeader" : false, 
"eventPayload" : false, 
"fluentEnumGetterMethodName" : null, 
"fluentEnumSetterMethodName" : null, 
"fluentGetterMethodName" : "iops", 
"fluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@return Returns a reference to this object so that method calls can be chained together.", 
"fluentSetterMethodName" : "iops", 
"getterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@return Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
"getterModel" : { 
    "returnType" : "Integer", 
    "documentation" : null 
}, 
"http" : { 
    "additionalMarshallingPath" : null, 
    "additionalUnmarshallingPath" : null, 
    "flattened" : false, 
    "greedy" : false, 
    "header" : false, 
    "isPayload" : false, 
    "isStreaming" : false, 
    "location" : null, 
    "marshallLocation" : "PAYLOAD", 
    "marshallLocationName" : "iops", 
    "queryString" : false, 
    "statusCode" : false, 
    "unmarshallLocationName" : "iops", 
    "uri" : false 
}, 
"idempotencyToken" : false, 
"isBinary" : false, 
"jsonValue" : false, 
"list" : false, 
"listModel" : null, 
"map" : false, 
"mapModel" : null, 
"marshallingType" : "INTEGER", 
"name" : "iops", 
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
"setterMethodName" : "setIops", 
"setterModel" : { 
    "variableDeclarationType" : "Integer", 
    "variableName" : "iops", 
    "variableType" : "Integer"},
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"VolumeSize" : {
  "beanStyleGetterMethodName" : "getVolumeSize",
  "beanStyleSetterMethodName" : "setVolumeSize",
  "c2jName" : "VolumeSize",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>\nThis is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. \nWhen the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #volumeSize(Integer)}. \n@para volumeSize a consumer that will call methods on {@link Integer.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #volumeSize(Integer)",
  "deprecated" : false,
  "documentation" : "<p> Integer to specify the size of an EBS volume.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "volumeSize",
  "fluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize Integer to specify the size of an EBS volume.\n@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "volumeSize",
  "getterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>\n@return Integer to specify the size of an EBS volume.\n@returns Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VolumeSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeSize",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "VolumeSize",
"setterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize Integer to specify the size of an EBS volume.

"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "<p> Integer to specify the size of an EBS volume.</p>
"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"VolumeType" : {
  "beanStyleGetterMethodName" : "getVolumeTypeAsString",
  "beanStyleSetterMethodName" : "setVolumeType"
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
This is a convenience that creates an instance of the [ String.Builder] avoiding the need to create one manually via [ String.Builder#builder()]. When the [ String.Builder#build()] is called immediately and its result is passed to [ String.Builder#build()].

When the [ String.Builder#build()] is called immediately and its result is passed to [ String.Builder#build()].

@link String.Builder]

@param volumeType a consumer that will call methods on [ String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #volumeType(String)

"deprecated" : false,
"documentation" : "<p> Specifies the volume type for EBS-based storage.</p>

"enumType" : "VolumeType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "volumeType",
"fluentEnumSetterMethodName" : "volumeType",
"fluentGetterMethodName" : "volumeTypeAsString",
"fluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>

@link String.Builder]

@param volumeType Specifies the volume type for EBS-based storage. see VolumeType

@return Returns a reference to this object so that method calls can be chained together.

@link String.Builder]

@see VolumeType

"fluentSetterMethodName" : "volumeType",
"getterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>

If the service returns an enum value that is not available in the current SDK version, [ VolumeType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [ #volumeTypeAsString].

@link VolumeType#UNKNOWN_TO_SDK_VERSION].

@link VolumeTypeAsString].

@return Specifies the volume type for EBS-based storage.

@see VolumeType

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
Specifies the volume type for EBS-based storage.

```java
@see VolumeType
```

```
¡@param volumeType
```

```
Specifies the volume type for EBS-based storage.

```java
@see VolumeType
```

```
¡@param volumeType
```

```
Specifies the volume type for EBS-based storage.
```

```java
@see VolumeType
```
Specifies whether EBS-based storage is enabled.

\texttt{\textit{EBS\textunderscore enabled}} specifies whether EBS-based storage is enabled.

\texttt{\textit{EBS\textunderscore enabled}} specifies whether EBS-based storage is enabled.

\texttt{\textit{EBS\textunderscore enabled}} specifies whether EBS-based storage is enabled.

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\texttt{\textit{EBS\textunderscore enabled}} specifies whether EBS-based storage is enabled.

\texttt{\textit{EBS\textunderscore enabled}} specifies whether EBS-based storage is enabled.
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getVolumeTypeAsString",
"beanStyleSetterMethodName" : "setVolumeType",
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
<p>
When the <code>@link Consumer</code> completes, <code>@link String.Builder#build()</code> is called immediately and its result is passed to <code>@link VolumeTypeAsString(String)</code> a consumer that will call methods on <code>@link String.Builder</code>

@return Returns a reference to this object so that method calls can be chained together.
@see #volumeType(String)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
  "enumType" : "VolumeType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "volumeType",
  "fluentEnumSetterMethodName" : "volumeType",
  "fluentGetterMethodName" : "volumeTypeAsString",
  "fluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
@param volumeType Specifies the volume type for EBS-based storage.
@see VolumeType
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType",
  "getterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
<p>
If the service returns an enum value that is not available in the current SDK version, <code>#volumeType</code> will return <code>VolumeType#UNKNOWN_TO_SDK_VERSION</code>. The raw value returned by the service is available from <code>#volumeTypeAsString</code>.
</p>
@see VolumeType"
},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
Specifies the volume type for EBS-based storage.

@param volumeType

@see VolumeType

Specifies the volume type for EBS-based storage.

@method setVolumeType

Simple type: String

@variableName volumeType
is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #volumeSize(Integer)}. On return, a reference to this object so that method calls can be chained together.

@see #volumeSize(Integer)

Callable volumeSize = () -> {
  // Define your logic here
  return Integer.valueOf(100);
};

volumeSize.applyToObject(object);
"setterDocumentation" : "\<p> Integer to specify the size of an EBS volume.\</p>\n@param volumeSize Integer to specify the size of an EBS volume.\",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "\<p> Integer to specify the size of an EBS volume.\</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getIops",
  "beanStyleSetterMethodName" : "setIops",
  "c2jName" : "Iops",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "\<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).\</p>\nThis is a convenience that creates an instance of the \[@link Integer.Builder\] avoiding the need to create one manually via \[@link Integer#builder()\].\n\nWhen the \[@link Consumer\] completes, \[@link Integer.Builder#build()\] is called immediately and its result is passed to \[@link #iops(Integer)\].\n\n@returns a reference to this object so that method calls can be chained together.\n@see #iops(Integer)"
  
  "deprecated" : false,
  "documentation" : "\<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).\</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "iops",
  "fluentSetterMethodName" : "iops",
  "fluentSetterDocumentation" : "\<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).\</p>\n@returns a reference to this object so that method calls can be chained together.\n@see #iops(Integer)"
  
  "getterDocumentation" : "\<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).\</p>\n@returns a reference to this object so that method calls can be chained together."
  
  "getterMethodName" : "iops",
  "getterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
  }
}
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "iops",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "iops",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "iops",
"setterDocumentation": "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@param
iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
"setterMethodName": "setIops",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "iops",
"variableType": "Integer",
"documentation": null,
"simpleType": "Integer",
"variableSetterType": "Integer"
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"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Integer",
"variableName": "iops",
"variableType": "Integer",
"documentation": "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
"xmlNameSpaceUri" : null
]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EBSOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"wrapper" : false
"EBSOptionsStatus" : {
  "c2jName" : "EBSOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "\p Status of the EBS options for the specified Elasticsearch domain.\p"",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options"
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}. When the { @link Consumer} completes, { @link EBSOptions.Builder#build()} is called immediately and its result is passed to { @link EBSOptions#options(EBSOptions)}.  
@returns a reference to this object so that method calls can be chained together.
@see #options(EBSOptions)",
"deprecated" : false,
"documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@returns Specifies the EBS options for the specified Elasticsearch domain.
",  
"getterModel" : {
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}.
When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus#status(OptionStatus)}.
@param status a consumer that will call methods on {@link OptionStatus.Builder} the return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>"
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.
@returns Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>@return Specifies the status of the EBS options for the specified Elasticsearch domain.",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>@param status Specifies the status of the EBS options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status"
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
]},
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "EBSOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the <a href="# EBSOptions">EBSOptions</a> using the <a href="# Consumer">Consumer</a>.
When the <a href="# Consumer">Consumer</a> completes, the <a href="# EBSOptions.Builder">EBSOptions.Builder</a> is called immediately and its result is passed to <a href="# EBSOptions.Builder#get">EBSOptions.Builder#get</a>()
@param options a consumer that will call methods on <a href="# EBSOptions">EBSOptions</a>
@return Returns a reference to this object so that method calls can be chained together.
@see #options(EBSOptions)",
"deprecated" : false,
"documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@returns Specifies the EBS options for the specified Elasticsearch domain.",
"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD"}
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain."
,"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
  This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}.
  @param status a consumer that will call methods on {@link OptionStatus}
"}
OptionStatus.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)

"deprecated" : false,
"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName" : "setStatus",
"getterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@return Specifies the status of the EBS options for the specified Elasticsearch domain. ",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain. ",
"setterMethodName" : "setStatus", 
"deprecated" : false,
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "EBSOptions",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}.\nWhen the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #options(EBSOptions)\n@param options a consumer that will call methods on {@link EBSOptions.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(EBSOptions)"",
    "deprecated": false,
    "documentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\n"",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "options",
    "fluentSetterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\n@param options Specifies the EBS options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName": "options",
    "getterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\n@return Specifies the EBS options for the specified Elasticsearch domain."
    "getterModel": {
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {link OptionStatus.Builder} avoiding the need to create one manually via {link OptionStatus.Builder#build()}. When the {link Consumer} completes, {link OptionStatus.Builder#build()} is called immediately and its result is passed to {link OptionStatus.Builder#status(OptionStatus)}. Returns a reference to this object so that method calls can be chained together."

"deprecated" : false,
"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@param status a consumer that will call methods on {link OptionStatus.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.
@return Specifies the status of the EBS options for the specified Elasticsearch domain.
@throws status(OptionStatus)",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@return Specifies the status of the EBS options for the specified Elasticsearch domain.
@throws status(OptionStatus)",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
}.}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>\n@param status Specifies the status of the EBS options for the specified Elasticsearch domain. ",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>"
},
"xmlNameSpaceUri" : null
}]
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "EBSOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptionsStatus",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
"wrapper" : false,
"c2jName" : "ESPartitionInstanceType",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "",
"enums" : [ {
  "name" : "M3_MEDIUM_ELASTICSEARCH",
  "value" : "m3.medium.elasticsearch"
}, {
  "name" : "M3_LARGE_ELASTICSEARCH",
  "value" : "m3.large.elasticsearch"
}, {
  "name" : "M3_XLARGE_ELASTICSEARCH",
  "value" : "m3.xlarge.elasticsearch"
}, {
  "name" : "M3_2_XLARGE_ELASTICSEARCH",
  "value" : "m3.2xlarge.elasticsearch"
}, {
  "name" : "M4_LARGE_ELASTICSEARCH",
  "value" : "m4.large.elasticsearch"
}, {
  "name" : "M4_XLARGE_ELASTICSEARCH",
  "value" : "m4.xlarge.elasticsearch"
}, {
  "name" : "M4_2_XLARGE_ELASTICSEARCH",
  "value" : "m4.2xlarge.elasticsearch"
}, {
  "name" : "M4_4_XLARGE_ELASTICSEARCH",
  "value" : "m4.4xlarge.elasticsearch"
}, {
  "name" : "M4_10_XLARGE_ELASTICSEARCH",
  "value" : "m4.10xlarge.elasticsearch"
}, {
  "name" : "T2_MICRO_ELASTICSEARCH",
  "value" : "t2.micro.elasticsearch"
}, {
  "name" : "T2_SMALL_ELASTICSEARCH",
  "value" : "t2.small.elasticsearch"
}];
"name": "T2_MEDIUM_ELASTICSEARCH",
"value": "t2.medium.elasticsearch"
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"name": "R3_LARGE_ELASTICSEARCH",
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"name": "R3_XLARGE_ELASTICSEARCH",
"value": "r3.xlarge.elasticsearch"
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"name": "R3_2_XLARGE_ELASTICSEARCH",
"value": "r3.2xlarge.elasticsearch"
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"name": "R3_4_XLARGE_ELASTICSEARCH",
"value": "r3.4xlarge.elasticsearch"
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"name": "R3_8_XLARGE_ELASTICSEARCH",
"value": "r3.8xlarge.elasticsearch"
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"name": "I2_XLARGE_ELASTICSEARCH",
"value": "i2.xlarge.elasticsearch"
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"name": "I2_2_XLARGE_ELASTICSEARCH",
"value": "i2.2xlarge.elasticsearch"
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"name": "D2_XLARGE_ELASTICSEARCH",
"value": "d2.xlarge.elasticsearch"
},

"name": "D2_2_XLARGE_ELASTICSEARCH",
"value": "d2.2xlarge.elasticsearch"
},

"name": "D2_4_XLARGE_ELASTICSEARCH",
"value": "d2.4xlarge.elasticsearch"
},

"name": "D2_8_XLARGE_ELASTICSEARCH",
"value": "d2.8xlarge.elasticsearch"
},

"name": "C4_LARGE_ELASTICSEARCH",
"value": "c4.large.elasticsearch"
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"name": "C4_XLARGE_ELASTICSEARCH",
"value": "c4.xlarge.elasticsearch"
},

"name": "C4_2_XLARGE_ELASTICSEARCH",
"value": "c4.2xlarge.elasticsearch"
},

"name": "C4_4_XLARGE_ELASTICSEARCH",
"value": "c4.4xlarge.elasticsearch"
}
"name": "C4_8_XLARGE_ELASTICSEARCH",
"value": "c4.8xlarge.elasticsearch"
},

"name": "R4_LARGE_ELASTICSEARCH",
"value": "r4.large.elasticsearch"
},

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"value": "r4.xlarge.elasticsearch"
},

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"value": "r4.2xlarge.elasticsearch"
},

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"value": "r4.4xlarge.elasticsearch"
},

"name": "R4_8_XLARGE_ELASTICSEARCH",
"value": "r4.8xlarge.elasticsearch"
},

"name": "R4_16_XLARGE_ELASTICSEARCH",
"value": "r4.16xlarge.elasticsearch"
},

"name": "I3_LARGE_ELASTICSEARCH",
"value": "i3.large.elasticsearch"
},

"name": "I3_XLARGE_ELASTICSEARCH",
"value": "i3.xlarge.elasticsearch"
},

"name": "I3_2_XLARGE_ELASTICSEARCH",
"value": "i3.2xlarge.elasticsearch"
},

"name": "I3_4_XLARGE_ELASTICSEARCH",
"value": "i3.4xlarge.elasticsearch"
},

"name": "I3_8_XLARGE_ELASTICSEARCH",
"value": "i3.8xlarge.elasticsearch"
},

"name": "I3_16_XLARGE_ELASTICSEARCH",
"value": "i3.16xlarge.elasticsearch"
}].
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ESPartitionInstanceType",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ESPartitionInstanceType",
  "variableName" : "esPartitionInstanceType",
  "variableType" : "ESPartitionInstanceType",
  "documentation" : null,
  "simpleType" : "ESPartitionInstanceType",
  "variableSetterType" : "ESPartitionInstanceType"
},
"wrapper" : false
},
"ElasticsearchClusterConfig" : {
  "c2jName" : "ElasticsearchClusterConfig",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies the configuration for the domain cluster, such as the type and number of instances.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getInstanceTypeAsString",
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ESPartitionInstanceType",
"simpleMethod" : false,
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ESPartitionInstanceType",
  "variableName" : "esPartitionInstanceType",
  "variableType" : "ESPartitionInstanceType",
  "documentation" : null,
  "simpleType" : "ESPartitionInstanceType",
  "variableSetterType" : "ESPartitionInstanceType"
},
"wrapper" : false
},
"ElasticsearchClusterConfig" : {
  "c2jName" : "ElasticsearchClusterConfig",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies the configuration for the domain cluster, such as the type and number of instances.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getInstanceTypeAsS
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #instanceTypeAsString(String)}. a consumer that will call methods on {@link String.Builder}.

@see #instanceType(String)

"deprecated" : false,
"documentation" : "<p>The instance type for an Elasticsearch cluster.</p>

"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.

@see ESPartitionInstanceType

@return Returns a reference to this object so that method calls can be chained together.

@see #instanceType(String)

"getterDocumentation" : "<p>The instance type for an Elasticsearch cluster.

If the service returns an enum value that is not available in the current SDK version, {#link #instanceType} will return {#link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {#link #instanceTypeAsString}. Return The instance type for an Elasticsearch cluster.

@see ESPartitionInstanceType

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
@param instanceType The instance type for an Elasticsearch cluster
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : <p>The instance type for an Elasticsearch cluster.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getInstanceCount",
  "beanStyleSetterMethodName" : "setInstanceCount",
  "c2jName" : "InstanceCount",
  "c2jShape" : "IntegerClass",
  "defaultValueConsumerFluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
  This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()}) is called immediately and its result is passed to {@link-instanceCount(Integer)}. A consumer that will call methods on {@link Integer.Builder} returns a reference to this object so that method calls can be chained together.
  @see #instanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "<p>The number of instances in the specified domain cluster.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "\n\n@<p>The number of instances in the specified domain cluster.</p>@param instanceCount The number of instances in the specified domain cluster.
\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "\n\n@<p>The number of instances in the specified domain cluster.</p>@return The number of instances in the specified domain cluster."
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"setterDocumentation" : "\n\n@<p>The number of instances in the specified domain cluster.</p>@param instanceCount The number of instances in the specified domain cluster."
"setterMethodName" : "setInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances in the specified domain cluster.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
  "beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
  "c2jName" : "DedicatedMasterEnabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p><p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterEnabled(Boolean)}.<br>@param dedicatedMasterEnabled a consumer that will call methods on {@link Boolean.Builder}<br>@return Returns a reference to this object so that method calls can be chained together.<br>@see #dedicatedMasterEnabled(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "dedicatedMasterEnabled",
  "fluentSetterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>
  "@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.<br>@return Returns a reference to this object so that method calls can be chained together.<br>"",
  "fluentSetterMethodName" : "dedicatedMasterEnabled",
  "getterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>
  "@return A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information."
}
A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.

```json
"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DedicatedMasterEnabled",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DedicatedMasterEnabled",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "DedicatedMasterEnabled",
"setterDocumentation": "A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.

@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.

"setterMethodName": "setDedicatedMasterEnabled",
"setterModel": {

"variableDeclarationType": "Boolean",
"variableName": "dedicatedMasterEnabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
}
A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.

A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

A boolean value to indicate whether zone awareness is enabled.
A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

```javascript


getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ZoneAwarenessEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ZoneAwarenessEnabled",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"setterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

```

```javascript

```
```
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "zoneAwarenessEnabled",
  "variableType": "Boolean",
  "documentation": "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
},
"beanStyleGetterMethodName": "getDedicatedMasterTypeAsString",
"beanStyleSetterMethodName": "setDedicatedMasterType",
"c2jName": "DedicatedMasterType",
"c2jShape": "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation": "<p>The instance type for a dedicated master node.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link dedicatedMasterTypeAsString(String)}.

@param dedicatedMasterType a consumer that will call methods on { @link String.Builder}
@see dedicatedMasterType(String)"
, "deprecated": false,
"documentation": "<p>The instance type for a dedicated master node.</p>",
"enumType": "ESPartitionInstanceType",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "dedicatedMasterType",
"fluentEnumSetterMethodName": "dedicatedMasterType",
"fluentGetterMethodName": "dedicatedMasterTypeAsString",
"fluentSetterDocumentation": "<p>The instance type for a dedicated master node.</p>
<p>
If the service returns an enum value that is not available in the current SDK version, { @link #dedicatedMasterType} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #dedicatedMasterTypeAsString}.
</p>
@return The instance type for a dedicated master node.
@see ESPartitionInstanceType
@see ESPartitionInstanceType"
, "getterDocumentation": "<p>The instance type for a dedicated master node.</p>
<p>
If the service returns an enum value that is not available in the current SDK version, { @link #dedicatedMasterType} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #dedicatedMasterTypeAsString}.
</p>
@return The instance type for a dedicated master node.
@see ESPartitionInstanceType
@see ESPartitionInstanceType"
, "getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DedicatedMasterType",
"setterDocumentation" : "<p>The instance type for a dedicated master node.</p>@param dedicatedMasterType The instance type for a dedicated master node.\n@see ESPartitionInstanceType",
"setterMethodName" : "setDedicatedMasterType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dedicatedMasterType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dedicatedMasterType",
  "variableType" : "String",
  "documentation" : "<p>The instance type for a dedicated master node.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getDedicatedMasterCount",
  "beanStyleSetterMethodName" : "setDedicatedMasterCount",
  "c2jName" : "DedicatedMasterCount"
"c2jShape" : "IntegerClass",
"defaultValue" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding
the need to create one manually via {@link Integer#builder()}.
When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to
{@link #dedicatedMasterCount(Integer)}.

@see #dedicatedMasterCount(Integer)
@param dedicatedMasterCount a consumer that will call methods on {@link Integer.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@deprecated

"documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
"setterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the
cluster.</p>@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for
the cluster."
,"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "DedicatedMasterCount" : {
    "beanStyleGetterMethodName" : "getDedicatedMasterCount",
    "beanStyleSetterMethodName" : "setDedicatedMasterCount",
    "c2jName" : "DedicatedMasterCount",
    "c2jShape" : "IntegerClass",
    "defaultConsumerFluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on
standby, for the cluster.</p>This is a convenience that creates an instance of the
{@link Integer.Builder} avoiding
the need to create one manually via {@link Integer#builder()}.When the
{@link Consumer} completes, {@link
Integer.Builder#build()} is called immediately and its result is passed to
{@link
#dedicatedMasterCount(Integer)}.@param dedicatedMasterCount a consumer that will call methods on
{@link
Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.@see
#dedicatedMasterCount(Integer)"
,"deprecated" : false,
"documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterCount",
"variableSetterType" : "Integer"}
"fluentSetterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.\n@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "dedicatedMasterCount",
"getterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.\n@return Total number of dedicated master nodes, active and on standby, for the cluster.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DedicatedMasterCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DedicatedMasterCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
"setterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.\n@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.",
"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"DedicatedMasterEnabled" : {
  "beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
  "beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
  "c2jName" : "DedicatedMasterEnabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.


@see DedicatedMasterEnabled(Boolean)

A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.


@see DedicatedMasterEnabled(Boolean)

A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.


@see DedicatedMasterEnabled(Boolean)

A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.


@see DedicatedMasterEnabled(Boolean)

A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.


@see DedicatedMasterEnabled(Boolean)

A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.


@see DedicatedMasterEnabled(Boolean)
A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

```json

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DedicatedMasterEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DedicatedMasterEnabled",
  "uri" : false
},

"idempotencyToken" : false,

"setterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

"setterMethodName" : "setDedicatedMasterEnabled",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}
```
simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information."",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DedicatedMasterType" : {
  "beanStyleGetterMethodName" : "getDedicatedMasterTypeAsString",
  "beanStyleSetterMethodName" : "setDedicatedMasterType",
  "c2jName" : "DedicatedMasterType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "The instance type for a dedicated master node. This is a convenience that creates an instance of the {String.Builder} avoiding the need to create one manually via {String.Builder()}. When the {Consumer} completes, {String.Builder#build()} is called immediately and its result is passed to {ESPartitionInstanceType#dedicatedMasterTypeAsString(String)}. A consumer that will call methods on {String.Builder#build()} returns a reference to this object so that method calls can be chained together.\n\n@see #dedicatedMasterType(String)",
  "deprecated" : false,
  "documentation" : "The instance type for a dedicated master node.\n\nIf the service returns an enum value that is not available in the current SDK version, {ESPartitionInstanceType#dedicatedMasterType} will return {ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {ESPartitionInstanceType#dedicatedMasterTypeAsString}.\n\n@see ESPartitionInstanceType\n\nReturns a reference to this object so that method calls can be chained together.\n\n@see ESPartitionInstanceType",
  "getterDocumentation" : "The instance type for a dedicated master node.\n\nIf the service returns an enum value that is not available in the current SDK version, {ESPartitionInstanceType#dedicatedMasterType} will return {ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {ESPartitionInstanceType#dedicatedMasterTypeAsString}.\n\n@see ESPartitionInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DedicatedMasterType",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DedicatedMasterType",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DedicatedMasterType",
"setterDocumentation": "<p>The instance type for a dedicated master node.</p>
@param


dedicatedMasterType The instance type for a dedicated master node.<see ESPartitionInstanceType",

"setterMethodName": "setDedicatedMasterType",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "dedicatedMasterType",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "dedicatedMasterType",
"variableType": "String",
"documentation": "<p>The instance type for a dedicated master node.</p>",
"simpleType": "String",
"variableSetterType": "String"
}
"xmlNameSpaceUri": null
"InstanceCount" : {
  "beanStyleGetterMethodName" : "getInstanceCount",
  "beanStyleSetterMethodName" : "setInstanceCount",
  "c2jName" : "InstanceCount",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster. This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #instanceCount(Integer)}.<p>
  @param instanceCount a consumer that will call methods on {@link Integer.Builder}<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see #instanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "The number of instances in the specified domain cluster.<p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "instanceCount",
  "fluentSetterDocumentation" : "The number of instances in the specified domain cluster.<p>
  @param instanceCount The number of instances in the specified domain cluster.<p>@return Returns a reference to this object so that method calls can be chained together.<p>",
  "fluentSetterMethodName" : "instanceCount",
  "getterDocumentation" : "The number of instances in the specified domain cluster.<p>",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "InstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceCount",
    "uri" : false
  },
  "idempotencyToken" : false,
}
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@param instanceCount The number of instances in the specified domain cluster.",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances in the specified domain cluster.</p>
"instanceCount The number of instances in the specified domain cluster.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"InstanceType" : {
  "beanStyleGetterMethodName" : "getInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setInstanceType",
  "c2jName" : "InstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
"This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #instanceTypeAsString(String)}.\n\n@see #instanceType(String)\n"return Returns a reference to this object so that method calls can be chained together:\n\n@deprecated "false,
  "documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "instanceType",
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "<p>The number of instances in the specified domain cluster.</p>
  instanceCount The number of instances in the specified domain cluster.",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  }
},
"xmlNameSpaceUri" : null
}
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : "The instance type for an Elasticsearch cluster.\n@param instanceType
The instance type for an Elasticsearch cluster.\n@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.\n@see ESPartitionInstanceType",
"fluentSetterMethodName" : "instanceType",
"getterDocumentation" : "The instance type for an Elasticsearch cluster.\nIf the service returns an enum value that is not available in the current SDK version, [@link instanceType] will return [@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link instanceTypeAsString].\n@return The instance type for an Elasticsearch cluster.\n@see ESPartitionInstanceType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "InstanceType",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "InstanceType",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
 "name" : "InstanceType",
 "setterDocumentation" : "The instance type for an Elasticsearch cluster.\n@param instanceType
The instance type for an Elasticsearch cluster.\n@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "instanceType",
 "variableType" : "String",
 "documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ZoneAwarenessEnabled" : {
"beanStyleGetterMethodName" : "getZoneAwarenessEnabled",
"beanStyleSetterMethodName" : "setZoneAwarenessEnabled",
"c2jName" : "ZoneAwarenessEnabled",
"c2jShape" : "Boolean",
"defaultValue" : false,
"documentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>This is a convenience that creates an instance of the [Boolean.Builder] avoiding the need to create one manually via [Boolean#builder()].\nWhen the [Consumer] completes, [Boolean.Builder#build()](#) is called immediately and its result is passed to [zoneAwarenessEnabled(Boolean)](#/).\n\n@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a>

@deprecated
@see #zoneAwarenessEnabled(Boolean)

@defaultConsumerFluentSetterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information."
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "zoneAwarenessEnabled",
"fluentSetterMethodName" : "zoneAwarenessEnabled",
\n@return Returns a reference to this object so that method calls can be chained together."
\n\n@return Returns a reference to this object so that method calls can be chained together.";
A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

```json
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ZoneAwarenessEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ZoneAwarenessEnabled",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"setterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

```

```json
"setterMethodName" : "setZoneAwarenessEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "zoneAwarenessEnabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
}
A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness">About Zone Awareness</a> for more information.

The instance type for an Elasticsearch cluster.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link String.Builder} is called immediately and its result is passed to {@link String#toString(String)}.

The instance type for an Elasticsearch cluster.

If the service returns an enum value that is not available in the current SDK version, {@link #instanceType} will return {@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link ESPartitionInstanceType#toString(String)}. The instance type for an Elasticsearch cluster.

The instance type for an Elasticsearch cluster.

The instance type for an Elasticsearch cluster.
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "InstanceType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceType",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "InstanceType",
"setterDocumentation": "<p>The instance type for an Elasticsearch cluster.</p>
@param instanceType The instance type for an Elasticsearch cluster.
@see ESPartitionInstanceType",
"setterMethodName": "setInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "instanceType",
  "variableType": "String",
  "documentation": "<p>The instance type for an Elasticsearch cluster.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
The number of instances in the specified domain cluster. This is a convenience that creates an instance of the `Integer.Builder` avoiding the need to create one manually via `Integer#builder()`. When the `Consumer` completes, `InstanceCount(Integer.Builder#build())` is called immediately and its result is passed to `#instanceCount(Integer)`. Returns a reference to this object so that method calls can be chained together.

```java
public @param instanceCount The number of instances in the specified domain cluster.\n@returns Returns a reference to this object so that method calls can be chained together.

```

```java
public @param instanceCount The number of instances in the specified domain cluster.\n@returns Returns a reference to this object so that method calls can be chained together.

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```
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@param instanceCount The number of instances in the specified domain cluster."
,"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"timestampFormat" : null,
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  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of instances in the specified domain cluster.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
"beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
"c2jName" : "DedicatedMasterEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>

This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}.

When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #dedicatedMasterEnabled(Boolean)}.

@see #dedicatedMasterEnabled(Boolean)
"deprecate" : false,
"documentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterEnabled",
"fluentSetterMethodName" : "dedicatedMasterEnabled",
"fluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.<p>@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.@return A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterEnabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterEnabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "DedicatedMasterEnabled",
"setterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/p&gt;&lt;param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/p&gt;",
"setterMethodName" : "setDedicatedMasterEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/p&gt;",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getZoneAwarenessEnabled",
"beanStyleSetterMethodName" : "setZoneAwarenessEnabled",
"c2jName" : "ZoneAwarenessEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;A boolean value to indicate whether zone awareness is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a&gt; for more information.&lt;/p&gt;&lt;param zoneAwarenessEnabled a consumer that will call methods on {
  @link Boolean.Builder
}&lt;link Boolean.Builder&gt;\nWhen the {
  @link Consumer
} completes, {
  @link Boolean.Builder#build()
} is called immediately and its result is passed to {
  @link ZoneAwarenessEnabled(Boolean)
}.\n@param zoneAwarenessEnabledEnabled a consumer that will call methods on {
  @link Boolean.Builder
}&lt;link Boolean.Builder&gt;\n@return Returns a reference to this object so that method calls can be chained together.\n@see #zoneAwarenessEnabledEnabled(Boolean)",
"deprecated" : false,
"documentation" : "&lt;p&gt;A boolean value to indicate whether zone awareness is enabled. See &lt;a
A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information. Returns a reference to this object so that method calls can be chained together.

```java
public boolean isZoneAwarenessEnabled() {
    return zoneAwarenessEnabled;
}
```

```java
public void setZoneAwarenessEnabled(boolean zoneAwarenessEnabled) {
    this.zoneAwarenessEnabled = zoneAwarenessEnabled;
}
```

**Usage Example:**

```java
zoneAwarenessEnabled = true;
setZoneAwarenessEnabled(zoneAwarenessEnabled);
```
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "ZoneAwarenessEnabled",
"setterDocumentation": "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.

@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",

"setterMethodName": "setZoneAwarenessEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "zoneAwarenessEnabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
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  "variableDeclarationType": "Boolean",
  "variableName": "zoneAwarenessEnabled",
  "variableType": "Boolean",
  "documentation": "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getDedicatedMasterTypeAsString",
  "beanStyleSetterMethodName": "setDedicatedMasterType",
  "c2jName": "DedicatedMasterType",
  "c2jShape": "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation": "The instance type for a dedicated master node. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #dedicatedMasterTypeAsString(String)}."
}
"deprecated": false,
"documentation": "The instance type for a dedicated master node.

@deprecated"
"enumType": "ESPartitionInstanceType",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "dedicatedMasterType"
"fluentEnumSetterMethodName": "dedicatedMasterType",
"fluentGetterMethodName": "dedicatedMasterTypeAsString",
"fluentSetterDocumentation": "The instance type for a dedicated master node.
@see ESPartitionInstanceType
@returns Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"fluentSetterMethodName": "dedicatedMasterType",
"getterDocumentation": "The instance type for a dedicated master node.
If the service returns an enum value that is not available in the current SDK version, [@link #dedicatedMasterType] will return [@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #dedicatedMasterTypeAsString].
@returns The instance type for a dedicated master node.
@see ESPartitionInstanceType",
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  "returnType": "String",
  "documentation": null
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DedicatedMasterType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DedicatedMasterType",
  "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DedicatedMasterType",
"setterDocumentation": "The instance type for a dedicated master node.
@returns The instance type for a dedicated master node.
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  "variableType": "String",
  "documentation": null,
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"variableSetterType" : "String"
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"simple" : true,
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"variableType" : "String",
"documentation" : "The instance type for a dedicated master node.",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getDedicatedMasterCount",
"beanStyleSetterMethodName" : "setDedicatedMasterCount",
"c2jName" : "DedicatedMasterCount",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster. When the Consumer completes, the Integer.Builder is called immediately and its result is passed to the return method.
@param dedicatedMasterCount a consumer that will call methods on Integer.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #dedicatedMasterCount(Integer)",
"deprecated" : false,
"documentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.
@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.
@return Total number of dedicated master nodes, active and on standby, for the cluster.
@see #dedicatedMasterCount(Integer)",
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"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterCount",
"fluentSetterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.
@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.
@return Total number of dedicated master nodes, active and on standby, for the cluster.
@see #dedicatedMasterCount(Integer)",
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"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
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@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.",
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  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "variableType" : "Integer",
  "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
}];
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"required" : null,
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"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
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"wrapper" : false
},
"ElasticsearchClusterConfigStatus" : {
  "c2jName" : "ElasticsearchClusterConfigStatus",
  "customization" : {
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    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Specifies the configuration status for the specified Elasticsearch domain.</p>",
  "enums" : null,
  "errorCode" : null,
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  "eventStream" : false,
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  "hasStreamingMember" : false,
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  "marshaller" : null,
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    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "ElasticsearchClusterConfig",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>"
  ]
}

This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder}.

When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build} is called immediately and its result is passed to { @link
"options(ElasticsearchClusterConfig)");

@param options a consumer that will call methods on { @link ElasticsearchClusterConfig.Builder }

@return Returns a reference to this object so that method calls can be chained together.

@see #options(ElasticsearchClusterConfig)

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"documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p> ",
"enumType" : null,
"eventIdHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>

Ret

Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>

Ret

Specifies the cluster configuration for the specified Elasticsearch domain.
",
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
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  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>

Specifies the cluster configuration for the specified Elasticsearch domain.
",
"setterSetterMethodName" : "options"}
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"setterModel": {
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  "variableType": "ElasticsearchClusterConfig",
  "documentation": null,
  "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
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"simple": false,
"timestampFormat": null,
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  "variableName": "options",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
  "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
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}, {
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  "beanStyleSetterMethodName": "setStatus",
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  "c2jShape": "OptionStatus",
  "defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
    "deprecated": false,
  "documentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "status",
  "fluentSetterDocumentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
    @param status Specifies the status of the configuration for the specified Elasticsearch domain.
  @return Returns a reference to this object so that method calls can be chained together. */
  "getterDocumentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
    @return Specifies the status of the configuration for the specified Elasticsearch domain. */
  "getterModel": {
    "returnType": "OptionStatus",
  }
}.
"documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
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"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>@param status Specifies the status of the configuration for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
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  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
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"xmlnsNameSpaceUri" : null
],
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "ElasticsearchClusterConfig",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}. When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link #options(ElasticsearchClusterConfig)}.  
@param options a consumer that will call methods on { @link ElasticsearchClusterConfig.Builder} 
@return Returns a reference to this object so that method calls can be chained together. 
@see #options(ElasticsearchClusterConfig)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together. 
@see #options(ElasticsearchClusterConfig)",
    "fluentSetterMethodName" : "options",
    "getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
@return Specifies the cluster configuration for the specified Elasticsearch domain. 
@see #options(ElasticsearchClusterConfig)",
    "getterModel" : {
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    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
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      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "Options",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Options",
    }
  }
}
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n@param options Specifies the cluster configuration for the specified Elasticsearch domain."",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n</p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "OptionStatus",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.\n\nThis is a convenience that creates an instance of the \{ @link OptionStatus.Builder \} avoiding the need to create one manually via \{ @link OptionStatus#builder() \}. When the \{ @link Consumer \} completes, \{ @link OptionStatus.Builder#build() \} is called immediately and its result is passed to \{ @link OptionStatus\}.\n\n@param status a consumer that will call methods on \{ @link OptionStatus.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.\n</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the configuration for the specified Elasticsearch domain.</p>
@n@param status Specifies the status of the configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the configuration for the specified Elasticsearch domain.</p>
@return Specifies the status of the configuration for the specified Elasticsearch domain.",
"getterModel" : {
   "returnType" : "OptionStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "Status",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Status",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>Specifies the status of the configuration for the specified Elasticsearch domain.</p>
@n@param status Specifies the status of the configuration for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus"
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder } avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder() }. When the { @link Consumer } completes, { @link ElasticsearchClusterConfig.Builder#build() } is called immediately and its result is passed to { @link ElasticsearchClusterConfig.Builder#options(ElasticsearchClusterConfig) }. Param options a consumer that will call methods on { @link ElasticsearchClusterConfig.Builder } returns a reference to this object so that method calls can be chained together.
@see #options(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #options(ElasticsearchClusterConfig)",
"getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #options(ElasticsearchClusterConfig)",
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"setterDocumentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain."",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "ElasticsearchClusterConfig",
  "variableName": "options",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": null,
  "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ElasticsearchClusterConfig",
  "variableName": "options",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>"
},
"xmlNameSpaceUri": null
}
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "\n<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. When the consumer completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to

\n@see #status(OptionStatus)",
"deprecated": false,
"documentation": "\n<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterMethodName": "status",
"fluentSetterDocumentation": "\n<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
"status": Specifies the status of the configuration for the specified Elasticsearch domain.
\n\n@return Returns a reference to this object so that method calls can be chained together."

"getterModel": {
  "returnType": "OptionStatus",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Status",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
@param status Specifies the status of the configuration for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "ElasticsearchClusterConfigStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfigStatus",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"wrapper" : false
},
"ElasticsearchDomainConfig" : {
  "c2jName" : "ElasticsearchDomainConfig",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The configuration of an Elasticsearch domain."",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    {"beanStyleGetterMethodName" : "getElasticsearchVersion",
     "beanStyleSetterMethodName" : "setElasticsearchVersion",
     "c2jName" : "ElasticsearchVersion",
     "c2jShape" : "ElasticsearchVersionStatus",
     "defaultConsumerFluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
The configuration of an Elasticsearch domain."",
     "deprecated" : false,
     "documentation" : "String of format X.Y to specify version for the Elasticsearch domain."",
     "enumType" : null,
     "eventHeader" : false,
     "eventPayload" : false,
     "fluentEnumGetterMethodName" : null,
     "fluentEnumSetterMethodName" : null,
     "fluentGetterMethodName" : "elasticsearchVersion",
     "fluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
the configuration of an Elasticsearch domain."",
     "fluentSetterMethodName" : "elasticsearchVersion",
     "getDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain."",
     "httpBodyContent" : null
   }
  ]
}
domain.\n\n@return String of format X.Y to specify version for the Elasticsearch domain."

  "getterModel" : {
    "returnType" : "ElasticsearchVersionStatus",
    "documentation" : null
  },

  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchVersion",
    "uri" : false
  },

  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "ElasticsearchVersion",
  "setterDocumentation" : "\n\n@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch
domain."

  "setterMethodName" : "setElasticsearchVersion",

  "setterModel" : {
    "variableDeclarationType" : "ElasticsearchVersionStatus",
    "variableName" : "elasticsearchVersion",
    "variableType" : "ElasticsearchVersionStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchVersionStatus",
    "variableSetterType" : "ElasticsearchVersionStatus"
  },

  "simple" : false,
  "timestampFormat" : null,

  "variable" : {
    "variableDeclarationType" : "ElasticsearchVersionStatus",
    "variableName" : "elasticsearchVersion",
    "variableType" : "ElasticsearchVersionStatus",
    "documentation" : "\n\nString of format X.Y to specify version for the Elasticsearch domain."
  }"
"simpleType" : "ElasticsearchVersionStatus",
"variableSetterType" : "ElasticsearchVersionStatus"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfigStatus",
"defaultValueFluentSetterDocumentation" : "<p>Specifies the &lt;code&gt;ElasticsearchClusterConfig&lt;/code&gt; for the Elasticsearch domain.

This is a convenience that creates an instance of the {ElasticsearchClusterConfigStatus.Builder} avoiding the need to create one manually via

When the {Consumer} completes, ElasticsearchClusterConfigStatus.Builder#build() is called immediately and its result is passed to ElasticsearchClusterConfig a consumer that will call methods on ElasticsearchClusterConfigStatus.Builder#build().

@see ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)"

"deprecated" : false,
"documentation" : "<p>Specifies the &lt;code&gt;ElasticsearchClusterConfig&lt;/code&gt; for the Elasticsearch domain.</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>Specifies the &lt;code&gt;ElasticsearchClusterConfig&lt;/code&gt; for the Elasticsearch domain.</p>

@param elasticsearchClusterConfig Specifies the &lt;code&gt;ElasticsearchClusterConfig&lt;/code&gt; for the Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

@see ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)"

"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>Specifies the &lt;code&gt;ElasticsearchClusterConfig&lt;/code&gt; for the Elasticsearch domain.</p>

@return Specifies the &lt;code&gt;ElasticsearchClusterConfig&lt;/code&gt; for the Elasticsearch domain.

"getterModel" : {
  "returnType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshalLocation" : null,
  "marshallLocation" : "PAYLOAD",
  "marshalLocation" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocation" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocation" : null,
  "marshallLocation" : "PAYLOAD",
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  "marshallLocation" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocation" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocation" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocation" : null,
  }
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false },

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfigStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfigStatus",
    "variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"simple" : false,
"timestampFormat" : null,

"variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfigStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfigStatus",
    "variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain."
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain."
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain."
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain."
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,

},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain."
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."

"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"xmlNameSpaceUri" : null,
Specifies the `<code>EBSOptions</code>` for the Elasticsearch domain.

```java
@link #ebsOptions(EBSOptionsStatus)\n@method ebsOptions a consumer that will call methods on \nEBSOptionsStatus.Builder\n@returns Returns a reference to this object so that method calls can be chained
together.\n@see #ebsOptions(EBSOptionsStatus)
```

```java
"deprecated" : false,
"documentation" : "\n<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "\n<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n"
@param ebsOptions\nSpecifies the <code>EBSOptions</code> for the Elasticsearch domain.
@returns Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "ebsOptions",
"getterDocumentation" : "\n<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n"
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.

```java
getterModel" : {
"returnType" : "EBSOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "\n<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n"
@param ebsOptions\nSpecifies the <code>EBSOptions</code> for the Elasticsearch domain.
@returns Returns a reference to this object so that method calls can be chained together."
,"setterSetterMethodName" : "ebsOptions",
"url" : false
}
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : "Specifies the <code>EBSOptions</code> for the Elasticsearch domain.<p>
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "AccessPoliciesStatus",
"defaultConsumerFluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.<p>
  This is a convenience that creates an instance of the {@link AccessPoliciesStatus.Builder} avoiding the need to create
  one manually via {@link AccessPoliciesStatus#builder()}.<p>
  When the {@link Consumer} completes, {@link AccessPoliciesStatus.Builder#build()} is called immediately and its result is passed to {@link
  AccessPolicies(rgAccessPoliciesStatus)}.<p>
  @return Returns a reference to this object so that method calls can be chained
together.<p>
  @see #accessPolicies(AccessPoliciesStatus)",
  "deprecated" : false,
  "documentation" : "IAM access policy as a JSON-formatted string.<p>
  "eventType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.<p>
  @param accessPolicies IAM access policy as a JSON-formatted string.<p>
  @return Returns a reference to this object so that method calls can be chained
together.<p>
  @see #accessPolicies(AccessPoliciesStatus)",
  "fluentSetterMethodName" : "accessPolicies",
  "getterDocumentation" : "IAM access policy as a JSON-formatted string.<p>
  @return IAM access policy as a JSON-formatted string.
  @return Returns a reference to this object so that method calls can be chained
together.<p>
  @see #accessPolicies(AccessPoliciesStatus)",
  "getterModel" : {
  "returnType" : "AccessPoliciesStatus"
IAM access policy as a JSON-formatted string.

```json

"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies

setterMethodName" : "setAccessPolicies",

setterModel" : {

"variableDeclarationType" : "AccessPoliciesStatus",
"variableName" : "accessPolicies",
"variableType" : "AccessPoliciesStatus",
"documentation" : null,
"simpleType" : "AccessPoliciesStatus",
"variableSetterType" : "AccessPoliciesStatus"
}

"simple" : false,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "AccessPoliciesStatus",
"variableName" : "accessPolicies",
"variableType" : "AccessPoliciesStatus",
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "AccessPoliciesStatus",
"variableSetterType" : "AccessPoliciesStatus"
}
```
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
This is a convenience that creates an instance of the { @link SnapshotOptionsStatus.Builder} avoiding the need to create one manually via { @link SnapshotOptionsStatus#builder()}. When the { @link Consumer} completes, { @link SnapshotOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptionsStatus)}. a consumer that will call methods on { @link SnapshotOptionsStatus.Builder} and @return Returns a reference to this object so that method calls can be chained together.@see #snapshotOptions(SnapshotOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"getterModel" : {
"returnType" : "SnapshotOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
}.
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "SnapshotOptions",
"setterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"setterMethodName": "setSnapshotOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptionsStatus",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptionsStatus",
  "documentation": null,
  "simpleType": "SnapshotOptionsStatus",
  "variableSetterType": "SnapshotOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptionsStatus",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptionsStatus",
  "documentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
  "simpleType": "SnapshotOptionsStatus",
  "variableSetterType": "SnapshotOptionsStatus"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getVpcOptions",
"beanStyleSetterMethodName": "setVpcOptions",
"c2jName": "VPCOptions",
"c2jShape": "VPCDerivedInfoStatus",
"defaultConsumerFluentSetterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>

This is a convenience that creates an instance of the [VPCDerivedInfoStatus.Builder] avoiding the need to create one manually via [VPCDerivedInfoStatus#builder()]. When the [Consumer] completes, and the [VPCDerivedInfoStatus.Builder#build()] is called immediately and its result is passed to the [VPCOptions(VPCDerivedInfoStatus)].

@returns Returns a reference to this object so that method calls can be chained together.

@see VPCOptions(VPCDerivedInfoStatus)"
,"deprecated": false,
"documentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>"
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",


@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

@return Returns a reference to this object so that method calls can be chained together."

getterModel" : {
    "returnType" : "VPCDerivedInfoStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "VPCOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VPCOptions",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"xmlNameSpaceUri" : null,
"
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>

This is a convenience that creates an instance of the { @link CognitoOptionsStatus.Builder} avoiding the need to create one manually via { @link CognitoOptionsStatus#builder()}.

When the { @link Consumer} completes, { @link CognitoOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link CognitoOptions(CognitoOptionsStatus)}.

@n@return Returns a reference to this object so that method calls can be chained together.
@n@see #cognitoOptions(CognitoOptionsStatus)
@n@deprecated" : false,
"documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>

This is a convenience that creates an instance of the { @link CognitoOptionsStatus.Builder} avoiding the need to create one manually via { @link CognitoOptionsStatus#builder()}.

When the { @link Consumer} completes, { @link CognitoOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link CognitoOptions(CognitoOptionsStatus)}.

@n@return Returns a reference to this object so that method calls can be chained together.
@n@see #cognitoOptions(CognitoOptionsStatus)
@n@deprecated" : false,
Amazon Cognito Authentication for Kibana

The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
@ param cognitoOptions The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

@return Returns a reference to this object so that method calls can be chained together.
```

```
"param": {
  "cognitoOptions": null,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "cognitoOptions",
  "fluentSetterDocumentation": "The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

  @param cognitoOptions The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

  @return Returns a reference to this object so that method calls can be chained together.
",
  "getterDocumentation": "The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

  @return The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

  @return Returns a reference to this object so that method calls can be chained together.
",
  "getterModel": {
    "returnType": "CognitoOptionsStatus",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "CognitoOptions",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "CognitoOptions",
    "uri": false
  },
  "idempotencyToken": false,
  "isBinary": false,
  "jsonValue": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "name": "CognitoOptions",
  "nameType": null,
  "namespace": "amazonpcf",
  "payload": true,
  "payloadDocumentation": "The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

  @param cognitoOptions The `CognitoOptions` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

  @return Returns a reference to this object so that method calls can be chained together.
",
  "returnModel": {
    "returnType": "CognitoOptionsStatus",
    "documentation": null
  }
}
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
"setterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<p>
@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName": "setCognitoOptions",
"setterModel": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": null,
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getEncryptionAtRestOptions",
"beanStyleSetterMethodName": "setEncryptionAtRestOptions",
"c2jName": "EncryptionAtRestOptions",
"c2jShape": "EncryptionAtRestOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. </p>
This is a convenience that creates an instance of the [EncryptionAtRestOptionsStatus.Builder] avoiding the need to create one manually via [EncryptionAtRestOptionsStatus#builder()].
When the [Consumer] completes, [EncryptionAtRestOptionsStatus.Builder#build()] is called immediately and its result is passed to [EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)].
@return Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
"deprecated": false,
"documentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "encryptionAtRestOptions",
"fluentSetterDocumentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "encryptionAtRestOptions",
"getterDocumentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
getterModel": {
"returnType": "EncryptionAtRestOptionsStatus",
"documentation": null
},
"http": {

"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EncryptionAtRestOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EncryptionAtRestOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"setterDocumentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
setterModel": {
"variableDeclarationType": "EncryptionAtRestOptionsStatus",
"variableName": "encryptionAtRestOptions",
"variableType": "EncryptionAtRestOptionsStatus",
"documentation": null,
"simpleType" : "EncryptionAtRestOptionsStatus",
"variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptionsStatus",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptionsStatus",
"documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
"simpleType" : "EncryptionAtRestOptionsStatus",
"variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptionsStatus} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptionsStatus.Builder}. When the consumer completes, it is called immediately and its result is passed to the consumer that will call methods on the builder immediately and its result is passed to the method that created it.

@see #nodeToNodeEncryptionOptions

@deprecated false,
"documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions a consumer that will call methods on the builder immediately and its result is passed to the method that created it.
@return Returns a reference to this object so that method calls can be chained together.
@see #nodeToNodeEncryptionOptions",
"deprecated" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@see #nodeToNodeEncryptionOptions

@deprecated false,
"getterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@see #nodeToNodeEncryptionOptions

@deprecated false,
"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptionsStatus",
"getterMethod" : "getNodeToNodeEncryptionOptions",
"getterSetterMethod" : "setNodeToNodeEncryptionOptions",
"getDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@see #nodeToNodeEncryptionOptions

@deprecated false,
"returnType" : "NodeToNodeEncryptionOptionsStatus",
"returnMethod" : "getNodeToNodeEncryptionOptions"}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>\n@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "NodeToNodeEncryptionOptionsStatus"
"variableSetterType" : "NodeToNodeEncryptionOptionsStatus",
},
"xmlnsNameSpaceUri" : null,
},
{
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptionsStatus",
This is a convenience that creates an instance of the {@link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via {@link AdvancedOptionsStatus#builder()}. When the {@link Consumer} completes, {@link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to {<link AdvancedOptionsStatus.Builder>}.<p>param advancedOptions a consumer that will call methods on {<link AdvancedOptionsStatus.Builder>}.<p>return Returns a reference to this object so that method calls can be chained together.</p>.
@see #advancedOptions(AdvancedOptionsStatus)">
"deprecated" : false,
"enumType" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
:return Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(AdvancedOptionsStatus)",
"fluentSetterMethodName" : "advancedOptions",
@return Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(AdvancedOptionsStatus)",
"getterModel" : {
  "returnType" : "AdvancedOptionsStatus",
  "documentation" : null
},
"constructorName" : "AdvancedOptionsStatus",
"isDefaultValueConstructor": true,
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p>Specifies the <code>AdvancedOptions</code> for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank"&gt;Configuring Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;&lt;p&gt;\n@param advancedOptions Specifies the &lt;code&gt;AdvancedOptions&lt;/code&gt; for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank"&gt;Configuring Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;\n
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : null,
  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : "<p>Specifies the &lt;code&gt;AdvancedOptions&lt;/code&gt; for the domain. See &lt;a
Configuring Advanced Options for more information.

This is a convenience that creates an instance of the LogPublishingOptionsStatus.Builder avoiding the need to create one manually via LogPublishingOptionsStatus#builder(). When the Consumer completes, LogPublishingOptionsStatus.Builder#build() is called immediately and its result is passed to LogPublishingOptionsStatus.LogPublishingOptions a consumer that will call methods on LogPublishingOptionsStatus.Builder#

Getters:

Log publishing options for the given domain.

Permissions: Log publishing options for the given domain.

Return Type: LogPublishingOptionsStatus

Documentation: Log publishing options for the given domain.

Additionally:

- Marshalling Path: null
- Unmarshalling Path: null
- Flattened: false
- Greedy: false
- Header: false
- Is Payload: false
- Is Streaming: false
- Location: null
- Marshal Location: "PAYLOAD"
- Marshal Location Name: "LogPublishingOptions"
LogPublishingOptions Log publishing options for the given domain.

@param logPublishingOptions Log publishing options for the given domain.

@return LogPublishingOptions

This is a convenience that creates an instance of the `{@link AccessPoliciesStatus.Builder}` avoiding the
need to create one manually via `{@link AccessPoliciesStatus#builder()}`. When the `{@link Consumer}`
completes, `{@link AccessPoliciesStatus.Builder#build()}` is called immediately and its result is passed to `{@link #accessPolicies(AccessPoliciesStatus)}`. @param accessPolicies a consumer that will call methods on

"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>

setterMethod: "setLogPublishingOptions",
setterModel: {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : null,
  "simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable": {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : "<p>Log publishing options for the given domain.</p>",
  "simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus"
},
"xmlNameSpaceUri" : null
}].

"membersAsMap": {
  "AccessPolicies": {
    "beanStyle GetterMethodName": "getAccessPolicies",
    "beanStyle SetterMethodName": "setAccessPolicies",
    "c2jName": "AccessPolicies",
    "c2jShape": "AccessPoliciesStatus",
    "defaultConsumer Fluent Setter Documentation": "<p>IAM access policy as a JSON-formatted string.</p>

This is a convenience that creates an instance of the `{@link AccessPoliciesStatus.Builder}` avoiding the
need to create one manually via `{@link AccessPoliciesStatus#builder()}`. When the `{@link Consumer}`
completes, `{@link AccessPoliciesStatus.Builder#build()}` is called immediately and its result is passed to `{@link #accessPolicies(AccessPoliciesStatus)}`. @param accessPolicies a consumer that will call methods on

"query
AccessPoliciesStatus.Builder\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #accessPolicies(AccessPoliciesStatus)",
"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string.\n@return Returns a reference to this object so that method calls can be chained
together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@return IAM access policy as a JSON-formatted string.",
"getterModel" : {
   "returnType" : "AccessPoliciesStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "AccessPolicies",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "AccessPolicies",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AccessPolicies",
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string."
"setterMethodName" : "setAccessPolicies"
"setterModel": {
    "variableDeclarationType": "AccessPoliciesStatus",
    "variableName": "accessPolicies",
    "variableType": "AccessPoliciesStatus",
    "documentation": null,
    "simpleType": "AccessPoliciesStatus",
    "variableSetterType": "AccessPoliciesStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "AccessPoliciesStatus",
    "variableName": "accessPolicies",
    "variableType": "AccessPoliciesStatus",
    "documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
    "simpleType": "AccessPoliciesStatus",
    "variableSetterType": "AccessPoliciesStatus"
},
"xmlNameSpaceUri": null
},

"AdvancedOptions": {
    "beanStyleGetterMethodName": "getAdvancedOptions",
    "beanStyleSetterMethodName": "setAdvancedOptions",
    "c2jName": "AdvancedOptions",
    "c2jShape": "AdvancedOptionsStatus",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>AdvancedOptions</code> for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.</p>This is a convenience that creates an instance of the @link AdvancedOptionsStatus.Builder avoiding the need to create one manually via @link AdvancedOptionsStatus#builder(). When the @link Consumer completes, @link AdvancedOptionsStatus.Builder#build() is called immediately and its result is passed to @link advancedOptions(AdvancedOptionsStatus)@param advancedOptions a consumer that will call methods on @link AdvancedOptionsStatus.Builder@n@nReturns a reference to this object so that method calls can be chained together.
",
    "deprecated": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "advancedOptions",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "advancedOptions",
@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.

@return Returns a reference to this object so that method calls can be chained together.


"getterModel" : {
    "returnType" : "AdvancedOptionsStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AdvancedOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AdvancedOptions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "AdvancedOptions",


"setterModel" : {
    "returnType" : "AdvancedOptionsStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AdvancedOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AdvancedOptions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "AdvancedOptions",


"setterModel" : {
    "returnType" : "AdvancedOptionsStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AdvancedOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AdvancedOptions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "AdvancedOptions",


"setterModel" : {
    "returnType" : "AdvancedOptionsStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AdvancedOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AdvancedOptions",
    "uri" : false
},

"idempotencyToken" : false,
Specifies the `<code>AdvancedOptions</code>` for the domain. See [Configuring Advanced Options](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options) for more information.

When the `<code>CognitoOptions</code>` completes, the `<code>CognitoOptionsStatus</code>` is returned.

For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
\n"getterModel" : {
    "returnType" : "CognitoOptionsStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "CognitoOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "CognitoOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"setterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@return Returns a reference to this object so that method calls can be chained together."
"setterMethodnName" : "cognitoOptions",
"setterModel" : null,
Amazon Cognito Authentication for Kibana

The `CognitoOptionsStatus` object is used to store information about Cognito authentication options for a Kibana domain. It includes the following properties:

- `variableDeclarationType`: Indicates the type of variable declaration.
- `variableName`: The name of the variable.
- `variableType`: The type of the variable.
- `documentation`: A description of the variable.
- `simple`: A boolean indicating if the variable is simple.
- `timestampFormat`: The format of the timestamp.
- `xmlNamespaceUri`: The namespace URI for the XML representation.

The `CognitoOptionsStatus` object is constructed using the `CognitoOptionsStatus.Builder` class, which provides fluent methods for setting the options:

```java
public class CognitoOptionsStatus {
    private final String cognitoOptions;
    private final String cognitoOptionsStatus;
    // Other fields...

    public static Builder builder() {
        return new Builder();
    }

    public static Builder builder(String cognitoOptions) {
        return builder().cognitoOptions(cognitoOptions);
    }

    // Fluent methods...

    public Builder withCognitoOptions(String cognitoOptions) {
        this.cognitoOptions = cognitoOptions;
        return this;
    }
}
```

The `EBSOptions` object is used to configure EBS (Elastic Block Storage) options for an Elasticsearch domain. It includes the following properties:

- `beanStyleGetterMethodName`: The method name for getting the bean style setter.
- `beanStyleSetterMethodName`: The method name for setting the bean style setter.
- `c2jName`: The C2J name for the object.
- `c2jShape`: The C2J shape for the object.
- `defaultConsumerFluentSetterDocumentation`: The documentation for the fluent setter.

The `EBSOptionsStatus` object provides a fluent interface for configuring EBS options:

```java
public class EBSOptionsStatus {
    private final EBSOptions ebsOptions;
    // Other fields...

    public static Builder builder() {
        return new Builder();
    }

    public static Builder builder(EBSOptions ebsOptions) {
        return builder().ebsOptions(ebsOptions);
    }

    // Fluent methods...

    public Builder withEBSOptions(EBSOptions ebsOptions) {
        this.ebsOptions = ebsOptions;
        return this;
    }
}
```

For more information, see the Amazon Cognito Authentication for Kibana documentation at https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html.
"fluentSetterMethodName" : "ebsOptions",
"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",

"getterModel" : {
  "returnType" : "EBSOptionsStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",

"setterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",

"setterMethodName" : "setEbsOptions",

"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},

"simple" : false,
"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
"documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
}
"variableType" : "EBSOptionsStatus",
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"simpleType" : "EBSOptionsStatus",
"variableSetterType" : "EBSOptionsStatus"
],
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfigStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p> This is a convenience that creates an instance of the { @link ElasticsearchClusterConfigStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfigStatus#builder()}. When the { @link Consumer} completes, { @link ElasticsearchClusterConfigStatus.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)} a consumer that will call methods on { @link ElasticsearchClusterConfigStatus.Builder} returning a reference to this object so that method calls can be chained together.

@link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)",
"getterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@return Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
@link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)",
"getterMethod" : {
"returnType" : "ElasticsearchClusterConfigStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>\n\n@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfigStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfigStatus",
    "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfigStatus",
    "documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>\n\n"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchVersion" : {
    "beanStyleGetterMethodName" : "getElasticsearchVersion",
    "beanStyleSetterMethodName" : "setElasticsearchVersion",
    "c2jName" : "ElasticsearchVersion",
    "c2jShape" : "ElasticsearchVersionStatus"
"defaultConsumerFluentSetterDocumentation" : "\p>String of format X.Y to specify version for the Elasticsearch domain.\nThis is a convenience that creates an instance of the \{ @link ElasticsearchVersionStatus.Builder \} avoiding the need to create one manually via \{ @link ElasticsearchVersionStatus#builder() \}.\nWhen the \{ @link Consumer \} completes, \{ @link ElasticsearchVersionStatus.Builder#build() \} is called immediately and its result is passed to \{ @link #elasticsearchVersion(ElasticsearchVersionStatus) \}.\n@\param elasticsearchVersion a consumer that will call methods on \{ @link ElasticsearchVersionStatus.Builder \}\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"deprecated" : false,
"documentation" : "\p>String of format X.Y to specify version for the Elasticsearch domain.\n\nWhen the \{ @link Consumer \} completes, \{ @link ElasticsearchVersionStatus.Builder#build() \} is called immediately and its result is passed to \{ @link #elasticsearchVersion(ElasticsearchVersionStatus) \}.\n@\param elasticsearchVersion a consumer that will call methods on \{ @link ElasticsearchVersionStatus.Builder \}\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "\p>String of format X.Y to specify version for the Elasticsearch domain.\n\nWhen the \{ @link Consumer \} completes, \{ @link ElasticsearchVersionStatus.Builder#build() \} is called immediately and its result is passed to \{ @link #elasticsearchVersion(ElasticsearchVersionStatus) \}.\n@\param elasticsearchVersion a consumer that will call methods on \{ @link ElasticsearchVersionStatus.Builder \}\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"getterDocumentation" : "\p>String of format X.Y to specify version for the Elasticsearch domain.\n\nWhen the \{ @link Consumer \} completes, \{ @link ElasticsearchVersionStatus.Builder#build() \} is called immediately and its result is passed to \{ @link #elasticsearchVersion(ElasticsearchVersionStatus) \}.\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"getterModel" : {
  "returnType" : "ElasticsearchVersionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
\[@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.\]
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersion",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchVersionStatus",
  "variableSetterType" : "ElasticsearchVersionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersion",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : "String of format X.Y to specify version for the Elasticsearch domain.
\[@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.\]
  "variableSetterType" : "ElasticsearchVersionStatus"
},
"xmlNameSpaceUri" : null,

"EncryptionAtRestOptions" : {
  "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
  "beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
  "c2jName" : "EncryptionAtRestOptions",
  "c2jShape" : "EncryptionAtRestOptionsStatus",
  "defaultConsumerFluentSetterDocumentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
\[@param encryptionAtRestOptions a consumer that will call methods on \[@link EncryptionAtRestOptionsStatus.Builder\] avoiding the need to create one manually via \[@link EncryptionAtRestOptionsStatus#builder\].\nWhen the \[@link Consumer\] completes, \[@link EncryptionAtRestOptionsStatus.Builder#build\] is called immediately and its result is passed to \[@link EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)\].\n@returns Returns a reference to this object so that method calls can be chained together.\n\[@see encryptionAtRestOptions(EncryptionAtRestOptionsStatus)\],
  "deprecated" : false,
  "documentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
},
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",}
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. ",
"getterModel" : {
"returnType" : "EncryptionAtRestOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. ",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptionsStatus",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptionsStatus",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptionsStatus",
"variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. ",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptionsStatus",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptionsStatus",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptionsStatus",
"variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. ",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptionsStatus",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptionsStatus",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptionsStatus",
"variableSetterType" : "EncryptionAtRestOptionsStatus"}
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptionsStatus",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptionsStatus",
  "documentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
  "simpleType": "EncryptionAtRestOptionsStatus",
  "variableSetterType": "EncryptionAtRestOptionsStatus"
},
"xmlNameSpaceUri": null
},
"LogPublishingOptions": {
  "beanStyleGetterMethodName": "getLogPublishingOptions",
  "beanStyleSetterMethodName": "setLogPublishingOptions",
  "c2jName": "LogPublishingOptions",
  "c2jShape": "LogPublishingOptionsStatus",
  "defaultConsumerFluentSetterDocumentation": "<p>Log publishing options for the given domain.</p>
  This is a convenience that creates an instance of the {@link LogPublishingOptionsStatus.Builder} avoiding the need to create one manually via {@link LogPublishingOptionsStatus#builder()}. When the {@link Consumer} completes, {@link LogPublishingOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link LogPublishingOptionsStatus.Builder}.\n  \n  @param logPublishingOptions a consumer that will call methods on {@link LogPublishingOptionsStatus.Builder}\n  \n  @return Returns a reference to this object so that method calls can be chained together.\n  \n  @see #logPublishingOptions(LogPublishingOptionsStatus)"
},
"deprecated": false,
"documentation": "<p>Log publishing options for the given domain.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "logPublishingOptions",
"fluentSetterDocumentation": "<p>Log publishing options for the given domain.</p>\n  \n  @param logPublishingOptions Log publishing options for the given domain.\n  \n  @return Returns a reference to this object so that method calls can be chained together."
},
"getterDocumentation": "<p>Log publishing options for the given domain.</p>\n  \n  @return Log publishing options for the given domain."",
"getterModel": {
  "returnType": "LogPublishingOptionsStatus",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
"setterDocumentation": "Log publishing options for the given domain.",
"setterMethodName": "setLogPublishingOptions",
"setterModel": {
  "variableDeclarationType": "LogPublishingOptionsStatus",
  "variableName": "logPublishingOptions",
  "variableType": "LogPublishingOptionsStatus",
  "documentation": null,
  "simpleType": "LogPublishingOptionsStatus",
  "variableSetterType": "LogPublishingOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOptionsStatus",
  "variableName": "logPublishingOptions",
  "variableType": "LogPublishingOptionsStatus",
  "documentation": "Log publishing options for the given domain.",
  "simpleType": "LogPublishingOptionsStatus",
  "variableSetterType": "LogPublishingOptionsStatus"
},
"xmlNameSpaceUri": null
},
"NodeToNodeEncryptionOptions": {
  "beanStyleGetterMethodName": "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName": "setNodeToNodeEncryptionOptions",
  "c2jName": "NodeToNodeEncryptionOptions",
  "c2jShape": "NodeToNodeEncryptionOptionsStatus",
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NodeToNodeEncryptionOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NodeToNodeEncryptionOptions",
  "uri": false,
  "idempotencyToken": false,
  "isBinary": false,
  "jsonValue": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "marshallingType": "SDK_POJO",
  "name": "NodeToNodeEncryptionOptions",
  "setterDocumentation": "Log publishing options for the given domain.",
  "setterMethodName": "setNodeToNodeEncryptionOptions",
  "setterModel": {
    "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptionsStatus",
    "documentation": null,
    "simpleType": "NodeToNodeEncryptionOptionsStatus",
    "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
  },
  "simple": false,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptionsStatus",
    "documentation": "Log publishing options for the given domain.",
    "simpleType": "NodeToNodeEncryptionOptionsStatus",
    "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
  },
  "xmlNameSpaceUri": null
}
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptionsStatus.Builder} avoiding the need to create one manually via the {@link NodeToNodeEncryptionOptionsStatus#builder()}. When the consumer completes, the builders are called immediately and its result is passed to the @link NodeToNodeEncryptionOptionsStatus#builder().

@param nodeToNodeEncryptionOptions a consumer that will call methods on the NodeToNodeEncryptionOptionsStatus.Builder.

@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",

"deprecated" : false,

"documentation" : "<p>Specifies the NodeToNodeEncryptionOptions for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the NodeToNodeEncryptionOptionsStatus.Builder avoiding the need to create one manually via the NodeToNodeEncryptionOptionsStatus#builder(). When the consumer completes, the builders are called immediately and its result is passed to the NodeToNodeEncryptionOptionsStatus#builder().

@returns Returns a reference to this object so that method calls can be chained together.

@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",

"fluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the NodeToNodeEncryptionOptionsStatus.Builder avoiding the need to create one manually via the NodeToNodeEncryptionOptionsStatus#builder(). When the consumer completes, the builders are called immediately and its result is passed to the NodeToNodeEncryptionOptionsStatus#builder().

@returns Returns a reference to this object so that method calls can be chained together.

@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",

"getterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the NodeToNodeEncryptionOptionsStatus.Builder avoiding the need to create one manually via the NodeToNodeEncryptionOptionsStatus#builder(). When the consumer completes, the builders are called immediately and its result is passed to the NodeToNodeEncryptionOptionsStatus#builder().

@return Returns a reference to this object so that method calls can be chained together.

@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",

"getterModel" : {

"returnType" : "NodeToNodeEncryptionOptionsStatus",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "NodeToNodeEncryptionOptions",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "NodeToNodeEncryptionOptions",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri" : null,
"SnapshotOptions" : {
  "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions",
  "c2jShape" : "SnapshotOptionsStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
  
  This is a convenience that creates an instance of the { @link SnapshotOptionsStatus.Builder} avoiding the need to create one manually via { @link SnapshotOptionsStatus#builder}.

  When the { @link Consumer} completes, { @link SnapshotOptionsStatus.Builder#build} is called immediately and its result is passed to { @link SnapshotOptions(SnapshotOptionsStatus)}.

  @param snapshotOptions a consumer that will call methods on { @link SnapshotOptionsStatus.Builder}

  @return Returns a reference to this object so that method calls can be chained together.

  @see #snapshotOptions(SnapshotOptionsStatus)
  
  "deprecated" : false,
  "documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
  "enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"getterModel" : {
   "returnType" : "SnapshotOptionsStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "SnapshotOptions",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "SnapshotOptions",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
   "variableDeclarationType" : "SnapshotOptionsStatus",
   "variableName" : "snapshotOptions",
   "variableType" : "SnapshotOptionsStatus"}
"documentation" : null,
"simpleType" : "SnapshotOptionsStatus",
"variableSetterType" : "SnapshotOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "SnapshotOptionsStatus",
 "variableName" : "snapshotOptions",
 "variableType" : "SnapshotOptionsStatus",
 "documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
 "simpleType" : "SnapshotOptionsStatus",
 "variableSetterType" : "SnapshotOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"VPCOptions" : {
 "beanStyleGetterMethodName" : "getVpcOptions",
 "beanStyleSetterMethodName" : "setVpcOptions",
 "c2jName" : "VPCOptions",
 "c2jShape" : "VPCDerivedInfoStatus",
 "defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p><p>This is a convenience that creates an instance of the {@link VPCDerivedInfoStatus.Builder} avoiding the need to create one manually via {@link VPCDerivedInfoStatus#builder()}. When the {@link Consumer} completes, {@link VPCDerivedInfoStatus.Builder#build()} is called immediately and its result is passed to {@link #vpcOptions(VPCDerivedInfoStatus)}. Returns a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCDerivedInfoStatus)",
 "deprecated" : false,
 "documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "vpcOptions",
 "fluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
@see #vpcOptions(VPCDerivedInfoStatus)",
 "fluentSetterMethodName" : "vpcOptions",
}
"getterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>

@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",

"getterModel" : {
  "returnType" : "VPCDerivedInfoStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "VPCOptions",

"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>

@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",

"setterMethodName" : "setVpcOptions",

"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfoStatus"}
"variableSetterType" : "VPCDerivedInfoStatus",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "VPCDerivedInfoStatus",
"variableName" : "vpcOptions",
"variableType" : "VPCDerivedInfoStatus",
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
"simpleType" : "VPCDerivedInfoStatus",
"variableSetterType" : "VPCDerivedInfoStatus"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {@link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchVersionStatus#builder()}.\n\nWhen the {@link Consumer} completes, {@link ElasticsearchVersionStatus.Builder#build()} is called immediately and its result is passed to the method.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"deprecated" : false,
"documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {@link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchVersionStatus#builder()}.\n\nWhen the {@link Consumer} completes, {@link ElasticsearchVersionStatus.Builder#build()} is called immediately and its result is passed to the method.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {@link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchVersionStatus#builder()}.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"getterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {@link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchVersionStatus#builder()}.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"getterModel" : {
"returnType" : "ElasticsearchVersionStatus",
"documentation" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {\link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {\link ElasticsearchVersionStatus#builder()}.\n\nWhen the {\link Consumer} completes, {\link ElasticsearchVersionStatus.Builder#build()} is called immediately and its result is passed to the method.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"deprecated" : false,
"documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {\link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {\link ElasticsearchVersionStatus#builder()}.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {\link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {\link ElasticsearchVersionStatus#builder()}.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"getterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {\link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via {\link ElasticsearchVersionStatus#builder()}.\n\nWhen the method completes, returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(ElasticsearchVersionStatus)",
"getterModel" : {
"returnType" : "ElasticsearchVersionStatus",
"documentation" : null
}
]
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfigStatus",
"defaultConsumerFluentSetterDocumentation" : ": Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain."\nThis is a convenience that creates an instance of the \{\@link ElasticsearchClusterConfigStatus.Builder\} avoiding the need to create one manually via \{\@link ElasticsearchClusterConfigStatus#builder()\}.\nWhen the \{\@link Consumer\} completes, \{\@link ElasticsearchClusterConfigStatus.Builder#build()\} is called immediately and its result is passed to \{\@link #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\}.\n\n@param elasticsearchClusterConfig a consumer that will call methods on \{\@link ElasticsearchClusterConfigStatus.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)",

"deprecated" : false,

"documentation" : ": Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,

"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "elasticsearchClusterConfig",

"fluentSetterDocumentation" : ": Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n\n@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n\n@return Returns a reference to this object so that method calls can be chained together.\n
"fluentSetterMethodName" : "elasticsearchClusterConfig",

"getterDocumentation" : ": Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n\n@return Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n
"getterModel" : {\n
"returnType" : "ElasticsearchClusterConfigStatus",

"documentation" : null
},

"http" : {\n
"additionalMarshalllingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "ElasticsearchClusterConfig",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "ElasticsearchClusterConfig",

"uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.

"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>

"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>

"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>

"getterMethodName" : "getEbsOptions",
"getterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
}
enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "ebsOptions",
"fluentSetterDocumentation": "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "ebsOptions",
"getterDocumentation": "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"getterModel": {
"returnType": "EBSOptionsStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EBSOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EBSOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EBSOptions",
"setterDocumentation": "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>\n@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"setterMethodName": "setEbsOptions",
"setterModel": {
"variableDeclarationType": "EBSOptionsStatus",
"variableName": "ebsOptions",
"variableType": "EBSOptionsStatus"}
"documentation" : null,
"simpleType" : "EBSOptionsStatus",
"variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getAccessPolicies",
  "beanStyleSetterMethodName" : "setAccessPolicies",
  "c2jName" : "AccessPolicies",
  "c2jShape" : "AccessPoliciesStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the {@link AccessPoliciesStatus.Builder} avoiding the need to create one manually via {@link AccessPoliciesStatus#builder()}. When the {@link Consumer} completes, {@link AccessPoliciesStatus.Builder#build()} is called immediately and its result is passed to {@link AccessPolicies(AccessPoliciesStatus)}.  
@param accessPolicies a consumer that will call methods on {@link AccessPoliciesStatus.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(AccessPoliciesStatus)",
  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "accessPolicies",
  "getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.
",
  "getterModel" : {
    "returnType" : "AccessPoliciesStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "additionalConsumers" : null,
    "additionalProducers" : null
  }
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AccessPolicies",
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string."
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "AccessPoliciesStatus",
  "variableName" : "accessPolicies",
  "variableType" : "AccessPoliciesStatus",
  "documentation" : null,
  "simpleType" : "AccessPoliciesStatus",
  "variableSetterType" : "AccessPoliciesStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AccessPoliciesStatus",
  "variableName" : "accessPolicies",
  "variableType" : "AccessPoliciesStatus",
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n<br>accessPolicies
  "simpleType" : "AccessPoliciesStatus",
  "variableSetterType" : "AccessPoliciesStatus"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions"}
"c2jShape" : "SnapshotOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\nThis is a convenience that creates an instance of the <a href="#SnapshotOptionsStatus.Builder">SnapshotOptionsStatus.Builder</a> avoiding the need to create one manually via <a href="#SnapshotOptionsStatus#builder()">SnapshotOptionsStatus#builder()</a>. When the <a href="#Consumer">Consumer</a> completes, <a href="#SnapshotOptionsStatus.Status.Builder#build()">SnapshotOptionsStatus.Status.Builder#build()</a> is called immediately and its result is passed to <a href="##snapshotOptions(SnapshotOptionsStatus)">#snapshotOptions(SnapshotOptionsStatus)\n</a>@param snapshotOptions a consumer that will call methods on <a href="#SnapshotOptionsStatus.Status.Builder">@link SnapshotOptionsStatus.Status.Builder</a>\n@return Returns a reference to this object so that method calls can be chained together.\n@see #snapshotOptions(SnapshotOptionsStatus)\n"
,"deprecated" : false,
"documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\n</p>\n","enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\n</p>\n@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\n@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\n"getterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\n</p>\n@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.\n"getterModel" : {
  "returnType" : "SnapshotOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "\nSpecifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
\n@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptionsStatus",
  "documentation" : null,
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptionsStatus",
  "documentation" : "\nSpecifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
},
"xmlNameSpaceUri" : null,
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCDerivedInfoStatus",
"defaultValueConsumerFluentSetterDocumentation" : "\nThe <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
\nThis is a convenience that creates an instance of the [ @link VPCDerivedInfoStatus.Builder ] avoiding the need to create one manually via [ @link VPCDerivedInfoStatus#builder() ]. When the [ @link Consumer ] completes, [ @link VPCDerivedInfoStatus.Builder#build() ] is called immediately and its result is passed to [ @link VpcOptions(VPCDerivedInfoStatus) ].
\n@returns a reference to this object so that method calls can be chained together.
\n@see #vpcOptions(VPCDerivedInfoStatus)",
"deprecated" : false,
"documentation" : "\nThe <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
\nenumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
",
"getterModel" : {
  "returnType" : "VPCDerivedInfoStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

setter method calls can be chained together.</p>"}
VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

```xml
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

```

```xml
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : null,
  "complexType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

```

```xml
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the <code>CognitoOptionsStatus.Builder</code> avoiding the need to create one manually via <code>CognitoOptionsStatus#builder()</code>. When the <code>CognitoOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>CognitoOptionsStatus</code> a consumer that will call methods on <code>CognitoOptionsStatus.Builder</code> and return a reference to this object so that method calls can be chained together.

```

```xml
deprecated" : false,

```

```xml
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p><p>@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p><p>@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"getterModel" : {
  "returnType" : "CognitoOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"setterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p><p>@param cognitoOptions The
<code>CognitoOptions</code> for the specified domain. For more information, see a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

- setterMethodName : "setCognitoOptions",
- setterModel : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : null,
  "simpleType" : "CognitoOptionsStatus",
  "variableSetterType" : "CognitoOptionsStatus"
},
- "simple" : false,
- "timestampFormat" : null,
- "variable" : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
  "xmlNamespaceUri" : null
},
- "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
- "beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
- "c2jName" : "EncryptionAtRestOptions",
- "c2jShape" : "EncryptionAtRestOptionsStatus",
- "defaultConsumerFluentSetterDocumentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.\nThis is a convenience that creates an instance of the [EncryptionAtRestOptionsStatus.Builder] avoiding the need to create one manually via EncryptionAtRestOptionsStatus#builder().\nWhen the [EncryptionAtRestOptionsStatus.Builder#build()] is called immediately and its result is passed to EncryptionAtRestOptions a consumer that will call methods on EncryptionAtRestOptionsStatus.Builder\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
- "deprecated" : false,
- "documentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.",
- "enumType" : null,
- "eventHeader" : false,
- "eventPayload" : false,
- "fluentEnumGetterMethodName" : null,
- "fluentEnumSetterMethodName" : null,
- "fluentGetterMethodName" : "encryptionAtRestOptions",
- "fluentSetterDocumentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
"getterModel" : {
    "returnType" : "EncryptionAtRestOptionsStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EncryptionAtRestOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EncryptionAtRestOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
    "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
    "variableName" : "encryptionAtRestOptions",
    "variableType" : "EncryptionAtRestOptionsStatus",
    "documentation" : null,
    "simpleType" : "EncryptionAtRestOptionsStatus",
    "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "EncryptionAtRestOptionsStatus",
  "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"xmlNameSpaceUri" : null,
},

"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the
<code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
This is a convenience that
creates an instance of the [@link NodeToNodeEncryptionOptionsStatus.Builder] avoiding the need to create one
manually via [@link NodeToNodeEncryptionOptionsStatus#builder()].
When the [@link Consumer] completes, [@link NodeToNodeEncryptionOptionsStatus.Builder#build()] is called immediately and its result is
passed to [@link #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)].
@returns Returns a reference to this object so that method calls can
be chained together.@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@returns Returns a reference to this object so that method calls can
be chained together.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the
Elasticsearch domain.</p>"
@returns Returns a reference to this object so that method calls can
be chained together.",
"fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the
Elasticsearch domain.</p>"
@returns Specifies the <code>NodeToNodeEncryptionOptions</code> for the
Elasticsearch domain.",
"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NodeToNodeEncryptionOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>\n@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>\"",
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getAdvancedOptions",...
"beanStyleSetterMethodName": "setAdvancedOptions",
"c2jName": "AdvancedOptions",
"c2jShape": "AdvancedOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "\p Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\p\n\nThis is a convenience that creates an instance of the {@link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via {@link AdvancedOptionsStatus#builder()}.\n\nWhen the {@link Consumer} completes, {@link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link AdvancedOptionsStatus}.\n\n@param advancedOptions a consumer that will call methods on {@link AdvancedOptionsStatus}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #advancedOptions(AdvancedOptionsStatus)",

"deprecated": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "advancedOptions",
"fluentSetterDocumentation": "\p Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\p\n\nSpecifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n\n@return Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n\n@return Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n\n@return Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n",
"getterDocumentation": "\p Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n\n@return Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n\n@return Specifies the <code>AdvancedOptions</code> for the domain. See \a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.\n",
"getterModel": {
"returnType": "AdvancedOptionsStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AdvancedOptions",

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : null,
  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",

"simpleType" : "AdvancedOptionsStatus",
"variableSetterType" : "AdvancedOptionsStatus"
This is a convenience that creates an instance of the \{@link LogPublishingOptionsStatus.Builder\} avoiding the need to create one manually via \{@link LogPublishingOptionsStatus#builder()\}. When the \{@link Consumer\} completes, \{@link LogPublishingOptionsStatus.Builder#build()\} is called immediately and its result is passed to \{@link LogPublishingOptionsStatus(LogPublishingOptionsStatus)\}. On return Returns a reference to this object so that method calls can be chained together.\n
The documentation is: \"Log publishing options for the given domain.\"
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "LogPublishingOptions",
"setterDocumentation": "<p>Log publishing options for the given domain.</p>
@param
logPublishingOptions Log publishing options for the given domain.",
"setterMethodName": "setLogPublishingOptions",
"setterModel": {
  "variableDeclarationType": "LogPublishingOptionsStatus",
  "variableName": "logPublishingOptions",
  "variableType": "LogPublishingOptionsStatus",
  "documentation": null,
  "simpleType": "LogPublishingOptionsStatus",
  "variableSetterType": "LogPublishingOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOptionsStatus",
  "variableName": "logPublishingOptions",
  "variableType": "LogPublishingOptionsStatus",
  "documentation": "<p>Log publishing options for the given domain.</p>",
  "simpleType": "LogPublishingOptionsStatus",
  "variableSetterType": "LogPublishingOptionsStatus"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ElasticsearchDomainConfig",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ElasticsearchDomainConfig",
  "variableName": "elasticsearchDomainConfig",
  "variableType": "ElasticsearchDomainConfig",
  "documentation": null,
  "simpleType": "ElasticsearchDomainConfig",
  "variableSetterType": "ElasticsearchDomainConfig"
"ElasticsearchDomainStatus": {
  "c2jName": "ElasticsearchDomainStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "The current status of an Elasticsearch domain.",
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    { "beanStyleGetterMethodName": "getDomainId",
      "beanStyleSetterMethodName": "setDomainId",
      "c2jName": "DomainId",
      "c2jShape": "DomainId",
      "defaultConsumerFluentSetterDocumentation": "The unique identifier for the specified Elasticsearch domain.",
      "deprecated": false,
      "documentation": "The unique identifier for the specified Elasticsearch domain.",
      "enumType": null,
      "eventHeader": false,
      "eventPayload": false,
      "fluentEnumGetterMethodName": null,
      "fluentEnumSetterMethodName": null,
      "fluentGetterMethodName": "domainId",
      "fluentSetterDocumentation": "The unique identifier for the specified Elasticsearch domain.",
      "fluentSetterMethodName": "domainId",
      "fluentSetterType": "DomainId"
    }
  ]
}
"getterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>

Getter Method:

```java
getterModel() {
  "returnType" : "String",
  "documentation" : null
}
```

HTTP Method:

```java
http() {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainId",
  "uri" : false
}
```

Idempotency Token:

```java
idempotencyToken() {
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "DomainId",
  "setterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>

Setter Method:

```java
setterModel() {
  "setterMethodName" : "setDomainId",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  }
}
```

Simple:

```java
simple() {
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainId",
    "variableType" : "String"
  }
}
```


"documentation": "The unique identifier for the specified Elasticsearch domain.\n\nThis is a convenience that creates an instance of the \n{@link String#builder()} avoiding the need to create one manually via \n{@link String#builder()}. When the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link domainName(String)}.\n\n@see #domainName(String)",
"deprecated": false,
"documentation": "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nThis name is used to uniquely identify an Elasticsearch domain.\n\nDomain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link domainName(String)}.\n\n@see #domainName(String)",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterMethodName": "domainName",
"fluentSetterDocumentation": "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nThis name is used to uniquely identify an Elasticsearch domain.\n\nDomain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link domainName(String)}.\n\n@see #domainName(String)",
"getterDocumentation": "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nThis name is used to uniquely identify an Elasticsearch domain.\n\nDomain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link domainName(String)}.\n\n@see #domainName(String)",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
",
"setterMethodName": "setDomainName",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "domainName",
   "variableType": "String",
   "documentation": null,
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
   "variableDeclarationType": "String",
   "variableName": "domainName",
   "variableType": "String",
   "documentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>",
   "simpleType": "String",
   "variableSetterType": "String"
},
"simple": true,
"xmlnsSpaceUri": null,
},

"beanStyleGetterMethodName": "getArn",
"beanStyleSetterMethodName": "setArn",
"c2jName": "ARN",
"c2jShape": "ARN",
When the Consumer completes, the Consumer is called immediately and its result is passed to the Consumer a consumer that will call methods on the String.Builder. When the Consumer completes, the Consumer is called immediately and its result is passed to the Consumer a consumer that will call methods on the String.Builder. Returns a reference to this object so that method calls can be chained together.

"deprecated": false,


"enumType": null,

"eventHeader": false,

"eventPayload": false,

"fluentEnumGetterMethodName": null,

"fluentEnumSetterMethodName": null,

"fluentGetterMethod": "arn",


"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
}
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",

"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "simpleType" : "String",
}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,
{
"beanStyleGetterMethodName" : "getCreated",
"beanStyleSetterMethodName" : "setCreated",
"c2jName" : "Created",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The domain creation status.  <code>True</code> if the creation of an Elasticsearch domain is complete.  <code>False</code> if domain creation is still in progress.</p>This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean.Builder()}. When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #created(Boolean)}.<p>@param created a consumer that will call methods on { @link Boolean.Builder}</p>@return Returns a reference to this object so that method calls can be chained together.</p>
@see #created(Boolean)",
"deprecated" : false,
"documentation" : "<p>The domain creation status.  <code>True</code> if the creation of an Elasticsearch domain is complete.  <code>False</code> if domain creation is still in progress.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "<p>The domain creation status.  <code>True</code> if the creation of an Elasticsearch domain is complete.  <code>False</code> if domain creation is still in progress.</p>
@param created The domain creation status.  <code>True</code> if the creation of an Elasticsearch domain is complete.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>The domain creation status.  <code>True</code> if the creation of an Elasticsearch domain is complete.  <code>False</code> if domain creation is still in progress.</p>
@return The domain creation status.
@see #created(Boolean)",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Created",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Created",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Created",
"setterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
@param created
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
"setterMethodName" : "setCreated",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "created",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "created",
  "variableType" : "Boolean",
  "documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
"setterMethodName" : "setCreated",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "created",
  "variableType" : "Boolean",
  "documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
  "beanStyleGetterMethodName" : "getDeleted",
  "beanStyleSetterMethodName" : "setDeleted",
  "c2jName" : "Deleted",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer
This is a convenience that creates an instance of the {link Boolean.Builder} avoiding the need to create one manually via {link Boolean#builder()}. When the {link Consumer} completes, {link Boolean.Builder#build()} is called immediately and its result is passed to {link #deleted(Boolean)}. @param deleted a consumer that will call methods on {link Boolean.Builder}. @return Returns a reference to this object so that method calls can be chained together. @see #deleted(Boolean)

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.
The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

```
@param deleted
The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

```

```
"setterDocumentation" : 
"setterMethodName" : 
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : 
"setterMethodOverride" : "setDeleted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEndpoint",
"beanStyleSetterMethodName" : "setEndpoint",
"c2jName" : "Endpoint",
"c2jShape" : "ServiceUrl",
"defaultConsumerFluentSetterDocumentation" : 
"defaultConsumerSetterDocumentation" : 
"defaultSetterDocumentation" : 
"documentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests."

```

This is a convenience that creates an instance of the <code>@link String.Builder</code> avoiding the need to create one manually via <code>@link String#builder()</code>. When the <code>@link Consumer</code> completes, <code>@link String.Builder#build()</code> is called immediately and its result is passed to <code>@link endpoint(String)</code>. If a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

```
Returns a reference to this object so that method calls can be chained together.

@see #endpoint(String)

"deprecated") : false,
"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search
requests.</p>

.enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "endpoint",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search
requests.</p>

.@return Returns a reference to this object so that method calls can be chained together.

.getterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search
requests.</p>

.@return The Elasticsearch domain endpoint that you use to submit index and search requests.

.getterModel" : {
    "returnType" : "String",
    "documentation" : null
    },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Endpoint",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Endpoint",
    "uri" : false
    },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Endpoint",
"setterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search
requests.</p>

.@param endpoint The Elasticsearch domain endpoint that you use to submit index and search
requests.

@see #endpoint(String)"
"setterMethodName" : "setEndpoint",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.
<p>The Elasticsearch domain endpoint that you use to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2bsd34efgygbrtuk5gt6j2fob4.us-east-1.es.amazonaws.com'</code></p>

This is a convenience that creates an instance of the { @link Map&lt;String,String&gt;.Builder} avoiding the need to create one manually via { @link Map&lt;String,String&gt;#builder()},\n
When the { @link Consumer} completes, { @link Map&lt;String,String&gt;.Builder#build()} is called immediately and its result is passed to { @link Map&lt;String,String&gt;#endpoints(Map&lt;String,String&gt;)}.\n
@see #endpoints(Map&lt;String,String&gt;)
@deprecated : false,
"documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2bsd34efgygbrtuk5gt6j2fob4.us-east-1.es.amazonaws.com'</code>
<p>@param endpoints a consumer that will call methods on { @link Map&lt;String,String&gt;#endpoints(Map&lt;String,String&gt;)}.\n
*This is a convenience that creates an instance of the { @link Map&lt;String,String&gt;.Builder} avoiding the need to create one manually via { @link Map&lt;String,String&gt;#builder()},\n
When the { @link Consumer} completes, { @link Map&lt;String,String&gt;.Builder#build()} is called immediately and its result is passed to { @link Map&lt;String,String&gt;#endpoints(Map&lt;String,String&gt;)}.\n
@see #endpoints(Map&lt;String,String&gt;)
@deprecated : false,
"documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2bsd34efgygbrtuk5gt6j2fob4.us-east-1.es.amazonaws.com'</code>
<p>@param endpoints a consumer that will call methods on { @link Map&lt;String,String&gt;#endpoints(Map&lt;String,String&gt;)}.\n
*This is a convenience that creates an instance of the { @link Map&lt;String,String&gt;.Builder} avoiding the need to create one manually via { @link Map&lt;String,String&gt;#builder()},\n
When the { @link Consumer} completes, { @link Map&lt;String,String&gt;.Builder#build()} is called immediately and its result is passed to { @link Map&lt;String,String&gt;#endpoints(Map&lt;String,String&gt;)}.\n
@see #endpoints(Map&lt;String,String&gt;)
@deprecated : false,
"documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2bsd34efgygbrtuk5gt6j2fob4.us-east-1.es.amazonaws.com'</code>
<p>@param endpoints Map containing the
Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.

"getterModel" : {
    "returnType" : "java.util.Map<String,String>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Endpoints",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Endpoints",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"isBinary" : false,

"isPayload" : false,

"isStreaming" : false,

"keyLocationName" : "key",

"keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called
immediately and its result is passed to { @link #key(String)\n@.*param key a consumer that will call methods on
{ @link String.Builder}\n@.*return Returns a reference to this object so that method calls can be chained
together.\n@.*see #key(String)\n    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@.*return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\n@.*return The value of the Key property for this object."
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "key",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "key",
        "uri" : false
    }
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "Key",
    "setterDocumentation" : "Sets the value of the Key property for this object.\n\n@.*param key The new value for the Key property for this object.\n@.*return Returns a reference to this object so that method calls can be chained together."}
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.

When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #value(String)\}.

@param value a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n
@see #value(String)",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object.

The new value for the Value property for this object.\n
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object.\n
@return The value of the Value property for this object.",
  "getterModel": {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>",

"marshallingType" : "MAP",
"name" : "Endpoints",
"setterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>",

"setterMethodName" : "setEndpoints",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
  "variableSetterType" : "java.util.Map<String,String>",
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getProcessing",
"beanStyleSetterMethodName" : "setProcessing",
"c2jName" : "Processing",
"c2jShape" : "Boolean",

"defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

This is a convenience that creates an instance of the <code>@link Boolean.Builder</code> avoiding the need to create one manually via <code>@link Boolean.Builder()</code>. When the <code>@link Consumer</code> completes, <code>@link Boolean.Builder#build()</code> is called immediately and its result is passed to <code>@link #processing(Boolean)</code>.<p></p>

@see #processing(Boolean)"
"deprecated" : false,
"documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes.

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "processing",
"getterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@return The status of the Elasticsearch domain configuration.

@returns The status of the Elasticsearch domain configuration.

@returns Returns a reference to this object so that method calls can be chained together.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Processing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Processing",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing"
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>".

"setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null,
},

"beanStyleGetterMethodName" : "getUpgradeProcessing",
"beanStyleSetterMethodName" : "setUpgradeProcessing",
"c2jName" : "UpgradeProcessing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>"
"deprecated" : false,
"documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",}
"fluentSetterDocumentation": "The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.

@returns A reference to this object so that method calls can be chained together."

"getterDocumentation": "The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.

@returns The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.

"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UpgradeProcessing",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UpgradeProcessing",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "UpgradeProcessing",
"setterDocumentation": "The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.

@returns The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.

"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "upgradeProcessing"
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableName" : "upgradeProcessing",
"variableType" : "Boolean",
"documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if
Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is
active.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "upgradeProcessing",
"variableType" : "Boolean",
"documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if
Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is
active.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchVersion",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ElasticsearchVersion",
"setterDocumentation": "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.
",
"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
}
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The type and number of instances in the domain cluster.&lt;/p&gt;
The type and number of instances in the domain cluster.
This is a convenience that creates an instance of the {@link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchClusterConfig#builder()}. When the {@link Consumer} completes, {@link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}.

When the Consumer completes, {@link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "&lt;p&gt;The type and number of instances in the domain cluster.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "&lt;p&gt;The type and number of instances in the domain cluster.&lt;/p&gt;
@see #elasticsearchClusterConfig(ElasticsearchClusterConfig) The type and number of instances in the domain cluster.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfig) The type and number of instances in the domain cluster.

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@see #elasticsearchClusterConfig(Elasticsh
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "&lt;p&gt;The type and number of instances in the domain cluster.&lt;/p&gt;&lt;param
elasticsearchClusterConfig The type and number of instances in the domain cluster."",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : &lt;p&gt;The type and number of instances in the domain cluster.&lt;/p&gt;",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The &lt;code&gt;EBSOptions&lt;/code&gt; for the specified domain.
See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
createupdatedomains.html#es-createdomain-configure-ebs\" target="_blank\"">Configuring EBS-based Storage</a>&lt;/p&gt;\nThis is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}.\n\nWhen the { @link Consumer} completes, { @link EBSOptions.Builder#build()} is called immediately and its result is passed to { @link #ebsOptions(EBSOptions)}.\n\n@see #ebsOptions(EBSOptions)",
"deprecated" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "ebsOptions",
@return The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",

@returns <code>EBSOptions</code>

@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuring EBS-based Storage</a> for more information.

setterMethodName" : "setEbsOptions",
setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",

@returns <code>EBSOptions</code>

@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuring EBS-based Storage</a> for more information.
"}";
"defaultConsumerFluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.

@returns Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)
"deprecated" : false,
"documentation" : "IAM access policy as a JSON-formatted string.

@returns <code>EBSOptions</code>

@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuring EBS-based Storage</a> for more information.

setterMethodName" : "setEbsOptions",
setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",

@returns <code>EBSOptions</code>

@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuring EBS-based Storage</a> for more information.
"}";
"defaultConsumerFluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.

@returns Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)
"deprecated" : false,
"documentation" : "IAM access policy as a JSON-formatted string.

@returns <code>EBSOptions</code>

@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuring EBS-based Storage</a> for more information.

setterMethodName" : "setEbsOptions",
setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",

@returns <code>EBSOptions</code>

@see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuring EBS-based Storage</a> for more information.
"}";
"defaultConsumerFluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.

@returns Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)
"deprecated" : false,
accessPolicies IAM access policy as a JSON-formatted string.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>

@returns IAM access policy as a JSON-formatted string.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AccessPolicies",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccessPolicies",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>

@returns IAM access policy as a JSON-formatted string.

"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {

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"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
<code>SnapshotOptions</code></p>
This is a convenience that creates an instance of the {@link
SnapshotOptions.Builder} avoiding the need to create one manually via {@link
SnapshotOptions#builder()}. When the {@link Consumer} completes, the
<code>SnapshotOptions.Builder#build()</code> is called immediately and its result is passed to
 {@link #snapshotOptions(SnapshotOptions)}.

When the Consumer completes, it returns the result.
<p>Specifies the status of the <code>SnapshotOptions</code></p>
This is a convenience that creates an instance of the
<code>SnapshotOptions.Builder</code> avoiding the need to create one manually via
<code>SnapshotOptions#builder()</code>. When the Consumer completes, the
<code>SnapshotOptions.Builder#build()</code> is called immediately and its result is passed to
 {@link #snapshotOptions(SnapshotOptions)}.

**deprecated** : false,
"documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
Specifies the status of the <code>SnapshotOptions</code>.
Returns a reference to this object so that method calls can be chained
together.
<p>Specifies the status of the <code>SnapshotOptions</code></p>
"getterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
Returns a reference to this object so that method calls can be chained
together.
<code>SnapshotOptions</code>.
"getterModel" : {
  "returnType" : "SnapshotOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param
snapshotOptions Specifies the status of the <code>SnapshotOptions</code></p>
@method
snapshotOptions
@returns
null
@see
null
@throws
null

"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getVpcOptions",
  "beanStyleSetterMethodName" : "setVpcOptions",
  "c2jName" : "VPCOptions",
  "c2jShape" : "VPCDerivedInfo",
  "defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>

This is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo#builder()}. When the {@link Consumer} completes,
VPCDerivedInfo.Builder#build() is called immediately and its result is passed to @link #vpcOptions(VPCDerivedInfo)\n@param vpcOptions a consumer that will call methods on @link VPCDerivedInfo.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n\nsee #vpcOptions(VPCDerivedInfo)"

"deprecated" : false,
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n</p>
"param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n",
"getterModel" : {
"returnType" : "VPCDerivedInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "&lt;p&gt;The &lt;code&gt;VPCOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href='http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html' target='_blank'&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.&lt;/p&gt;

@returns The &lt;code&gt;VPCOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href='http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html' target='_blank'&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "&lt;p&gt;The &lt;code&gt;VPCOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href='http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html' target='_blank'&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.&lt;/p&gt;",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href='http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html' target='_blank'&gt;Amazon Cognito Authentication for Kibana&lt;/a&gt;.&lt;/p&gt;&lt;pre&gt;This is a convenience that creates an instance of the { @link CognitoOptions.Builder} avoiding the need to create one manually via { @link CognitoOptions#builder}().&lt;\n\nWhen the { @link Consumer} completes, { @link CognitoOptions.Builder#build}() is called immediately and its result is passed to { @link
@param cognitoOptions a consumer that will call methods on { @link CognitoOptions.Builder}.
@returns Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.";
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.

@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.

@return The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.

"getterModel" : {
"returnType" : "CognitoOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
"setterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName": "setCognitoOptions",
"setterModel": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
",
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getEncryptionAtRestOptions",
"beanStyleSetterMethodName": "setEncryptionAtRestOptions",
"c2jName": "EncryptionAtRestOptions",
"c2jShape": "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of the
<code>EncryptionAtRestOptions</code>.\nThis is a convenience that creates an instance of the { @link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via { @link EncryptionAtRestOptions#builder()}.\n\nWhen the { @link Consumer} completes, { @link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to { @link #encryptionAtRestOptions(EncryptionAtRestOptions)}\n\n@param encryptionAtRestOptions a consumer that will call methods on { @link EncryptionAtRestOptions.Builder}\n\n@return Returns a reference to this object so that
method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)

@deprecated false,
@documentation "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>

@enumType : null,
@eventHeader : false,
@eventPayload : false,
@fluentEnumGetterMethodName : null,
@fluentEnumSetterMethodName : null,
@fluentGetterMethodName : "encryptionAtRestOptions",
@fluentSetterMethodName : "encryptionAtRestOptions",

@getterDocumentation : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>
@param encryptionAtRestOptions Specifies the status of the <code>EncryptionAtRestOptions</code>.
@return Returns a reference to this object so that method calls can be chained together.

@getterModel : {
    @returnType : "EncryptionAtRestOptions",
    @documentation : null
}

@http : {
    @additionalMarshallingPath : null,
    @additionalUnmarshallingPath : null,
    @flattened : false,
    @greedy : false,
    @header : false,
    @isPayload : false,
    @isStreaming : false,
    @location : null,
    @marshallLocation : "PAYLOAD",
    @marshallLocationName : "EncryptionAtRestOptions",
    @queryString : false,
    @statusCode : false,
    @unmarshallLocationName : "EncryptionAtRestOptions",
    @uri : false
},

@idempotencyToken : false,
@isBinary : false,
@jsonValue : false,
@list : false,
@listModel : null,
@map : false,
@mapModel : null,
@marshallingType : "SDK_POJO",
@name : "EncryptionAtRestOptions",
@setterDocumentation : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>
@param encryptionAtRestOptions Specifies the status of the <code>EncryptionAtRestOptions</code>.
@return Specifies the status of the <code>EncryptionAtRestOptions</code>.

<code>EncryptionAtRestOptions</code>.

"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : <p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>.
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}. When the {@link Consumer} completes, {@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {@link #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}.

@param nodeToNodeEncryptionOptions a consumer that will call methods on {@link NodeToNodeEncryptionOptions.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>.
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.
@return Returns a reference to this object so that method calls can be chained together.
", "fluentSetterMethodName" : "nodeToNodeEncryptionOptions",}
"getterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@return Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.",

"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.",

"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
}
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the status of the \texttt{NodeToNodeEncryptionOptions}\p</p>",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
\texttt{AdvancedOptions}\p</p>
This is a convenience that creates an instance of the \{'@link
\texttt{Map<\texttt{String,String>}}\}'\ avoiding the need to create one manually via \{'@link
\texttt{Map<\texttt{String,String>}}\}'\.\n\nWhen the \{'@link \texttt{Consumer}\}' completes, \{'@link
\texttt{Map<\texttt{String,String>}}\}'\ is called immediately and its result is passed to \{'@link
\texttt{#advancedOptions(Map<\texttt{String,String>}>)}\}'\.\n\n\texttt{Consumer} a consumer that will call methods on \{'@link
\texttt{Map<\texttt{String,String>}}\}'\.\n\n\u2026\n\n@returns Returns a reference to this object so that method calls can be chained together.
@see \advancedOptions(Map<String, String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the \texttt{AdvancedOptions}\p</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the \texttt{AdvancedOptions}\p</p>
@param advancedOptions Specifies the status of the \texttt{AdvancedOptions}\p
@return Returns a reference to this
object so that method calls can be chained
together.
@see \advancedOptions(Map<String, String>)",
"getterDocumentation" : "\p
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException\p
\n\n@returns Specifies the status of the \texttt{AdvancedOptions}\p",
"getterModel" : {
  "returnType" : "java.util.Map<\texttt{String,String>}",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {

  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}. @param key a consumer that will call methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object. The new value for the Key property for this object. @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object. @return The value of the Key property for this object.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
    },
  },
}


"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object."
,"setterMethodName" : "setKey",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
  },
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
  },
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {

"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #value(String)}. Returns a reference to this object so that method calls can be chained
together.

@see #value(String)",
"deprecated" : false,
"documentation" : "",
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@param value a consumer that will call methods on
{@link String.Builder}
@return Returns a reference to this object so that method calls can be chained
together.

@see #value(String)",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@return The value of the Value property for this object.

getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "value",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "value",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>

@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"}
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
}
,"xmlNameSpaceUri" : null

},

"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>This is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}.\n\nWhen the { @link Consumer} completes, { @link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to { @link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}.
\n\n@param logPublishingOptions a consumer that will call methods on { @link Map<String,LogPublishingOption>.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@param logPublishingOptions Log publishing options for the given domain.
@return Log publishing options for the given domain.",
"getterModel" : {
  "returnType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create one manually via [ @link String.Builder#builder() ].\n\nWhen the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #keyAsString(String) ].\n\n@param key a consumer that will call methods on [ @link String.Builder ]\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "LogType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "key",
    "fluentEnumSetterMethodName" : "key",
    "fluentGetterMethodName" : "keyAsString",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThe new value for the Key property for this object.\n\n@see LogType\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogType",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, [ @link #key ] will return [ @link LogType#UNKNOWN_TO_SDK_VERSION ]. The raw value returned by the service is available from [ @link #keyAsString ]\n\n\n\n@see LogType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "key",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "key",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "Sets the value of the Key property for this object.

@see LogType",
"setterMethodName": "setKey",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "key",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "key",
    "variableType": "String",
    "documentation": ":",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null}
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the LogPublishingOption.Builder avoiding the need to create one manually via LogPublishingOption.Builder(). When the Consumer completes, LogPublishingOption.Builder.build() is called immediately and its result is passed to LogPublishingOption.value().

@see LogPublishingOption"
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object. Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object. Returns the value of the Value property for this object."
  "getterModel" : {
    "documentation" : null
  }
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
  },
  "idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.\n@\n@param value \nThe new value for the Value property for this object."

"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": "",
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
",
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
",
"marshallingType": "MAP",
"name": "LogPublishingOptions",
"setterDocumentation": "<p>Log publishing options for the given domain.</p>@\n@param logPublishingOptions Log publishing options for the given domain."

"setterMethodName": "setLogPublishingOptionsWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>"
  "variableName": "logPublishingOptions",
  "variableType": "java.util.Map<String,LogPublishingOption>"
  "documentation": null,
  "simpleType": "Map<String,LogPublishingOption>"
  "variableSetterType": "java.util.Map<String,LogPublishingOption>"
},
"simple": false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Log publishing options for the given domain.</p>",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>">
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>\n\nThis is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {@link ServiceSoftwareOptions#builder()}.\n\nWhen the {@link Consumer} completes, {@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to {@link ServiceSoftwareOptions(ServiceSoftwareOptions)} a consumer that will call methods on {@link ServiceSoftwareOptions.Builder} \n\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"deprecated" : false,
"documentation" : "The current status of the Elasticsearch domain's service software.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch domain's service software.",
"getDocumentation" : "The current status of the Elasticsearch domain's service software.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"getterModel" : {
  "returnType" : "ServiceSoftwareOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ServiceSoftwareOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ServiceSoftwareOptions",
"uri": false,

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ServiceSoftwareOptions",
"setterDocumentation": "<p>The current status of the Elasticsearch domain's service software.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.",
"setterMethodName": "setServiceSoftwareOptions",
"setterModel": {
  "variableDeclarationType": "ServiceSoftwareOptions",
  "variableName": "serviceSoftwareOptions",
  "variableType": "ServiceSoftwareOptions",
  "documentation": null,
  "simpleType": "ServiceSoftwareOptions",
  "variableSetterType": "ServiceSoftwareOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ServiceSoftwareOptions",
  "variableName": "serviceSoftwareOptions",
  "variableType": "ServiceSoftwareOptions",
  "documentation": "<p>The current status of the Elasticsearch domain's service software.</p>",
  "simpleType": "ServiceSoftwareOptions",
  "variableSetterType": "ServiceSoftwareOptions"
},
"xmlNameSpaceUri": null}
"membersAsMap": {
  "ARN": {
    "beanStyleGetterMethodName": "getArn",
    "beanStyleSetterMethodName": "setArn",
    "c2jName": "ARN",
    "c2jShape": "ARN",
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#arn(String)].

@see #arn(String)
"statusCode": false,
"unmarshallLocationName": "ARN",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"setterMethodName": "setArn",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "arn",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "arn",
"variableType": "String",
","
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"AccessPolicies": {
"beanStyleGetterMethodName": "getAccessPolicies",
"beanStyleSetterMethodName": "setAccessPolicies",
"c2jName": "AccessPolicies"
"defaultConsumerFluentSetterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #accessPolicies(String)}. param accessPolicies a consumer that will call methods on {link String.Builder} return Returns a reference to this object so that method calls can be chained together. see #accessPolicies(String)

"deprecated": false,
"documentation": "<p> IAM access policy as a JSON-formatted string.</p>
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "accessPolicies",
"fluentSetterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "accessPolicies",
"getterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AccessPolicies",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AccessPolicies",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string."
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
  "beanStyleGetterMethodName" : "getAdvancedOptions",
  "beanStyleSetterMethodName" : "setAdvancedOptions",
  "c2jName" : "AdvancedOptions",
  "c2jShape" : "AdvancedOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the {@link
Map<String,String>.Builder} avoiding the need to create one manually via {@link
Map<String,String>#builder()}. When the {@link Consumer} completes, {@link
Map<String,String>.Builder#build()} is called immediately and its result is passed to
{@link #advancedOptions(Map<String,String>)}. Returns a reference to this object so that method calls can be chained
together. See #advancedOptions(Map<String,String>).",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>"",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "advancedOptions",
  "fluentSetterDocumentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>"
"AdvancedOptions"\n@return Returns a reference to this object so that method calls can be chained together.
"getterSetterMethodName" : "advancedOptions",
"getterDocumentation" : "Specifies the status of the
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return Specifies the status of the
"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#from(String)}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #key(String)\}.\n@see \n@return Returns a reference to this object so that method calls can be chained together.\n@see \n\n```javascript
<code>AdvancedOptions</code>.
```
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.
@returns The value of the Key property for this object.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.
@returns The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String"
"variableName": "key",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
],
"simple": true,
"timestampFormat": null,
"variable": {
 "variableDeclarationType": "String",
 "variableName": "key",
 "variableType": "String",
 "documentation": "",
 "simpleType": "String",
 "variableSetterType": "String"

"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
 "beanStyleGetterMethodName": "getValue",
 "beanStyleSetterMethodName": "setValue",
 "c2jName": "value",
 "c2jShape": "String",
 "defaultValueConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link value(String)].

@deprecated @param value a consumer that will call methods on [@link String.Builder]
@returns Returns a reference to this object so that method calls can be chained together.
@see #value(String)",
 "deprecated": false,
 "documentation": "",
 "enumType": null,
 "eventHeader": false,
 "eventPayload": false,
 "fluentEnumGetterMethodName": null,
 "fluentEnumSetterMethodName": null,
 "fluentGetterMethodName": "value",
 "fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
 "fluentSetterMethodName": "value",
 "getterDocumentation": "Returns the value of the Value property for this object.
@returns The value of the Value property for this object.",
 "getterModel": {
 "returnType": "String",
 "documentation": null
erek}
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
",
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
@param advancedOptions Specifies the status of the <code>AdvancedOptions</code></p>",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
",
"xmlNameSpaceUri" : null
",
"CognitoOptions" : {
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>CognitoOptions</code></p> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\nThis is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()].\n\nWhen the {@link Consumer} completes, {@link CognitoOptions.Builder#build()} is called immediately and its result is passed to {@link #cognitoOptions(CognitoOptions)}.\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n@see #cognitoOptions(CognitoOptions)",
"documentation" : "<p>The <code>CognitoOptions</code></p> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodterName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more 
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-
auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n@return Returns a reference to this object so 
that method calls can be chained together.",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more 
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-
auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a 
target="_blank">Amazon Cognito Authentication for Kibana</a>.\n",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"setterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
</p>

@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

```javascript
setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
}

"Created" : {
  "beanStyleGetterMethodName" : "getCreated",
  "beanStyleSetterMethodName" : "setCreated",
  "c2jName" : "Created",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>\n\nThis is a convenience that creates an instance of the <code>Boolean.Builder</code> avoiding the need to create one manually via <code>Boolean#builder()</code>. When the <code>Boolean.Builder#build()</code> is called immediately and its result is passed to <code>created(Boolean)</code>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n</p>

"deprecated" : false,
"documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>\n\n"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
```

---

Open Source Used In Data Center Network Manager 11.5(1) 13914
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "created",
"getterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
@return The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Created",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Created",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Created",
"setterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

"setterMethodName" : "setCreated",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "created"}
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "created",
"variableType" : "Boolean",
"documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Deleted" : {
"beanStyleGetterMethodName" : "getDeleted",
"beanStyleSetterMethodName" : "setDeleted",
"c2jName" : "Deleted",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via{@link Boolean.Builder#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link Boolean#builder()}.

@see #deleted(Boolean)
@deprecated
"documentation" : ":<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>"
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "deleted",
"fluentSetterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>"}
"getterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

@return The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned."

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Deleted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Deleted",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "BOOLEAN",

"name" : "Deleted",

"setterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

@param deleted The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned."

"setterMethodName" : "setDeleted",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

The unique identifier for the specified Elasticsearch domain.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link } when domainId a consumer that will call methods on {@link } a consumer that will call methods on {@link String.Builder} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link } so that method calls can be chained together.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.

The unique identifier for the specified Elasticsearch domain.
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainId",
"setterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param
domainId The unique identifier for the specified Elasticsearch domain.
",
"setterMethodName" : "setDomainId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"DomainName" : {
  "beanStyleGetterMethodName" : "getDomainName",
}
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",

"defaultConsumerFluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.<br/>
@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@see #domainName(String)",

"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@see #domainName(String)",

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the
domains owned by an account within an AWS region. Domain names start with a letter or number and can contain
the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of an
Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region.
Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and -(hyphen)).",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains
owned by an account within an AWS region. Domain names start with a letter or number and can contain the
following characters: a-z (lowercase), 0-9, and - (hyphen).</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptions",
}

This is a convenience that creates an instance of the `<code>EBSOptions.Builder</code>` avoiding the need to create one manually via `<code>EBSOptions.builder()</code>`.

When the `<code>Consumer</code>` completes, `<code>EBSOptions.Builder#build()</code>` is called immediately and its result is passed to `<code>EBSOptions#ebsOptions(EBSOptions) PHI</code>` when the Consumer completes.

```java
@deprecated
@returns Returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptions)```

```
@returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptions)
```
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
@param ebsOptions The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig",
  "c2jShape" : "ElasticsearchClusterConfig"
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>

This is a convenience that creates an instance of the Axis2 ElasticsearchClusterConfig.Builder avoiding the need to create one manually via ElasticsearchClusterConfig.builder(). When the Consumer completes, ElasticsearchClusterConfig.Builder.build() is called immediately and its result is passed to ElasticsearchClusterConfig(ElasticsearchClusterConfigConfig). Return Returns a reference to this object so that method calls can be chained together.

```
@deprecated
```

"documentation" : "<p>The type and number of instances in the domain cluster.</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>

```
@get
```

"getterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>

```
@getterModel
```

"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "The type and number of instances in the domain cluster.
@param elasticsearchClusterConfig The type and number of instances in the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "The type and number of instances in the domain cluster.",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchVersion" : {
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object. This is a convenience that creates an instance of the GithubStringBuilder avoiding the need to create one manually via GithubStringBuilder\(\). When the GithubConsumer completes, GithubStringBuilder\(\) is called immediately and its result is passed to GithubStringBuilder\(\) a consumer that will call methods on GithubStringBuilder\(\).\n\n@see ElasticsearchVersion(String)\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #ElasticsearchVersion(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "getElasticsearchVersion",
  "fluentEnumSetterMethodName" : "setElasticsearchVersion",
  "fluentGetterMethodName" : "elasticsearchVersion",
  "fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.\n\n@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.\n\n@return Returns a"
reference to this object so that method calls can be chained together.

*fluentSetterMethodName* : "elasticsearchVersion",
*getterDocumentation* : "Returns the value of the ElasticsearchVersion property for this object.

@returns The value of the ElasticsearchVersion property for this object.

*getterModel* : {
  "returnType" : "String",
  "documentation" : null
},
*http* : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
*idempotencyToken* : false,
*isBinary* : false,
*jsonDataName* : false,
*list* : false,
*listModel* : null,
*map* : false,
*mapModel* : null,
*marshallingType* : "STRING",
*name* : "ElasticsearchVersion",
*setterDocumentation* : "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.

*setterMethodName* : "setElasticsearchVersion",
*setterModel* : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
*simple* : true,
*timestampFormat* : null,
*variable* : {
  "variableDeclarationType" : "String"}
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EncryptionAtRestOptions" : {
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt; Specifies the status of the
&lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;.&lt;/p&gt;&lt;/n&gt;&lt;li&gt;This is a convenience that creates an instance of the [ @link EncryptionAtRestOptions.Builder] avoiding the need to create one manually via [ @link EncryptionAtRestOptions#builder()]. When the [ @link Consumer] completes, [ @link EncryptionAtRestOptions.Builder#build()] is called immediately and its result is passed to [ @link EncryptionAtRestOptions(EncryptionAtRestOptions)].&lt;/n&gt;@param encryptionAtRestOptions a consumer that will call methods on [ @link EncryptionAtRestOptions.Builder]&lt;n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;n&gt;@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
"deprecated" : false,
"documentation" : "&lt;p&gt; Specifies the status of the &lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "&lt;p&gt; Specifies the status of the
&lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;.&lt;/p&gt;\n@.&lt;n&gt;&lt;return Returns a reference to this object so that method calls can be chained together.\n@see #encryptionAtRestOptions(EncryptionAtRestOptions)\"",
"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "&lt;p&gt; Specifies the status of the
&lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;.&lt;/p&gt;\n@&lt;n&gt;&lt;return Returns a reference to this object so that method calls can be chained together.\n@see #encryptionAtRestOptions(EncryptionAtRestOptions)\",
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false }

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterDocumentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.
@param encryptionAtRestOptions Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>

"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.<p>
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
}

"Endpoint" : {
  "beanStyleGetterMethodName" : "getEndpoint",
  "beanStyleSetterMethodName" : "setEndpoint",
  "c2jName" : "Endpoint",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to
submit index and search requests. This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`.

When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `endpoint(String)`.

```
@returns a reference to this object so that method calls can be chained together.
@see endpoint(String)
```

```
@deprecated
```

"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "endpoint",
"fluentSetterDocumentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.
"getterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Endpoint",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Endpoint",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",}
"name": "Endpoint",
"setterDocumentation": "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests.",
"setterMethodName": "setEndpoint",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
  
  "complexType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"Endpoints": {
  "beanStyleGetterMethodName": "getEndpoints",
  "beanStyleSetterMethodName": "setEndpoints",
  "c2jName": "Endpoints",
  "c2jShape": "EndpointsMap",
  "defaultConsumerFluentSetterDocumentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', vpc-endpoint-h2ds34efgFGHtGUk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
This is a convenience that creates an instance of the \{ @link Map&lt;String,String&gt;.Builder\} avoiding the need to create one manually via \{ @link Map&lt;String,String&gt;#builder()\}. \nWhen the \{ @link Consumer\} completes, \{ @link Map&lt;String,String&gt;.Builder#build()\} is called immediately and its result is passed to \{ @link #endpoints(Map&lt;String,String&gt;)\}. \n@returns a reference to this object so that method calls can be chained together.**\n@see #endpoints(Map&lt;String,String&gt;)",
  "deprecated": false,
  "documentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', vpc-endpoint-h2ds34efgFGHtGUk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
  
  "complexType": "String",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "enumType": null,
  "eventType": null,
  "fluentEnumSetterMethodName": null,
  "simpleType": "String",
  "variableSetterType": "String"
,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "endpoints",
"fluentSetterDocumentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2d3d3efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.<br/>
Getters return a reference to this object so that method calls can be chained together.
</p>

"getterDocumentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2d3d3efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.<br/>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.<br/>

getters return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2d3d3efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.
</p>

"getterModel": {
  "returnType": "java.util.Map<String,String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Endpoints",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Endpoints",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    ...
"key"
"String"
"Sets the value of the Key property for this object. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #key(String)).

@see #key(String)
@deprecated

"Sets the value of the Key property for this object. Sets the new value for the Key property for this object.

@see #key(String)

"key"
"key"
"key"
"key"

Closing brace.
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #value(String)].\n@param value a consumer that will call methods on [@link String.Builder] directly.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(String)",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can
be chained together.

"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String"}
"variableName": "value",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
,
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "Endpoints",
"setterDocumentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
"setterMethodName": "setEndpoints",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "endpoints",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "endpoints",
  "variableType": "java.util.Map<String,String>",
  "documentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"xmlNameSpaceUri": null
}
,"LogPublishingOptions": {
  "beanStyleGetterMethodName": "getLogPublishingOptionsAsStrings",
  "beanStyleSetterMethodName": "setLogPublishingOptionsWithStrings",
  "c2jName": "LogPublishingOptions",
  "c2jShape": "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>Log publishing options for the given domain.</p>

This is a convenience that creates an instance of the { @link Map<String,LogPublishingOption>.Builder} avoiding the
need to create one manually via `{@link Map<String,LogPublishingOption>#builder()}`.

When the `{@link Consumer} completes, `{@link Map<String,LogPublishingOption>.Builder#build()}` is called immediately and its result is passed to `{@link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>))`. 

`@param` `logPublishingOptions` a consumer that will call methods on `{@link Map<String,LogPublishingOption>.Builder}`.

`@return` Returns a reference to this object so that method calls can be chained together.

`@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)`
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}.

@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "LogType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "key",
    "fluentEnumSetterMethodName" : "key",
    "fluentGetterMethodName" : "keyAsString",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@see LogType

@return Returns a reference to this object so that method calls can be chained together.

@see #key(String)",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}.

@see LogType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "key",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "key",
        "name" : "key"
    }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the [LogPublishingOption.Builder] avoiding the need to create one manually via [LogPublishingOption.Builder].

When the [Consumer] completes, [LogPublishingOption.Builder#build()] is called immediately and its result is passed to [LogPublishingOption]

@see value(LogPublishingOption)

@deprecated Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns The new value for the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@returns The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns The new value for the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
}
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "LogPublishingOption",
 "variableName" : "value",
 "variableType" : "LogPublishingOption",
 "documentation" : "",
 "simpleType" : "LogPublishingOption",
 "variableSetterType" : "LogPublishingOption"
 },
 "xmlNameSpaceUri" : null
}
,"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
 "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
 "variableName" : "logPublishingOptions",
 "variableType" : "java.util.Map<String,LogPublishingOption>",
 "documentation" : null,
 "simpleType" : "Map<String,LogPublishingOption>",
 "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
 "variableName" : "logPublishingOptions",
 "variableType" : "java.util.Map<String,LogPublishingOption>",
 "documentation" : "<p>Log publishing options for the given domain.</p>",
 "simpleType" : "Map<String,LogPublishingOption>",
 "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
 },
 "xmlNameSpaceUri" : null
},
"NodeToNodeEncryptionOptions" : {
 "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
 "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",

"c2jName": "NodeToNodeEncryptionOptions",
"c2jShape": "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
This is a convenience that creates an instance of the { @link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link NodeToNodeEncryptionOptions#builder()}. When the { @link Consumer} completes, { @link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to { @link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}.<n>@param nodeToNodeEncryptionOptions a consumer that will call methods on { @link NodeToNodeEncryptionOptions.Builder}<n>@return Returns a reference to this object so that method calls can be chained together.<n>@see NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
"deprecated": false,
"documentation": "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>.
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.<n>@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "nodeToNodeEncryptionOptions",
"getterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@return Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.",
"getterModel": {
  "returnType": "NodeToNodeEncryptionOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NodeToNodeEncryptionOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NodeToNodeEncryptionOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status
of the <code>NodeToNodeEncryptionOptions</code>
.

"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
","simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
}
,"xmlNameSpaceUri" : null
},
"Processing" : {
  "beanStyleGetterMethodName" : "getProcessing",
  "beanStyleSetterMethodName" : "setProcessing",
  "c2jName" : "Processing",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration.
<code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
</code>

This is a convenience that creates an instance of the [
@link Boolean.Builder] avoiding the need to create one manually via [
@link Boolean#builder()].

When the [
@link Consumer] completes, [
@link Boolean.Builder#build()] is called immediately and its result is passed to [
@link #processing(Boolean)].

@see #processing(Boolean)

@deprecated False if the configuration is active.
<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>"
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active. `<code>return</code.`
"getterDocumentation" : "<p>The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active. `<code>return</code>` The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active.
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Processing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Processing",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active. `<code>return</code>` The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active. `<code>`
Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active.

```
"setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "<p>The status of the Elasticsearch domain configuration. `<code>True</code>` if Amazon Elasticsearch Service is processing configuration changes. `<code>False</code>` if the configuration is active.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"ServiceSoftwareOptions" : {
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software. </p>
  <p>This is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {@link ServiceSoftwareOptions#builder()].
  <p>When the {@link Consumer} completes, {@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to {@link #serviceSoftwareOptions(ServiceSoftwareOptions)}.
  <p>@return Returns a reference to this object so that method calls can be chained together. See #serviceSoftwareOptions(ServiceSoftwareOptions)
  <p>
  "deprecated" : false,
  "documentation" : "<p>The current status of the Elasticsearch domain's service software. </p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "serviceSoftwareOptions",
  "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software. </p>
  <p>@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.
  <p>@return Returns a reference to this object so that method calls can be chained together.
  "fluentSetterMethodName" : "serviceSoftwareOptions",
```

The current status of the Elasticsearch domain's service software.

Currently, "getterDocumentation" is and "setterDocumentation" is.

"documentation" : "The current status of the Elasticsearch domain's service software.",
"simpleType" : "ServiceSoftwareOptions",
"variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "Specifies the status of the <code>SnapshotOptions</code>. This is a convenience that creates an instance of the <code>SnapshotOptions.Builder</code> avoiding the need to create one manually via <code>SnapshotOptions#builder()</code>. When the <code>Consumer</code> completes, <code>snapshotOptions(SnapshotOptions)</code> is called immediately and its result is passed to <code>SnapshotOptions.Builder#build()</code>.<br>

@deprecated Returns a reference to this object so that method calls can be chained together.<br>
@see <code>snapshotOptions(SnapshotOptions)</code>.
",
"deprecated" : false,
"documentation" : "Specifies the status of the <code>SnapshotOptions</code>.
",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Specifies the status of the <code>SnapshotOptions</code>.
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Specifies the status of the <code>SnapshotOptions</code>.
",
"getterModel" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"mar

"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code>.</p>
@param
snapshotOptions Specifies the status of the <code>SnapshotOptions</code>
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code>.</p>
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"UpgradeProcessing" : {
  "beanStyleGetterMethodName" : "getUpgradeProcessing",
  "beanStyleSetterMethodName" : "setUpgradeProcessing",
  "c2jName" : "UpgradeProcessing",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
  <p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#build()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #upgradeProcessing(Boolean)}.
  @param upgradeProcessing a consumer that will call methods on {@link
Boolean.Builder

@return Returns a reference to this object so that method calls can be chained together.

@see #upgradeProcessing(Boolean)

"deprecated" : false,
"documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>

@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "upgradeProcessing",
"getterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>

@return The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "UpgradeProcessing",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "UpgradeProcessing",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "UpgradeProcessing",
"setterDocumentation": "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
@n@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.",
"setterMethodName": "setUpgradeProcessing",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "upgradeProcessing",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "upgradeProcessing",
"variableType": "Boolean",
"documentation": "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlnsNameSpaceUri": null
},
"VPCOptions": {
"beanStyleGetterMethodName": "getVpcOptions",
"beanStyleSetterMethodName": "setVpcOptions",
"c2jName": "VPCOptions",
"c2jShape": "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
This is a convenience that creates an instance of the [@link VPCDerivedInfo.Builder] avoiding the need to create one manually via [@link VPCDerivedInfo.Builder#builder()].
When the [@link Consumer] completes, [@link VPCDerivedInfo.Builder#build()] is called immediately and its result is passed to (@link #vpcOptions(VPCDerivedInfo) @n@param vpcOptions a consumer that will call methods on [@link VPCDerivedInfo.Builder] @n@return Returns a reference to this object so that method calls can be chained together.@n@see #vpcOptions(VPCDerivedInfo)"
,"deprecated": false,
"documentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html"
VPC Endpoints for Amazon Elasticsearch Service Domains

The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.

@returns Returns a reference to this object so that method calls can be chained together.

VPC Options

The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.

VPC Endpoints for Amazon Elasticsearch Service Domains

VPC Endpoints for Amazon Elasticsearch Service Domains

The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.

The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.

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The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.

The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.

The VPCOptions for the specified domain. For more information, see VPC Endpoints for Amazon Elasticsearch Service Domains.
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainId",
  "beanStyleSetterMethodName" : "setDomainId",
  "c2jName" : "DomainId",
  "c2jShape" : "DomainId",
  "defaultValueFluentSetterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>"
},
"deprecated" : false,
"documentation" : "The unique identifier for the specified Elasticsearch domain."},
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainId",
"fluentSetterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainId",
"getterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@return The unique identifier for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainId",
"setterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain.
@return The unique identifier for the specified Elasticsearch domain."

"setterMethodName" : "setDomainId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
The unique identifier for the specified Elasticsearch domain.

This is a convenience that creates an instance of the `{String.Builder}` avoiding the need to create one manually via `{String#builder()}`.

When the `{Consumer}` completes, `{String.Builder#build()}` is called immediately and its result is passed to `{domainName(String)}`.

The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

This is a convenience that creates an instance of the `{String.Builder}` avoiding the need to create one manually via `{String#builder()}`.

When the `{Consumer}` completes, `{String.Builder#build()}` is called immediately and its result is passed to `{domainName(String)}`.

The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
}
"variableType" : "String",
"documentation" : "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultConsumerFluentSetterDocumentation" : "The Amazon resource name (ARN) of an Elasticsearch domain. See <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/index.html?Using_Identifiers.html" target="_blank">Identifiers for IAM Entities</a> in <i>Using AWS Identity and Access Management</i> for more information. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}. A consumer that will call methods on { @link String.Builder} will return a reference to this object so that method calls can be chained together.
@see #arn(String)",
"deprecated" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
@return Returns a reference to this object so that method calls can be chained together.
@see #arn(String)",
",
"getterModel" : null}
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ARN",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ARN",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"setterMethodName": "setArn",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "arn",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String"
"variableName" : "arn",
"variableType" : "String",
"simpleType" : "String",
"variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
,
"beanStyleGetterMethodName" : "getCreated",
"beanStyleSetterMethodName" : "setCreated",
"c2jName" : "Created",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

This is a convenience that creates an instance of the [Boolean.Builder] avoiding the need to create one manually via [Boolean.Builder().build()].

When the [Consumer] completes, [Boolean.Builder#build()] is called immediately and its result is passed to [Boolean#created(Boolean)].

@see #created(Boolean)
@param created a consumer that will call methods on [Boolean.Builder]
@return Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

@see #created(Boolean)
@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "created",
"getterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

@see #created(Boolean)
@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete.
@return The domain creation status.

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Created",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Created",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Created",
"setterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
@param created
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
"setterMethodName" : "setCreated",
"setterModel" : {

"variableDeclarationType" : "Boolean",
"variableName" : "created",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "Boolean",
"variableName" : "created",
"variableType" : "Boolean",
"documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>
@param created
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},

"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName": "getDeleted",
"beanStyleSetterMethodName": "setDeleted",
"c2jName": "Deleted",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p><p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on the builder. When the consumer completes, {@link Boolean#builder()} is called immediately and its result is passed to the consumer that will call methods on the builder.
</p>

@see deleted(Boolean)",
  "deprecated": false,
  "documentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "deleted",
  "fluentSetterMethodName": "deleted",
  "fluentSetterDocumentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

  @see deleted(Boolean)",
  "getters": [
    "getDeleted",
    "setDeleted"
  ],
  "documentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

  @see deleted(Boolean)",
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "Deleted",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonpValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"setterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
@param deleted
The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.",
"setterMethodName" : "setDeleted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
"simple" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getEndpoint",
"beanStyleSetterMethodName" : "setEndpoint"
"c2jName" : "Endpoint",
"c2jShape" : "ServiceUrl",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link
#endpoint(String)}. @n@n@n
Retruns a reference to this object so that method calls can be chained together.@n@n@n@see #endpoint(String)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "endpoint",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "endpoint",
"getterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@return The Elasticsearch domain endpoint that you use to submit index and search requests.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Endpoint",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Endpoint",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Endpoint",
"setterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@n@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests."

"setterMethodName" : "setEndpoint",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "defaultConsumerFluentSetterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>\"vpc\",\'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com\'</code>.</p>
@n\nThis is a convenience that creates an instance of the {@link Map<String,String>.Builder} avoiding the need to create one manually via {@link Map<String,String>#builder()}. When the {@link Consumer} completes, the following <code>Map<String,String>.Builder#build()</code> is called immediately and its result is passed to the consumer that will call methods on the <code>DataRequest#endpoints(Map<String,String>)</code>.

"deprecated" : false,
"documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>\'vpc\',\'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com\'</code>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "endpoints",
"fluentSetterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.<br />
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "endpoints",
"getterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.<br />
@return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"addionalMarshallingPath" : null,
"addionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Endpoints",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Endpoints",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" :
}
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultValueSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #key(String)}. @param key a consumer that will call methods on {@link String.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #key(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object. The new value for the Key property for this object. @return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object. @return The value of the Key property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #value(String)).

@param value a consumer that will call methods on
{@link String.Builder}.
@see #value(String)"
},
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value"}
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\n@return Sets a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "Endpoints",
"setterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
"setterMethodName" : "setEndpoints",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
  "setterMethodName" : "setProcessing",
  "setterModel" : {
    "variableDeclarationType" : "java.util.Map<String,String>",
    "variableName" : "endpoints",
    "variableType" : "java.util.Map<String,String>",
    "documentation" : "<p>The status of the Elasticsearch domain configuration.</p>"}
<code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

This is a convenience that creates an instance of the <code>Boolean.Builder</code> avoiding the need to create one manually via <code>Boolean.builder()</code>.

When the <code>Consumer</code> completes, <code>Boolean.Builder.build()</code> is called immediately and its result is passed to <code>#processing(Boolean)</code>.

@see #processing(Boolean)

@deprecated
"documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active."

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@see #processing(Boolean)

@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@see #processing(Boolean)

@getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Processing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Processing",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"setterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active. 

@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getUpgradeProcessing",
"beanStyleSetterMethodName" : "setUpgradeProcessing",
"c2jName" : "UpgradeProcessing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean.Builder()}. When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #upgradeProcessing(Boolean)}. 

@param upgradeProcessing a consumer that will call methods on { @link Boolean.Builder} 

@return Returns a reference to this object so that method calls can be chained together.

@see #upgradeProcessing(Boolean)"
"deprecated" : false,
"documentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon
Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

```
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
@return The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

```

```
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeProcessing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeProcessing",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"setterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active."
```
active.</p>
@param upgradeProcessing The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.
",
"setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : "The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.
</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
",
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #elasticsearchVersion(String) }. 
@returns a reference to this object so that method calls can be chained together. 
@see #elasticsearchVersion(String)"
",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchVersion",
  "fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object. 
@returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)"}
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "Returns the value of the ElasticsearchVersion property for this object. The
value of the ElasticsearchVersion property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : false,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "ElasticsearchVersion",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ElasticsearchVersion",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object. The
new value for the ElasticsearchVersion property for this object."
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "elasticsearchVersion",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "elasticsearchVersion",}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig",
  "c2jShape" : "ElasticsearchClusterConfig",
  "defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances in the domain
cluster.</p>
This is a convenience that creates an instance of the {@link ElasticsearchClusterConfig.Builder}
avoiding the need to create one manually via {@link ElasticsearchClusterConfig#builder()}. When the {@link
Consumer} completes, {@link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is
passed to {@link ElasticsearchClusterConfig(ElasticsearchClusterConfig)}.<p>@param elasticsearchClusterConfig a
consumer that will call methods on {@link ElasticsearchClusterConfig.Builder}@return Returns a reference to
this object so that method calls can be chained together.</p>@see
#elasticsearchClusterConfig(ElasticsearchClusterConfig)",
  "deprecated" : false,
  "documentation" : "<p>The type and number of instances in the domain cluster.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchClusterConfig",
  "fluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances in the domain cluster.<p>@return Returns a reference to
this object so that method calls can be chained together.</p>.
  "fluentSetterMethodName" : "elasticsearchClusterConfig",
  "getterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@return The type and number of instances in the domain cluster."",
  "getterModel" : {
    "returnType" : "ElasticsearchClusterConfig",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchClusterConfig",

  Open Source Used In Data Center Network Manager 11.5(1) 13973
The type and number of instances in the domain cluster.

@param elasticsearchClusterConfig The type and number of instances in the domain cluster.

@return The <code>ElasticsearchClusterConfig</code> The type and number of instances in the domain cluster.

@see Configuring EBS-based Storage

When the <code>build()</code> completes, <code>ebsOptions(EBSOptions)</code> is called immediately and its result is passed to <code>@link Consumer</code> completes, <code>@link EBSOptions.Builder#build()</code> is called immediately and its result is passed to <code>@link EBSOptions</code> a consumer that will call methods on <code>@link EBSOptions</code>.
EBSOptions.Builder\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #ebsOptions(EBSOptions)"
    ,
    "deprecated" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "ebsOptions",
    "fluentSetterDocumentation" : "<p>The <code>EBSOptions</code> for the specified domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.&lt;/p>\n@return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "ebsOptions",
information.&lt;/p>\n@return The <code>EBSOptions</code> for the specified domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more
information."",
    "getterModel" : {
        "returnType" : "EBSOptions",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "EBSOptions",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "EBSOptions",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
@param ebsOptions The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>"nThe is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.
\n@param accessPolicies a consumer that will call methods on { @link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #accessPolicies(String)",
"deprecated" : false,
"documentation" : "<p> IAM access policy as a JSON-formatted string.</p>"
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.
","getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
","setterMethodName" : "setAccessPolicies",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String"
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Specifies the status of the &lt;code&gt;SnapshotOptions&lt;/code&gt;</p>&lt;p&gt;Specifies the status of the &lt;code&gt;SnapshotOptions&lt;/code&gt;",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "&lt;p&gt;Specifies the status of the &lt;code&gt;SnapshotOptions&lt;/code&gt;&lt;/p&gt;",
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions"
The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html). This is a convenience that creates an instance of the [@link VPCDerivedInfo.Builder] avoiding the need to create one manually via [@link VPCDerivedInfo#builder()]. When the [@link Consumer] completes, [@link VPCDerivedInfo.Builder#build()] is called immediately and its result is passed to [@link VPCDerivedInfo.Builder#build()].

When the [@link Consumer] completes, [@link VPCDerivedInfo.Builder#build()] is called immediately and its result is passed to [@link VPCDerivedInfo.Builder#build()].

@see #vpcOptions(VPCDerivedInfo)

Returns a reference to this object so that method calls can be chained together.

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### getVPCOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

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Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

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Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)

### vpcOptions

The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

Returns a reference to this object so that method calls can be chained together.

@see #vpcOptions(VPCDerivedInfo)
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>
</p>",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>

@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>
</p>",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",}
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\nThis is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions.Builder#build()}. When the { @link Consumer} completes, { @link CognitoOptions.Builder#build()}) is called immediately and its result is passed to { @link CognitoOptions(CognitoOptions)}.
\nReturn a reference to this object so that method calls can be chained together.\n@see #cognitoOptions(CognitoOptions)",
"deprecated" : false,
"documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\nReturn a reference to this object so that method calls can be chained together.
</p>",
"getterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\nReturn a reference to this object so that method calls can be chained together.
</p>",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD"}
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
:idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",

@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

</p>

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",

</p>

"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions"
<p>Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>

When the <code>Consumer</code> completes, <code>EncryptionAtRestOptions.Builder#build()</code> is called immediately and its result is passed to <code>#encryptionAtRestOptions(EncryptionAtRestOptions)</code>. When the <code>Consumer</code> completes, <code>EncryptionAtRestOptions.Builder#build()</code> is called immediately and its result is passed to <code>#encryptionAtRestOptions(EncryptionAtRestOptions)</code>.

@see #encryptionAtRestOptions(EncryptionAtRestOptions)
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"setterDocumentation": "<p>Specifies the status of the
<br/>&lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;.&lt;/p&gt;
@param encryptionAtRestOptions Specifies the status of the
<br/>&lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;.",
"setterMethodName": "setEncryptionAtRestOptions",
"setterModel": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": "<p>Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>
  <p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
  "<code>NodeToNodeEncryptionOptions</code></p>
  
  This is a convenience that creates an instance of the <code>{@link NodeToNodeEncryptionOptions.Builder}</code> avoiding the need to create one manually via <code>{@link NodeToNodeEncryptionOptions#builder()}</code>. When the <code>{@link NodeToNodeEncryptionOptions.Builder#build()}</code> is called immediately and its result is passed to <code>{@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}
  <code>{@link NodeToNodeEncryptionOptions.Builder#build()}</code> and returns a reference
to this object so that method calls can be chained together. See
</code>
"<code>NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)"
  "deprecated": false,
  "documentation": "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
  <p>Returns a reference</p>
"<code>NodeToNodeEncryptionOptions</code>
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "model": "EncryptionAtRestOptions",
  "getterMethodName": "getEncryptionAtRestOptions",
  "getterModel": {
    "variableDeclarationType": "EncryptionAtRestOptions",
    "variableName": "encryptionAtRestOptions",
    "variableType": "EncryptionAtRestOptions",
    "documentation": null,
    "simpleType": "EncryptionAtRestOptions",
    "variableSetterType": "EncryptionAtRestOptions"
  },
  "simple": false,
  "timestampFormat": null,
  "getter": {
    "getterName": "getEncryptionAtRestOptions",
    "getterMethod": {
      "getterType": "EncryptionAtRestOptions",
      "getterName": "encryptionAtRestOptions",
      "getterMethod": "getEncryptionAtRestOptions",
      "GETTER": "getEncryptionAtRestOptions"
    }
  }
}
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.\n@return Returns a reference to this object so that method
calls can be chained together.",
"fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@return Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.",
"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"setterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.\n@return Returns a reference to this object so that method
calls can be chained together.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
{"simpleType": "NodeToNodeEncryptionOptions", "variableSetterType": "NodeToNodeEncryptionOptions" }, "simple": false, "timestampFormat": null, "variable": { "variableDeclarationType": "NodeToNodeEncryptionOptions", "variableName": "nodeToNodeEncryptionOptions", "variableType": "NodeToNodeEncryptionOptions", "documentation": "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>", "simpleType": "NodeToNodeEncryptionOptions", "variableSetterType": "NodeToNodeEncryptionOptions" }, "xmlNameSpaceUri": null }, { "beanStyleGetterMethodName": "getAdvancedOptions", "beanStyleSetterMethodName": "setAdvancedOptions", "c2jName": "AdvancedOptions", "c2jShape": "AdvancedOptions", "defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of the <code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link Map<String,String>#builder()}.\n\nWhen the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #advancedOptions(Map<String,String>)}.\n\n@param advancedOptions a consumer that will call methods on { @link Map<String,String>.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #advancedOptions(Map<String,String>)", "deprecated": false, "documentation": "<p>Specifies the status of the <code>AdvancedOptions</code></p>", "enumType": null, "eventHeader": false, "eventPayload": false, "fluentEnumGetterMethodName": null, "fluentEnumSetterMethodName": null, "fluentGetterMethodName": "advancedOptions", "fluentSetterDocumentation": "<p>Specifies the status of the <code>AdvancedOptions</code></p>
@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>
@return Returns a reference to this object so that method calls can be chained together.", "fluentSetterMethodName": "advancedOptions", "getterDocumentation": "<p>Specifies the status of the <code>AdvancedOptions</code></p>
\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>
\n@return Returns a reference to this object so that method calls can be chained together.", "getterModel": { "returnType": "java.util.Map<String,String>\n", "documentation": null }, "http": { "additionalMarshallingPath": null, "java.util.Map<String,String>\n"}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{ @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}. param key a consumer that will call methods on
{ @link String.Builder} @return Returns a reference to this object so that method calls can be chained
together.@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.
The new value for the Key property for this object.@return Returns a reference to this object so that method calls can be
dermined together.",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.@return The value of the
Key property for this object.

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "key",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "key",
   "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

setterMethodName" : "setKey",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : ""
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}.
\n@see #value(String),\n@param value a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@deprecated false,\n"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThe new value for the Value property for this object.\n\n@see #value(String),\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\nThe value of the Value property for this object.\n\n@return The value of the Value property for this object.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName": "value",
"uri": false
],
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": 
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "AdvancedOptions",
"setterDocumentation": "<p>Specifies the status of the <code>AdvancedOptions</code></p>

@Param advancedOptions Specifies the status of the <code>AdvancedOptions</code>",
"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "java.util.Map<String,String>"
}
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStringStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
This is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}. When the {@link Consumer} completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link Map<String,LogPublishingOption>.Builder#logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}.

When the {@link Consumer} completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link Map<String,LogPublishingOption>.Builder#logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}.

@param logPublishingOptions a consumer that will call methods on {@link Map<String,LogPublishingOption>.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)
"
"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>"
},
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false,

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String.Builder#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #keyAsString(String) \}. @param key a consumer that will call methods on \{ @link String.Builder \} @return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.
The new value for the Key property for this object.
@see LogType @return Returns a reference to this object so that method calls can be chained together.
@see LogType",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.\nIf the service returns
an enum value that is not available in the current SDK version, [@link #key] will return [@link LogType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #keyAsString].

```

@link LogType

```

@return The value of the Key property for this object.

@see LogType

```

getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "Key",

"setterDocumentation" : "Sets the value of the Key property for this object.
@link LogType",

"setterMethodName" : "setKey",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"valueLocationName" : "value",
"valueModel" : {
 "beanStyleGetterMethodName" : "getValue",
 "beanStyleSetterMethodName" : "setValue",
 "c2jName" : "value",
 "c2jShape" : "LogPublishingOption",
 "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the { @link LogPublishingOption.Builder} avoiding the need to create one manually via { @link LogPublishingOption#builder()}. When the { @link Consumer} completes, { @link LogPublishingOption.Builder#build()} is called immediately and its result is passed to { @link #value(LogPublishingOption)}. Returns a reference to this object so that method calls can be chained together. @see #value(LogPublishingOption)",
 "deprecated" : false,
 "documentation" : "",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "value",
 "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object. Returns a reference to this object so that method calls can be chained together.",
 "fluentSetterMethodName" : "value",
 "getterDocumentation" : "Returns the value of the Value property for this object.",
 "getterModel" : {
 "returnType" : "LogPublishingOption",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",}
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Log publishing options for the given domain.</p><p>@param logPublishingOptions Log publishing options for the given domain.</p>
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : "<p>Log publishing options for the given domain.</p>",
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultValueSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.
This is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {@link ServiceSoftwareOptions#builder()}. When the {@link Consumer} completes, the builder is called immediately and its result is passed to the method a consumer that will call methods on this object so that method calls can be chained together.
@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.
When the Consumer completes, the method is called immediately and its result is passed to a consumer that will call methods on this object so that method calls can be chained together.
@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"getterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
"getterModel" : {
"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"setterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
@param
serviceSoftwareOptions The current status of the Elasticsearch domain's service software.",
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
] },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainId", "DomainName", "ARN", "ElasticsearchClusterConfig" ],
"shapeName" : "ElasticsearchDomainStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "elasticsearchDomainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"wrapper" : false
},
"ElasticsearchVersionStatus" : {
  "c2jName" : "ElasticsearchVersionStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, {@link synthesizers.java...
String.Builder#build()} is called immediately and its result is passed to {link #options(String)}@param options a consumer that will call methods on {link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #options(String)”,
"deprecated" : false,
"documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>”,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>@return Specifies the Elasticsearch version for the specified Elasticsearch domain.@return Specifies the Elasticsearch version for the specified Elasticsearch domain.",
"getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Options",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Options",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain.",
"setterModel" : null,
"setterOntology" : null,
"setterOntologyName" : null,
"toString" : null,
"version" : "1.0.0",
"versionName" : "1.0.0"}
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getStatus",
  "beanStyleSetterMethodName": "setStatus",
  "c2jName": "Status",
  "c2jShape": "OptionStatus",
  "defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>\n\nThis is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}.\n\nWhen the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link status(OptionStatus)}.\n\n@param status a consumer that will call methods on {@link OptionStatus.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #status(OptionStatus)"
,  
  "deprecated": false,
  "documentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "status",
  "fluentSetterDocumentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>\n\nSpecifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n\n@return Returns a reference to this object so that method calls can be chained together.\n  "fluentSetterMethodName": "status",
  "getterDocumentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>\n\nSpecifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n\n@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n\n"
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Status",

"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.",

"setterMethodName" : "setStatus",

"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
"}
domain.<p>
</p>
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
],
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p> This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link String#builder()}.

When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link String#builder()}. @param options a consumer that will call methods on {link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together. @see #options(String)
",
"deprecated" : false,
"documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain. @return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain."
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"setterDocumentation" : 
"<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain."
,"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "options",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "options",
"variableType" : "String",
"documentation" : 
"<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : 
"<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus}.

@see #status(OptionStatus)
@returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.

@returns {string} Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.

@returns {string} Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.

@returns {string} Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
",
"status" : {
  "allowedValues" : [null],
  "defaultValue" : null,
  "isList" : false,
  "isMap" : false,
  "isObject" : false,
  "isScalar" : false,
  "isUnion" : false,
  "name" : "Status",
  "type" : "String"}
"setterMethodName" : "setStatus",
"setterModel" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : null,
   "simpleType" : "OptionStatus",
   "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : <p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
   "beanStyleGetterMethodName" : "getOptions",
   "beanStyleSetterMethodName" : "setOptions",
   "c2jName" : "Options",
   "c2jShape" : "ElasticsearchVersionString",
   "defaultConsumerFluentSetterDocumentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
   "deprecated" : false,
   "documentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "options",
   "fluentSetterDocumentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
   "fluentSetterMethodName" : "options",
   "getterDocumentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
   "deprecated" : false,
   "documentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "options",
   "fluentSetterDocumentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
   "fluentSetterMethodName" : "options",
   "getterDocumentation" : <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
} ]
}
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Options",
"setterDocumentation": "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain. ",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
"variableSetterType" : "String",
"xmlnsNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link status(OptionStatus)}.<p>
@param status a consumer that will call methods on { @link OptionStatus.Builder}<p>
@return Returns a reference to this object so that method calls can be chained together.<p>
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.<p>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. ",
"setterMethodName" : "setStatus",
"setterModel" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : null,
   "simpleType" : "OptionStatus",
   "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "ElasticsearchVersionStatus",
"simpleMethod" : false,
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "ElasticsearchVersionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"}
"variableName": "elasticsearchVersionStatus",
"variableType": "ElasticsearchVersionStatus",
"documentation": null,
"simpleType": "ElasticsearchVersionStatus",
"variableSetterType": "ElasticsearchVersionStatus"
},
"wrapper": false
},
"EncryptionAtRestOptions": {
"c2jName": "EncryptionAtRestOptions",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "<p>Specifies the Encryption At Rest Options.</p>",
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"marshallers": null,
"members": [
"beanStyleGetterMethodName": "setEnabled",
"beanStyleSetterMethodName": "setEnabled",
"c2jName": "Enabled",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Encryption At Rest.</p>
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}.

When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #enabled(Boolean)}. { @param enabled a consumer that will call methods on { @link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #enabled(Boolean)"
,"deprecated": false,
"documentation": "<p>Specifies the option to enable Encryption At Rest.</p>"
Specifies the option to enable Encryption At Rest.\n\n@return Returns a reference to this object so that method calls can be chained together.

Specifies the option to enable Encryption At Rest.\n\n@return Specifies the option to enable Encryption At Rest.

@returns a reference to this object so that method calls can be chained together.

Specifies the option to enable Encryption At Rest.\n\n@return Specifies the option to enable Encryption At Rest.

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "Specifies the option to enable Encryption At Rest.\n@param enabled
Specifies the option to enable Encryption At Rest.\n@return Specifies the option to enable Encryption At Rest.

@returns a reference to this object so that method calls can be chained together.

Specifies the option to enable Encryption At Rest.\n
}"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getKmsKeyId",
"beanStyleSetterMethodName" : "setKmsKeyId",
"c2jName" : "KmsKeyId",
"c2jShape" : "KmsKeyId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via \{@link String.Builder\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link KmsKeyId(String)\}. param kmsKeyId a consumer that will call methods on \{@link String.Builder\} return Returns a reference to this object so that method calls can be chained together. see #KmsKeyId(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "kmsKeyId",
"fluentSetterDocumentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>

@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options. return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "kmsKeyId",
"getterDocumentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>

return Specifies the KMS Key ID for Encryption At Rest options.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "KmsKeyId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "KmsKeyId",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"newValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "KmsKeyId",
"setterDocumentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName": "setKmsKeyId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
",
"membersAsMap": {
"Enabled": {
  "beanStyleGetterMethodName": "getEnabled",
  "beanStyleSetterMethodName": "setEnabled",
  "c2jName": "Enabled",
  "c2jShape": "Boolean",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Encryption At
Rest.</p>\nThis is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to
create one manually via { @link Boolean#builder()}.\n\nWhen the { @link Consumer} completes, { @link
Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.
@returns a reference to this object so that method calls can be chained together.

### enabled

@code
public void enabled(boolean enabled)
@see #enabled(Boolean)
@returns

Specifies the option to enable Encryption At Rest.

### enabled

Specifies the option to enable Encryption At Rest.

@return

Specifies the option to enable Encryption At Rest.

### enabled

Specifies the option to enable Encryption At Rest.
"setterMethodName" : "setEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
    "variableType" : "Boolean",
    "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
    "beanStyleGetterMethodName" : "getKmsKeyId",
    "beanStyleSetterMethodName" : "setKmsKeyId",
    "c2jName" : "KmsKeyId",
    "c2jShape" : "KmsKeyId",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #kmsKeyId(String)}.\n\n@see #kmsKeyId(String)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "kmsKeyId",
    "fluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n\nSpecify the KMS Key ID for Encryption At Rest options.\n\n\n@see #kmsKeyId(String)"
   ",
    "fluentSetterMethodName" : "kmsKeyId",
    "getterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n\nSpecify the KMS Key ID for Encryption At Rest options.\n\n\n@see #kmsKeyId(String)"
   ",
    "getterModel" : {
        "returnType" : "String",
    }
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "KmsKeyId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "KmsKeyId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "KmsKeyId",
"setterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param
kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
 "beanStyleGetterMethodName" : "getEnabled",
 "beanStyleSetterMethodName" : "setEnabled",
 "c2jName" : "Enabled",
 "c2jShape" : "Boolean",
 "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.

When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.

@see #enabled(Boolean)",
 "deprecated" : false,
 "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "enabled",
 "fluentSetterMethodName" : "enabled",
 "fluentSetterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
Specifies the option to enable Encryption At Rest.

@see #enabled(Boolean)",
 "getterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
Specifies the option to enable Encryption At Rest.

@see #enabled(Boolean)",
 "getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Enabled",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Enabled",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@param enabled
Specifies the option to enable Encryption At Rest.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getKmsKeyId",
"beanStyleSetterMethodName" : "setKmsKeyId",
"c2jName" : "KmsKeyId",
"c2jShape" : "KmsKeyId",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #kmsKeyId(String)}.
@param kmsKeyId a consumer that will call methods on { @link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #kmsKeyId(String)",
"deprecated" : false,
"documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"flattenEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "kmsKeyId",
"fluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "kmsKeyId",
"getterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n@return Specifies the KMS Key ID for Encryption At Rest options."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "KmsKeyId",
"setterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.\n@return Specifies the KMS Key ID for Encryption At Rest options."
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "kmsKeyId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
],
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "EncryptionAtRestOptions",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"wrapper": false
},
"EncryptionAtRestOptionsStatus": {
  "c2jName": "EncryptionAtRestOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p> Status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshallable" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"
},
  "documentation" : null,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"
},
  "getterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
  "getterModel" : {
    "returnType" : "EncryptionAtRestOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
  },
  "httpStatusCode" : null,
  "isPayload" : true,
  "isStreaming" : false,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "EncryptionAtRestOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"
},
  "deprecated" : false,
  "documentation" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
  "getterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
  "getterModel" : {
    "returnType" : "EncryptionAtRestOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
  },
  "httpStatusCode" : null,
  "isPayload" : true,
  "isStreaming" : false,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "EncryptionAtRestOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"
},
  "deprecated" : false,
<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.

@see #status(OptionStatus)
"documentation" : 
"<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>
",  
"enumType" : null,  
"eventHeader" : false,  
"eventPayload" : false,  
"fluentEnumGetterMethodName" : null,  
"fluentEnumSetterMethodName" : null,  
"fluentGetterMethodName" : "status",  
"fluentSetterDocumentation" : 
"<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.
",  
"fluentSetterMethodName" : "status",  
"getterDocumentation" : 
"<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

@return Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.
",  
"getterModel" : 
{  
"returnType" : "OptionStatus",  
"documentation" : null  
},  
"http" : 
{  
"additionalMarshallingPath" : null,  
"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocation" : "PAYLOAD",  
"marshallLocationName" : "Status",  
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "Status",  
"uri" : false  
},  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"marshallingType" : "SDK_POJO",  
"name" : "Status",  
"setterDocumentation" : 
"<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

",  
"setterMethodName" : "setStatus",  
"setterMethodDocumentation" : 
"<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>
,"
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "EncryptionAtRestOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}.\nWhen the {@link Consumer} completes, {@link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to {@link EncryptionAtRestOptions.Builder#options(EncryptionAtRestOptions)}\n@see #options(EncryptionAtRestOptions)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>\n<enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>\n@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n@deprecated False",
    "fluentSetterMethodName" : "options",
    "getterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together."}
<p>@return Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>,

"getterModel" : {
  "returnType" : "EncryptionAtRestOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Options",

"setterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

@returns Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"getterModel" : {
  "returnType" : "EncryptionAtRestOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Options",

"setterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"getterModel" : {
  "returnType" : "EncryptionAtRestOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Options",

"setterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"getterModel" : {
  "returnType" : "EncryptionAtRestOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Options",

"setterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},

"simple" : false,

"timestampFormat" : null,
domain.

"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultValueConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder().}.
When the { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus).}.
@param status a consumer that will call methods on { @link OptionStatus.Builder}. Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"getterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD"
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.
</p>

@link

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

</p>

"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.

This is a convenience that creates an instance of the
</p>

@link

EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}. When the {@link Consumer} completes, {@link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to {@link EncryptionAtRestOptions.Builder}.

When the {@link Consumer} completes, {@link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to {@link EncryptionAtRestOptions.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see #options(EncryptionAtRestOptions)

"deprecated" : false,
"documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>",
"param options" Specifies the Encryption At Rest options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

@return Specifies the Encryption At Rest options for the specified Elasticsearch domain.

"getterModel" : {
  "returnType" : "EncryptionAtRestOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO"
"name" : "Options",
"setterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.

@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.

"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)
  
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@return Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain."

"getterModel" : {
   "returnType" : "OptionStatus",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : false,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "Status",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Status",
   "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Status",

"setterDocumentation" : "<p>Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain."

"setterMethodName" : "setStatus",

"setterModel" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : null,
   "simpleType" : "OptionStatus",
   "variableSetterType" : "OptionStatus"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
   "variableDeclarationType" : "OptionStatus"
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch
domain. </p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
] },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "EncryptionAtRestOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
 },
"variable" : {
 "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
 "variableName" : "encryptionAtRestOptionsStatus",
 "variableType" : "EncryptionAtRestOptionsStatus",
 "documentation" : null,
 "simpleType" : "EncryptionAtRestOptionsStatus",
 "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"wrapper" : false
],
"GetCompatibleElasticsearchVersionsRequest" : {
 "c2jName" : "GetCompatibleElasticsearchVersionsRequest",
 "customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
 },
 "deprecated" : false,
 "documentation" : "<p> Container for request parameters to <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",
 "enums" : null,
 "errorCode" : null,
 "event" : false,
 "eventStream" : false,
 "explicitEventPayloadMember" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@\n
The new value for the DomainName property for this object."

setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"xmlnsNameSpaceUri" : null }
],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {\link
String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.

@param domainName a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)"

domainName The new value for the DomainName property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)


"setterMethodName" : "setDomainName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "domainName",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "domainName",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
   "beanStyleGetterMethodName" : "getDomainName",
   "beanStyleSetterMethodName" : "setDomainName",
   "c2jName" : "DomainName",
   "c2jShape" : "DomainName",
   "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}\n\n@see #domainName(String)",
   "deprecated" : false,
   "documentation" : "",
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "domainName",
   "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@see #domainName(String)",
   "fluentSetterMethodName" : "domainName",
   "getterDocumentation" : "Returns the value of the DomainName property for this object.\n\n@see #domainName(String)",
   "getterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "domainName",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
   },
   "simple" : true,
   "timestampFormat" : null,
   "variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "domainName",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
   },
   "xmlNameSpaceUri" : null
} ]
}
"returnType" : "String",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : "querystring",
 "marshallLocation" : "QUERY_PARAM",
 "marshallLocationName" : "domainName",
 "queryString" : true,
 "statusCode" : false,
 "unmarshallLocationName" : "domainName",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n@\n@param domainName The new value for the DomainName property for this object."
"setterMethodName" : "setDomainName",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "domainName",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
 }
,"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "domainName",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
Container for response returned by `GetCompatibleElasticsearchVersions` operation. 

A map of compatible Elasticsearch versions returned as
part of the `<code>`<a>GetCompatibleElasticsearchVersions</a>`</code> operation. This is a convenience that creates an instance of the `{@link List<CompatibleVersionsMap>.Builder}` avoiding the need to create one manually via `{@link List<CompatibleVersionsMap>#builder()}`. When the `{@link Consumer}` completes, `{@link List<CompatibleElasticsearchVersions#builder()}` is called immediately and its result is passed to `{@link #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}`.

@param compatibleElasticsearchVersions a consumer that will call methods on `{@link List<CompatibleVersionsMap>.Builder}`

@return Returns a reference to this object so that method calls can be chained together.

`compatibleElasticsearchVersions(List<CompatibleVersionsMap>)`",

"deprecated" : false,
"documentation" : "<p> A map of compatible Elasticsearch versions returned as part of the `<code>`<a>GetCompatibleElasticsearchVersions</a>`</code> operation. </p>",

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "compatibleElasticsearchVersions",
"fluentSetterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the `<code>`<a>GetCompatibleElasticsearchVersions</a>`</code> operation. </p>",

"getCompatibleElasticsearchVersions" : <code>
A map of compatible Elasticsearch versions returned as part of the `<code>`
<code>`<a>GetCompatibleElasticsearchVersions</a>`</code> operation. </p>

@returns Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the `<code>`<a>GetCompatibleElasticsearchVersions</a>`</code> operation. </p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@returns A map of compatible Elasticsearch versions returned as part of the `<code>`<a>GetCompatibleElasticsearchVersions</a>`</code> operation.

"getterModel" : {
  "returnType" : "java.util.List<CompatibleVersionsMap>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CompatibleElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CompatibleElasticsearchVersions",
  "uri" : false
},


"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "CompatibleVersionsMap",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link CompatibleVersionsMap.Builder} avoiding the need to create one manually via {@link CompatibleVersionsMap.Builder#builder()}. When the {@link Consumer} completes, {@link CompatibleVersionsMap.Builder#build()} is called immediately and its result is passed to {@link #member(CompatibleVersionsMap)}. @param member a consumer that will call methods on {@link CompatibleVersionsMap.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #member(CompatibleVersionsMap)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object. @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object. @return The value of the Member property for this object.",
    "getterModel" : {
      "returnType" : "CompatibleVersionsMap",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : "",
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "CompatibleVersionsMap",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "CompatibleVersionsMap",
"templateImplType" : "java.util.ArrayList<CompatibleVersionsMap>",
"templateType" : "java.util.List<CompatibleVersionsMap>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "CompatibleElasticsearchVersions",
"setterDocumentation" : "A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. \n@param compatibleElasticsearchVersions
A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation.",
"setterMethodName" : "setCompatibleElasticsearchVersions",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<CompatibleVersionsMap>",
    "variableName" : "compatibleElasticsearchVersions",
    "variableType" : "java.util.List<CompatibleVersionsMap>",
    "documentation" : null,
    "simpleType" : "List<CompatibleVersionsMap>",
    "variableSetterType" : "java.util.Collection<CompatibleVersionsMap>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<Compatible VersionsMap>",
    "variableName" : "compatibleElasticsearchVersions",
    "variableType" : "java.util.List<CompatibleVersionsMap>",
    "documentation" : "A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. \n@param compatibleElasticsearchVersions
A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. ",
"simpleType" : "List<CompatibleVersionsMap>",
"variableSetterType" : "java.util.Collection<CompatibleVersionsMap>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
    "CompatibleElasticsearchVersions" : {
        "beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
        "beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
        "c2jName" : "CompatibleElasticsearchVersions",
        "c2jShape" : "CompatibleElasticsearchVersionsList",
        "defaultConsumerFluentSetterDocumentation" : "A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. \n@param compatibleElasticsearchVersions
A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. ",
"deprecated" : false,
"documentation" : "A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. \n@param compatibleElasticsearchVersions
A map of compatible Elasticsearch versions returned as part of the <code>\nGetCompatibleElasticsearchVersions</code> operation. ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentSetterMethodName" : "compatibleElasticsearchVersions",
"fluentSetterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
@param compatibleElasticsearchVersions A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation.
@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation.
"getterModel" : {
  "returnType" : "java.util.List<CompatibleVersionsMap>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CompatibleElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CompatibleElasticsearchVersions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "CompatibleVersionsMap",
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "CompatibleVersionsMap",
    }}}}
Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link CompatibleVersionsMap.Builder] avoiding the need to create one manually via [link CompatibleVersionsMap#builder()]. When the [link Consumer] completes, [link CompatibleVersionsMap.Builder#build()] is called immediately and its result is passed to [link CompatibleVersionsMap.Builder#member(CompatibleVersionsMap)].

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(CompatibleVersionsMap)

The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@getterDocumentation: "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.".

@getterModel: {
   "returnType": "CompatibleVersionsMap",
   "documentation": null
}

@http: {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "member",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "member",
   "uri": false
},

@idempotencyToken: false,

@isBinary: false,

@jsonValue: false,

@list: false,

@listModel: null,

@map: false,

@mapModel: null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object. The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "CompatibleVersionsMap",
  "variableName": "member",
  "variableType": "CompatibleVersionsMap",
  "documentation": null,
  "simpleType": "CompatibleVersionsMap",
  "variableSetterType": "CompatibleVersionsMap"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CompatibleVersionsMap",
  "variableName": "member",
  "variableType": "CompatibleVersionsMap",
  "documentation": null,
  "simpleType": "CompatibleVersionsMap",
  "variableSetterType": "CompatibleVersionsMap"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "CompatibleVersionsMap",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "CompatibleVersionsMap",
"templateImplType": "java.util.ArrayList<CompatibleVersionsMap>",
"templateType": "java.util.List<CompatibleVersionsMap>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "CompatibleElasticsearchVersions",
"setterDocumentation": "A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation.

\n@param compatibleElasticsearchVersions A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation.

"setterMethodName": "setCompatibleElasticsearchVersions",
"setterModel": {
  "variableDeclarationType": "java.util.List<CompatibleVersionsMap>"
},
"variableName": "compatibleElasticsearchVersions",
"variableType": "java.util.List<CompatibleVersionsMap>"
A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation. This is a convenience that creates an instance of the <code>List<CompatibleVersionsMap>.Builder</code> avoiding the need to create one manually via <code>List<CompatibleVersionsMap>#builder()</code>. When the <code>Consumer</code> completes, <code>List<CompatibleVersionsMap>.Builder#build()</code> is called immediately and its result is passed to <code>#compatibleElasticsearchVersions(List<CompatibleVersionsMap>)</code>. When this method is called, the <code>compatibleElasticsearchVersions</code> parameter is used to create a new instance of the <code>List<CompatibleVersionsMap>.Builder</code> and its result is passed to <code>#compatibleElasticsearchVersions(List<CompatibleVersionsMap>)</code>. Returns a reference to this object so that method calls can be chained together.

```java
compatibleElasticsearchVersions(List<CompatibleVersionsMap>)
```

This method is deprecated. The equivalent method is

```java
compatibleElasticsearchVersions
```

A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation.

```java
GetCompatibleElasticsearchVersions
```

A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation.

```java
GetCompatibleElasticsearchVersions
```
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return A map of compatible Elasticsearch versions returned as part of the \code{GetCompatibleElasticsearchVersions()} operation.

--

This is a convenience that creates an instance of the \link{CompatibleVersionsMap.Builder} avoiding the need to create one manually via \link{CompatibleVersionsMap#builder()}. When the \link{Consumer} completes, \link{CompatibleVersionsMap.Builder#build()} is called immediately and its result is passed to \link{CompatibleVersionsMap.Builder#member(CompatibleVersionsMap)}.

@param member a consumer that will call methods on \link{CompatibleVersionsMap},

@return Returns a reference to this object so that method calls can be chained together.

\see \link{member(CompatibleVersionsMap)}
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodDoc" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterMethodDoc" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "CompatibleVersionsMap",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterMethodDoc" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
A map of compatible Elasticsearch versions returned as part of the `<code><a>GetCompatibleElasticsearchVersions</a></code>` operation.

**setterDocumentation**: 

<p> A map of compatible Elasticsearch versions returned as part of the `<code><a>GetCompatibleElasticsearchVersions</a></code>` operation. </p>

```java
@Param compatibleElasticsearchVersions
```

A map of compatible Elasticsearch versions returned as part of the `<code><a>GetCompatibleElasticsearchVersions</a></code>` operation.

**setterMethodName**: "setCompatibleElasticsearchVersions",

**setterModel**:

```java
List<CompatibleVersionsMap>
```

**simple**: false,

**timestampFormat**: null,

**variable**:

```java
List<CompatibleVersionsMap>
```

**documentation**: 

<p> A map of compatible Elasticsearch versions returned as part of the `<code><a>GetCompatibleElasticsearchVersions</a></code>` operation. </p>
"simpleType": "List<CompatibleVersionsMap>",
"variableSetterType": "java.util.Collection<CompatibleVersionsMap>",
"xmlNameSpaceUri": null,
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "GetCompatibleElasticsearchVersionsResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "GetCompatibleElasticsearchVersionsResponse",
  "variableName": "getCompatibleElasticsearchVersionsResponse",
  "variableType": "GetCompatibleElasticsearchVersionsResponse",
  "documentation": null,
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  "variableSetterType": "GetCompatibleElasticsearchVersionsResponse"
},
"wrapper": false,
"GetUpgradeHistoryRequest": {
  "c2jName": "GetUpgradeHistoryRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "Container for request parameters to <code><a>GetUpgradeHistory</a></code> operation. \</p>"},
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": {
  "action": "GetUpgradeHistory",}
"locationName" : null,
"requestUri" : "/2015-01-01/es/upgradeDomain/{DomainName}/history",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
]

"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}. param
  domainName a consumer that will call methods on { @link String.Builder} return
  Returns a reference to this object so that method calls can be chained together. see
  #domainName(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. param
domainName The new value for the DomainName property for this object.
  return
  Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "Returns the value of the DomainName property for this object.
return
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  "getterModel" : {
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    "documentation" : null
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    "isStreaming" : false,
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    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "statusType" : false,
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"unmarshallLocationName" : "DomainName",
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"isBinary" : false,
"jsonValue" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
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  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.\n\nThis is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link #maxResults(Integer)\}.\n\n@param maxResults a consumer that will call methods on \{@link Integer.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)"
,  "deprecated" : false,
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  "enumType" : null,  
"name" : "MaxResults",
"setterDocumentation" : "Sets the value of the MaxResults property for this object.\n\n@param maxResults a consumer that will call methods on \{@link Integer.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)"
,  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
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"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "Sets the value of the MaxResults property for this object.\n\n@param maxResults The new value for the MaxResults property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "Returns the value of the MaxResults property for this object.\n@return The value of the MaxResults property for this object.",
"getterModel": {
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  "documentation": null
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "maxResults",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
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"idempotencyToken": false,
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"list": false,
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"name": "MaxResults",
"setterDocumentation": "Sets the value of the MaxResults property for this object.\n\n@param maxResults The new value for the MaxResults property for this object."
"setterMethodName": "setMaxResults",
"setterModel": {
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  "variableType": "Integer",
  "documentation": null,
"simpleType": "Integer",
"variableSetterType": "Integer"
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"variableDeclarationType": "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": "",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the [link String Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #nextToken(String)].

@returns Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)
",
"deprecated": false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "Sets the value of the NextToken property for this object. The new value for the NextToken property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)
",
"getterDocumentation": "Returns the value of the NextToken property for this object."

@returns The value of the NextToken property for this object.

@see #nextToken(String)
",
"getterModel": {
"returnType": "String",
"documentation": null
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"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.
@param nextToken The new value for the NextToken property for this object."
,"setterMethodName" : "setNextToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
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"timestampFormat" : null,
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 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}].
"membersAsMap" : {
 "DomainName" : {
 "beanStyleGetterMethodName" : "getDomainName",
 "beanStyleSetterMethodName" : "setDomainName",
 "c2jName" : "DomainName",
}
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link domainName(String)].

@param domainName a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see domainName(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.
", "fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object.
", "getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "Sets the value of the DomainName property for this object.

@retval
domainName The new value for the DomainName property for this object.,
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"MaxResults": {
  "beanStyleGetterMethodName": "getMaxResults",
  "beanStyleSetterMethodName": "setMaxResults",
  "c2jName": "MaxResults",
  "c2jShape": "MaxResults",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the MaxResults property for this object.

This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create
one manually via {@link Integer#builder()}. When the {@link Consumer} completes, the
builder is called immediately and its result is passed to this consumer that will call methods on
{@link Integer.Builder}.

@retval
maxResults a reference to this object

@see #maxResults(Integer)",
"deprecated": false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "Sets the value of the MaxResults property for this object.

@retval
maxResults The new value for the MaxResults property for this object.

@see #maxResults(Integer)"
"fluentSetterMethodName": "maxResults";}
"getterDocumentation" : "Returns the value of the MaxResults property for this object."

getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallILocation" : "QUERY_PARAM",
  "marshallILocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallILocationName" : "maxResults",
  "uri" : false
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"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "INTEGER",

"name" : "MaxResults",

"setterDocumentation" : "Sets the value of the MaxResults property for this object."

setterMethodName" : "setMaxResults",

setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
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  "variableName" : "maxResults",
  "variableType" : "Integer",

The new value for the MaxResults property for this object.

setterMethodName" : "setMaxResults",

setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,
This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #nextToken(String)].

@param nextToken a consumer that will call methods on [link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)

@deprecated

This convenience method is marked deprecated as it is not [link deprecation.BufferedString] created and it is not the intention of this operation to allow for a user to perform concurrent operations with the underlying service.

@since 1.0

Sets the value of the NextToken property for this object.

@see #nextToken(String)

@since 1.0

The new value for the NextToken property for this object.

@since 1.0

The value of the NextToken property for this object.

@since 1.0

"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
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"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}.\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #domainName(String) }.\n\n@param domainName a consumer that will call methods on \n{@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
"deprecated" : false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterMethodName": "domainName",
"getterDocumentation": "Sets the value of the DomainName property for this object.\n@parameter domainName The new value for the DomainName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"getterMethodName": "setDomainName",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
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"header": false,
"isPayload": false,
"isStreaming": false,
"location": "uri",
"marshallLocation": "PATH",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
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"uri": true
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "Sets the value of the DomainName property for this object.\n@parameter domainName The new value for the DomainName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
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"setterModel": {
"variableDeclarationType": "String",
"variableName": "domainName"}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.\n\nThis is a convenience that creates an instance of the [ @link Integer.Builder] avoiding the need to create one manually via \{ @link Integer#builder()\}. When the \{ @link Consumer\} completes, \{ @link Integer.Builder#build()\} is called immediately and its result is passed to \{ @link #maxResults(Integer)\}\n@\n@param maxResults a consumer that will call methods on \{ @link Integer.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #maxResults(Integer)"
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"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.\n\n@\n@param maxResults The new value for the MaxResults property for this object.\n@\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "Returns the value of the MaxResults property for this object.\n\n@\n@return The value of the MaxResults property for this object."
,
"getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false,
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults The new value for the MaxResults property for this object.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {  
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
}
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the (@link String.Builder) avoiding the need to create one manually via (@link String#builder()). When the (@link Consumer) completes, (@link String.Builder#build()) is called immediately and its result is passed to (@link #nextToken(String)).

@defaultConsumerFluentSetterDocumentation

Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.

@param nextToken a consumer that will call methods on {@link String.Builder}
@returns Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)",
"deprecated" : false,
"documentation" : ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object. When the (@link Consumer) completes, (@link String.Builder#build()) is called immediately and its result is passed to (@link #nextToken(String)).

@fluentSetterDocumentation

Sets the value of the NextToken property for this object.

@param nextToken The new value for the NextToken property for this object.
@returns Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)",
"getterDocumentation" : "Returns the value of the NextToken property for this object.
@returns The value of the NextToken property for this object.

@see #nextToken(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object. \n\n@param nextToken The new value for the NextToken property for this object."
,"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "GetUpgradeHistoryRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "GetUpgradeHistoryRequest",
  "variableName" : "getUpgradeHistoryRequest",
  "variableType" : "GetUpgradeHistoryRequest",
  "documentation" : null,
  "simpleType" : "GetUpgradeHistoryRequest",
  "variableSetterType" : "GetUpgradeHistoryRequest"
},
"wrapper" : false
},
"GetUpgradeHistoryResponse" : {
  "c2jName" : "GetUpgradeHistoryResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
Container for response returned by \texttt{GetUpgradeHistory} operation. 

### enums

- \texttt{null}

### errorCode

- \texttt{null}

### event

- \texttt{false}

### eventStream

- \texttt{false}

### explicitEventPayloadMember

- \texttt{null}

### hasHeaderMember

- \texttt{false}

### hasPayloadMember

- \texttt{false}

### hasStatusCodeMember

- \texttt{false}

### hasStreamingMember

- \texttt{false}

### httpStatusCode

- \texttt{null}

### marshaller

- \texttt{null}

### members

- \[
  \begin{array}{l}
  \text{beanStyleGetterMethodName} = \text{getUpgradeHistories}, \\
  \text{beanStyleSetterMethodName} = \text{setUpgradeHistories}, \\
  \text{c2jName} = \text{UpgradeHistories}, \\
  \text{c2jShape} = \text{UpgradeHistoryList},
  \end{array}
\]

- \texttt{null}

### defaultConsumerFluentSetterDocumentation

- \p A list of \texttt{UpgradeHistory} objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of \texttt{GetUpgradeHistoryResponse} object. 

This is a convenience that creates an instance of the \{ @link List\texttt{UpgradeHistory}\_Builder \} avoiding the need to create one manually via \{ @link \texttt{List\texttt{UpgradeHistory}}\_\texttt{Builder}() \}.  

When the \{ @link \texttt{Consumer} \} completes, \{ @link \texttt{List\texttt{UpgradeHistory}}\_\texttt{Builder}\_\texttt{build()} \} is called immediately and its result is passed to \{ @link \texttt{List\texttt{UpgradeHistory}}\_\texttt{Builder}() \texttt{\_\_param upgradeHistories} a consumer that will call methods on \{ @link \texttt{List\texttt{UpgradeHistory}}\_\texttt{Builder}() \texttt{\_\_param upgradeHistories} a reference to this object so that method calls can be chained together. \texttt{\_\_see \texttt{upgradeHistories(List\texttt{UpgradeHistory})}}.

- \texttt{null}

### documentation

- \p A list of \texttt{UpgradeHistory} objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of \texttt{GetUpgradeHistoryResponse} object. 

- \p A list of \texttt{UpgradeHistory} objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of \texttt{GetUpgradeHistoryResponse} object.

- \p A list of \texttt{UpgradeHistory} objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of \texttt{GetUpgradeHistoryResponse} object. 

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- \p A list of \texttt{UpgradeHistory} objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of \texttt{GetUpgradeHistoryResponse} object.
Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>GetUpgradeHistoryResponse</code> object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return A list of <code>UpgradeHistory</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>GetUpgradeHistoryResponse</code> object.

"getterModel" : {
  "returnType" : "java.util.List<UpgradeHistory>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeHistories",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeHistories",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeHistory",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the (@link UpgradeHistory.Builder) avoiding the need to create one manually via (@link UpgradeHistory#builder()). When the (@link Consumer) completes, (@link UpgradeHistory.Builder#build()) is called immediately and its result is passed to (@link #member(UpgradeHistory)).

@see #member(UpgradeHistory)"
  },
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventoHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
    "returnType" : "UpgradeHistory",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "UpgradeHistory",
    "variableName" : "member",
    "variableType" : "UpgradeHistory",
    "documentation" : null,
    "simpleType" : "UpgradeHistory",
    "documentation" : null
}
"variableSetterType" : "UpgradeHistory"
],
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : "",
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeHistory",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeHistory",
"templateImplType" : "java.util.ArrayList<UpgradeHistory>",
"templateType" : "java.util.List<UpgradeHistory>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "UpgradeHistories",
"setterDocumentation" : "<p>A list of <code>&lt;a&gt;UpgradeHistory&lt;/a&gt;</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>&lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt;</code> object. <code>&lt;/param&gt;upgradeHistories A list of &lt;code&gt;&lt;a&gt;UpgradeHistory&lt;/a&gt;&lt;/code&gt; objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of &lt;code&gt;&lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt;&lt;/code&gt; object.&lt;/p&gt;\n&lt;param name="upgradeHistories" type="&lt;code&gt;java.util.List&lt;UpgradeHistory&gt;&lt;/code&gt;"&gt;&lt;/param&gt;&lt;/p&gt;\n\n&lt;setters&gt;
  
  &lt;setterModel&gt;
    &lt;variableDeclarationType&gt;"java.util.List&lt;UpgradeHistory&gt;"
    &lt;variableName&gt;"upgradeHistories"
    &lt;variableType&gt;"java.util.List&lt;UpgradeHistory&gt;"
    &lt;documentation&gt;null
    &lt;simpleType" List&lt;UpgradeHistory&gt;"
    &lt;variableSetterType" java.util.Collection&lt;UpgradeHistory&gt;"

  
  &lt;simple" : false,
  &lt;timestampFormat" : null,
  &lt;variable" {
    &lt;variableDeclarationType" "java.util.List&lt;UpgradeHistory&gt;"
    &lt;variableName" "upgradeHistories"
    &lt;variableType" "java.util.List&lt;UpgradeHistory&gt;"
"documentation": "A list of <code>UpgradeHistory</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>GetUpgradeHistoryResponse</code> object.

- simpleType: "List<UpgradeHistory>",
- variableSetterType: "java.util.Collection<UpgradeHistory>"

"xmlnsSpaceUri": null

- beanStyleGetterMethodName: "getNextToken",
- beanStyleSetterMethodName: "setNextToken",
- c2jName: "NextToken",
- c2jShape: "String",
- defaultConsumerFluentSetterDocumentation: "Pagination token that needs to be supplied to the next call to get the next page of results. This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [nextToken(String)].

- deprecated: false,
- documentation: "Pagination token that needs to be supplied to the next call to get the next page of results",
- enumType: null,
- eventHeader: false,
- eventPayload: false,
- fluentEnumGetterMethodName: null,
- fluentEnumSetterMethodName: null,
- fluentGetterMethodName: "nextToken",
- fluentSetterDocumentation: "Pagination token that needs to be supplied to the next call to get the next page of results"

- getterDocumentation: "Pagination token that needs to be supplied to the next call to get the next page of results",
- getterModel: {
- returnType: "String",
- documentation: "null"
}

"http": {
- additionalMarshallingPath: null,
- additionalUnmarshallingPath: null,
- flattened: false,
- greedy: false,
- header: false,
- isPayload: false,
- isStreaming: false,
- location: null,
- marshallLocation: "PAYLOAD",
- marshallLocationName: "NextToken"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
  "NextToken" : {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>\nThis is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().\n\nWhen the @link Consumer completes,
{@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.

@alias

@param nextToken a consumer that will call methods on {@link String.Builder}

@return

Returns a reference to this object so that method calls can be chained together.

@see #nextToken

"deprecated" : false,

"documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>"},
results</p>
\n@param nextToken Pagination token that needs to be supplied to the next call to get the next page of
results",

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "Pagination token that needs to be supplied to the next call to get the next page of
results",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
UpgradeHistories" : {
  "beanStyleGetterMethodName" : "getUpgradeHistories",
  "beanStyleSetterMethodName" : "setUpgradeHistories",
  "c2jName" : "UpgradeHistories",
  "c2jShape" : "UpgradeHistoryList",
  "defaultConsumerFluentSetterDocumentation" : "A list of <a>UpgradeHistory</a> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <a>GetUpgradeHistoryResponse</a> object. This is a convenience that creates an instance of the { @link List<UpgradeHistory>.Builder } avoiding the need to create one manually via { @link List<UpgradeHistory>#builder() }. When the { @link Consumer } completes, { @link List<UpgradeHistory>.Builder#build() } is called immediately and its result is passed to { @link upgradeHistories(List<UpgradeHistory>) }. @param upgradeHistories a consumer that will call methods on { @link List<UpgradeHistory>.Builder } @return Returns a reference to this object so that method calls can be chained together.@see upgradeHistories(List<UpgradeHistory>)",
  "deprecated" : false,
  "documentation" : "A list of <a>UpgradeHistory</a> objects corresponding to each
Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <a>GetUpgradeHistoryResponse</a> object."
}
"fluentSetterDocumentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. \n@\param upgradeHistories A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "upgradeHistories",
"getterDocumentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.\n",
"getterModel" : {
  "returnType" : "java.util.List<UpgradeHistory>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeHistories",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeHistories",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeHistory",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \{@link UpgradeHistory.Builder\} avoiding the need to create one manually via \{@link UpgradeHistory#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link

UpgradeHistory.Builder#build() is called immediately and its result is passed to { @link 
#member(UpgradeHistory)).
@맑 Member a consumer that will call methods on { @link
UpgradeHistory.Builder\n@麝 Returns a reference to this object so that method calls can be chained
together.\n@麝 see #member(UpgradeHistory)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@麝 param member The new value for the Member property for this object.\n\n@麝 return Returns a reference to this object so that method calls can be chained
together."
,"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@麝 return The value of
the Member property for this object."
,"getterModel" : {
  "returnType" : "UpgradeHistory",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@麝 param member The
new value for the Member property for this object.

```
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : null,
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : null,
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeHistory",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeHistory",
"templateImplType" : "java.util.ArrayList<UpgradeHistory>",
"templateType" : "java.util.List<UpgradeHistory>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "UpgradeHistories",
"setterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>"n@param upgradeHistories A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object.

"setterMethodName" : "setUpgradeHistories",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : null,
  "simpleType" : "List<UpgradeHistory>",
```

---

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"variableSetterType" : "java.util.Collection<UpgradeHistory>" 
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. </p>
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getUpgradeHistories",
  "beanStyleSetterMethodMame" : "setUpgradeHistories",
  "c2jName" : "UpgradeHistories",
  "c2jShape" : "UpgradeHistoryList",
  "defaultConsumerFluentSetterDocumentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. </p>
This is a convenience that creates an instance of the [ @link List<UpgradeHistory>.Builder] avoiding the need to create one manually via [ @link List<UpgradeHistory>#builder()].\nWhen the [ @link Consumer] completes, [ @link List<UpgradeHistory>.Builder#build()] is called immediately and its result is passed to [ @link #upgradeHistories(List<UpgradeHistory>)].\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeHistories(List<UpgradeHistory>)",
  "deprecated" : false,
  "documentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. </p>
},
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeHistories",
"fluentSetterDocumentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. </p>
},
"@param upgradeHistories A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "upgradeHistories",
A list of `<code>UpgradeHistory</code>` objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of `<code>GetUpgradeHistoryResponse</code>` object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return A list of `<code>UpgradeHistory</code>` objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of `<code>GetUpgradeHistoryResponse</code>` object.
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel": { "returnType": "UpgradeHistory", "documentation": null },
"http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": null, "marshallLocation": "PAYLOAD", "marshallLocationName": "member", "queryString": false, "statusCode": false, "unmarshallLocationName": "member", "uri": false },
"idempotencyToken": false, "isBinary": false, "jsonValue": false, "list": false, "listModel": null, "map": false, "mapModel": null, "marshallingType": "SDK_POJO", "name": "Member", 
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setMember",
"setterModel": { "variableDeclarationType": "UpgradeHistory", "variableName": "member", "variableType": "UpgradeHistory", "documentation": null,}
"simpleType" : "UpgradeHistory",
"variableSetterType" : "UpgradeHistory"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : "",
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeHistory",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeHistory",
"templateImplType" : "java.util.ArrayList<UpgradeHistory>",
"templateType" : "java.util.List<UpgradeHistory>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "UpgradeHistories",
"setterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
@param upgradeHistories A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object."
"setterMethodName" : "setUpgradeHistories",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : null,
  "simpleType" : "List<UpgradeHistory>",
  "variableSetterType" : "java.util.Collection<UpgradeHistory>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : null,
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"xmlNameSpaceUri" : null
}
"variableType" : "java.util.List<UpgradeHistory>",
"documentation" : "<p> A list of <code>&lt;a&gt;UpgradeHistory&lt;/a&gt;</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>&lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt;</code> object. </p>",
"simpleType" : "List&lt;UpgradeHistory&gt;",
"variableSetterType" : "java.util.Collection&lt;UpgradeHistory&gt;"
},
"xmlnsNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #nextToken(String)].\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>\n\n@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"getterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>\n\n@see #nextToken(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",}
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",

"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results",

"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetUpgradeHistoryResponse",
"simpleMethod" : false,
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
}
"variable" : {
  "variableDeclarationType" : "GetUpgradeHistoryResponse",
  "variableName" : "getUpgradeHistoryResponse",
  "variableType" : "GetUpgradeHistoryResponse",
  "documentation" : null,
  "simpleType" : "GetUpgradeHistoryResponse",
  "variableSetterType" : "GetUpgradeHistoryResponse"
},
"wrapper" : false
},
"GetUpgradeStatusRequest" : {
  "c2jName" : "GetUpgradeStatusRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for request parameters to <code> <a>GetUpgradeStatus</a> </code>
operation. </p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "GetUpgradeStatus",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/upgradeDomain/{DomainName}/status",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {
@link #domainName(String)}.

@param domainName a consumer that will call methods on {
@link String.Builder}.

@returns Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object."
@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object."
@returns The value of the DomainName property for this object."

"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : "uri",
 "marshallLocation" : "PATH",
 "marshallLocationName" : "DomainName",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainName",
 "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
 "name" : "DomainName",
 "setterDocumentation" : "Sets the value of the DomainName property for this object."
@returns domainName The new value for the DomainName property for this object.

@returns A reference to this object so that method calls can be chained together.

@see #domainName(String)
The new value for the DomainName property for this object.

.setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
    "DomainName" : {
        "beanStyleGetterMethodName" : "getDomainName",
        "beanStyleSetterMethodName" : "setDomainName",
        "c2jName" : "DomainName",
        "c2jShape" : "DomainName",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

    This is a convenience that creates an instance of the (@link String.Builder) avoiding the need to create one manually via (@link String#builder()). When the (@link Consumer) completes, (@link String.Builder#build()) is called immediately and its result is passed to (@link #domainName(String)).

    @param domainName a consumer that will call methods on (@link String.Builder)
    @return Returns a reference to this object so that method calls can be chained together.
    @see #domainName(String)"
        ,
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "domainName",
        "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

    The new value for the DomainName property for this object.
    @return Returns a reference to this object so that method calls can be chained together.

    @param domainName The new value for the DomainName property for this object.
    @return Returns a reference to this object so that method calls can be chained together.

    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "Returns the value of the DomainName property for this object.

    @return The value of the DomainName property for this object.
    

    

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"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "uri",
"marshallLocation": "PATH",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": true
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "Sets the value of the DomainName property for this object.\n\n@\nparam domainName The new value for the DomainName property for this object."
,
"setterMethodName": "setDomainName",

"setterModel": {

"variableDeclarationType": "String",
"variableName": "domainName",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,

"variable": {

"variableDeclarationType": "String",
"variableName": "domainName",
"variableType": "String",
"documentation": "",
"simpleType": "String"
}
"variableSetterType" : "String",
],
"xmlNameSpaceUri" : null
]
],
"nonStreamingMembers" : [
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create
one manually via [link String#builder()]. When the [link Consumer] completes, [link
String.Builder#build()] is called immediately and its result is passed to [link #domainName(String)].

@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

@see #domainName(String)"
",
"getterDocumentation" : "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"prefixInUri" : false}
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@\n"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} },
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainName" ],
"shapeName" : "GetUpgradeStatusRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "GetUpgradeStatusRequest",
  "variableName" : "getUpgradeStatusRequest",
  "variableType" : "GetUpgradeStatusRequest",
  "documentation" : null,
  "simpleType" : "GetUpgradeStatusRequest",
  "variableSetterType" : "GetUpgradeStatusRequest"
}.
"wrapper" : false,
"GetUpgradeStatusResponse" : {
  "c2jName" : "GetUpgradeStatusResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for response returned by <code>a:GetUpgradeStatus</a> <code> operation. </p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [
    {
      "beanStyleGetterMethodName" : "getUpgradeStepAsString",
      "beanStyleSetterMethodName" : "setUpgradeStep",
      "c2jName" : "UpgradeStep",
      "c2jShape" : "UpgradeStep",
      "deprecated" : false,
      "documentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one
manually via { @link String#builder()).\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link upgradeStepAsString(String)}.\n\n@param upgradeStep a consumer that will call methods on { @link String.Builder}\n\n@return Returns a reference to this object so that
method calls can be chained together.\n\n@see #upgradeStep(String)",
      "deprecated" : false,
      "documentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check
does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
\n@see #upgradeStep(String)\n\n\n@see #upgradeStep(String)\n\n\n@see #upgradeStep(String)\n@see #upgradeStep(String)\n@see #upgradeStep(String)\n@see #upgradeStep(String)\n@see #upgradeStep(String)\n@see #upgradeStep(String)\n@see #upgradeStep(String)";
  }
}
upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>

If the service returns an enum value that is not available in the current SDK version, @link #upgradeStep will return @link UpgradeStep#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from @link #upgradeStepAsString.

@see UpgradeStep

@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>

@see UpgradeStep

@see UpgradeStep
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>
</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}, {
  "beanStyleGetterMethodName" : "getStepStatusAsString",
  "beanStyleSetterMethodName" : "setStepStatus",
  "c2jName" : "StepStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}().\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #stepStatusAsString(String)} a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #stepStatusAsString(String)",
  "deprecated" : false,
  "documentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "stepStatus",
  "fluentEnumSetterMethodName" : "stepStatus",
  "fluentGetterMethodName" : "stepStatusAsString",
  "fluentSetterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus",
  "getterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus"}
<a>GetUpgradeStatusResponse</a> object. The status can take one of the following values: 
<li>In Progress</li> 
<li>Succeeded</li> 
<li>Succeeded with Issues</li> 
<li>Failed</li>
</p>

If the service returns an enum value that is not available in the current SDK version, 
{@link #stepStatus} will return {@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from 
{@link #stepStatusAsString}.

@return One of 4 statuses that a step can go through returned as part of the 
<a>GetUpgradeStatusResponse</a> object. The status can take one of the following values: 
<li>In Progress</li> 
<li>Succeeded</li> 
<li>Succeeded with Issues</li> 
<li>Failed</li>
</p>

@see UpgradeStatus

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StepStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StepStatus",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "StepStatus",

"setterDocumentation" : "One of 4 statuses that a step can go through returned as part of the 
<a>GetUpgradeStatusResponse</a> object. The status can take one of the following values: 
<li>In Progress</li> 
<li>Succeeded</li> 
<li>Succeeded with Issues</li> 
<li>Failed</li>
</p>

"setterMethodName" : "setStepStatus",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String"};
One of 4 statuses that a step can go through returned as part of the `<code>GetUpgradeStatusResponse</code>` object. The status can take one of the following values: `<ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>"
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"setterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
},
"membersAsMap" : {
  "StepStatus" : {
    "$ref" : "/OpenSource/UsedIn/DataCenterNetworkManager/11.5(1)/14093/membersAsMap/StepStatus"}
}
One of 4 statuses that a step can go through returned as part of the `<code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: `<ul>` `<li>` In Progress`</li>` `<li>` Succeeded`</li>` `<li>` Succeeded with Issues`</li>` `<li>` Failed`</li>` </ul>`

The status can take one of the following values: `<ul>` `<li>` In Progress`</li>` `<li>` Succeeded`</li>` `<li>` Succeeded with Issues`</li>` `<li>` Failed`</li>` </ul>`

See UpgradeStatus.
"UpgradeName" : {
"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;A string that describes the update briefly&lt;/p&gt;\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link upgradeName(String)].\n\n@param upgradeName a consumer that will call methods on [@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeName(String)",
"deprecated" : false,
"documentation" : "&lt;p&gt;A string that describes the update briefly&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "&lt;p&gt;A string that describes the update briefly&lt;/p&gt;\n\n@param upgradeName A string that describes the update briefly\n\n@return\nReturns a reference to this object so that method calls can be chained together.\n\n@see #upgradeName(String)",
"fluentSetterMethodName" : "upgradeName",
"getterDocumentation" : "&lt;p&gt;A string that describes the update briefly&lt;/p&gt;\n\n@return\nA string that describes the update briefly",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
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"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"setterDocumentation" : "<p>A string that describes the update briefly</p>\n@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpgradeStep" : {
  "beanStyleGetterMethodName" : "getUpgradeStepAsString",
  "beanStyleSetterMethodName" : "setUpgradeStep",
  "c2jName" : "UpgradeStep",
  "c2jShape" : "UpgradeStep",
  "defaultConsumerFluentSetterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #upgradeStepAsString(String)].\n\n@see #upgradeStep(String)"
},
"deprecated" : false,
"documentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>"}
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterDocumentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStep",

"getterDocumentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
If the service returns an enum value that is not available in the current SDK version, {@link #upgradeStep} will return {@link UpgradeStep#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #upgradeStepAsString}.

@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},

"idempotencyToken" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "UpgradeStep",

"setterDocumentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",

"setterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "UpgradeStep",

"setterDocumentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep"
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getUpgradeStepAsString",
  "beanStyleSetterMethodName" : "setUpgradeStep",
  "c2jName" : "UpgradeStep",
  "c2jShape" : "UpgradeStep",
  "defaultConsumerFluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> 
</p><p>This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. 
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link upgradeStepAsString(String)]. 
@method return Returns a reference to this object so that method calls can be chained together. 
@see upgradeStepAsString

  
  "deprecated" : false,
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>

  "enumType" : "UpgradeStep",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStep",
  "fluentEnumSetterMethodName" : "upgradeStep",
  "fluentGetterMethodName" : "upgradeStepAsString",
  "fluentSetterMethodName" : "upgradeStep",
  "fluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> 

  @param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> 
  @method return Returns a
reference to this object so that method calls can be chained together.\n@see UpgradeStep",
"getterMethodName" : "upgradeStep",
"getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snap Shot</li> <li>Upgrade</li> </ul> </p>
If the service returns an enum value that is not available in the current SDK version, {@link #upgradeStep} will return {@link UpgradeStep#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #upgradeStepAsString}.\n\n@see UpgradeStep",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},
idempotencyToken" : false,
isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snap Shot</li> <li>Upgrade</li> </ul> </p>
\n@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeStep",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",}
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>
</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStepStatusAsString",
"beanStyleSetterMethodName" : "setStepStatus",
"c2jName" : "StepStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code> <a>GetUpgradeStatusResponse</a> </code> object. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder(). When the @link String.Builder completes, @link String.Builder#build() is called immediately and its result is passed to @link stepStatusAsString(String). @param stepStatus a consumer that will call methods on @link String.Builder
@returns a reference to this object so that method calls can be chained together.
@see #stepStatusAsString(String)",
"deprecated" : false,
"documentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code> <a>GetUpgradeStatusResponse</a> </code> object. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "stepStatus",
"fluentEnumSetterMethodName" : "stepStatus",
"fluentGetterMethodName" : "stepStatusAsString",
"fluentSetterMethodName" : "stepStatus",
"fluentSetterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code> <a>GetUpgradeStatusResponse</a> </code> object. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
One of 4 statuses that a step can go through returned as part of the <code> <a>GetUpgradeStatusResponse</a> </code> object. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
\n@returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus",
"fluentSetterMethodDocumentation" : "stepStatus",
"getterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code> <a>GetUpgradeStatusResponse</a> </code> object. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
If the service
returns an enum value that is not available in the current SDK version, [@link stepStatus](UpgradeStatus#UNKNOWN_TO_SDK_VERSION) will return [@link stepStatusAsString](UpgradeStatus). The raw value returned by the service is available from [@link stepStatusAsString](UpgradeStatus). One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li></ul>@see UpgradeStatus",  
"getterModel" : {  
"returnType" : "String",  
"documentation" : null  
},  
"http" : {  
"additionalMarshallingPath" : null,  
"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocation" : "PAYLOAD",  
"marshallLocationName" : "StepStatus",  
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "StepStatus",  
"uri" : false  
},  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
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"name" : "StepStatus",  
"setterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li></ul>@see UpgradeStatus",  
"setterMethodName" : "setStepStatus",  
"setterModel" : {  
"variableDeclarationType" : "String",  
"variableName" : "stepStatus",  
"variableType" : "String",  
"documentation" : null,  
"simpleType" : "String",
"variableSetterType" : "String",
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : "<p>A string that describes the update briefly</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeName(String)}.\n@param upgradeName a consumer that will call methods on the {String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeName(String)",
"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>\n","enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "<p>A string that describes the update briefly</p>\n@param upgradeName A string that describes the update briefly\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "upgradeName",
"getterDocumentation" : "<p>A string that describes the update briefly</p>\n@return A string that describes the update briefly",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
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"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
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"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
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"setterDocumentation" : "<p>A string that describes the update briefly</p>@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
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  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
]
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
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"simpleMethod" : false,
"unmarshaller" : {
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  "resultWrapper" : null
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  "variableName" : "getUpgradeStatusResponse",
  "variableType" : "GetUpgradeStatusResponse",
  "documentation" : null,
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  "variableSetterType" : "GetUpgradeStatusResponse"
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"wrapper" : false
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  "c2jName" : "InstanceCountLimits",
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    "skipGeneratingMarshaller" : false,
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  "deprecated" : false,
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  "event" : false,
  "eventStream" : false,
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  "marshaller" : null,
  "marshaller" : null,
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    "beanStyleGetterMethodName" : "getMinimumInstanceCount",
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    "c2jName" : "MinimumInstanceCount",
    "c2jShape" : "MinimumInstanceCount",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\nThis is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer.Builder\}.\nWhen the \{@link Consumer\} completes, \{@link Integer.Builder\}\#build() is called immediately and its result is passed to \{@link #__param minimumInstanceCount(Inte\n
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Integer.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #minimumInstanceCount(Integer)

"deprecated" : false,
"documentation" : "",
"enumType" : null,
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"fluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this
object.

@param minimumInstanceCount The new value for the MinimumInstanceCount property for this
object.
@return Returns a reference to this object so that method calls can be chained together.

"getterModel" : {
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},
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    "greedy" : false,
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    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
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    "marshallLocationName" : "MinimumInstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "MinimumInstanceCount",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this
object.

@method minimumInstanceCount The new value for the MinimumInstanceCount property for this
object.
@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setMinimumInstanceCount",
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  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"variable" : {
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  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
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  "beanStyleSetterMethodName" : "setMaximumInstanceCount",
  "c2jName" : "MaximumInstanceCount",
  "c2jShape" : "MaximumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object. This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #maximumInstanceCount(Integer)}.\n@see \n@return Returns a reference to this object so that method calls can be chained together.\n@deprecated",  "documentation" : null,
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  "eventPayload" : false,
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  "fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n@see \n@return Returns a reference to this object so that method calls can be chained together.\n",
  "deprecated" : false,
  "documentation" : null,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maximumInstanceCount",
  "fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n@see \n@return Returns a reference to this object so that method calls can be chained together.\n",
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  "documentation" : null,
  "enumType" : null,
  "eventHeader" : false,
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  "fluentEnumSetterMethodName" : null,
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  "documentation" : null,
  "enumType" : null,
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  "fluentEnumSetterMethodName" : null,
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  "fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n@see \n@return Returns a reference to this object so that method calls can be chained together.\n",
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  "documentation" : null,
  "enumType" : null,
  "eventHeader" : false,
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  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maximumInstanceCount",
  "fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n@see \n@return Returns a reference to this object so that method calls can be chained together.\n"}
"membersAsMap" : {
  "MaximumInstanceCount" : {
    "beanStyleGetterMethodName" : "getMaximumInstanceCount",
    "beanStyleSetterMethodName" : "setMaximumInstanceCount",
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    "c2jShape" : "MaximumInstanceCount",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n\nThis is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].\n\nWhen the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #maximumInstanceCount(Integer)].\n\n@see #maximumInstanceCount(Integer)",
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    "documentation" : "",
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    "eventPayload" : false,
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    "fluentEnumSetterMethodName" : null,
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    "fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n\nThe new value for the MaximumInstanceCount property for this object.\n\n@see #maximumInstanceCount(Integer)"
    "getterDocumentation" : "Returns the value of the MaximumInstanceCount property for this object."
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "MaximumInstanceCount",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "MaximumInstanceCount",
      "uri" : false
    }
  },
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaximumInstanceCount",
"setterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n\n@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object."
"setterMethodName" : "setMaxMaximumInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maximumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "maximumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"MinimumInstanceCount" : {
  "beanStyleGetterMethodName" : "getMinimumInstanceCount",
  "beanStyleSetterMethodName" : "setMinimumInstanceCount",
  "c2jName" : "MinimumInstanceCount",
  "c2jShape" : "MinimumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\nThis is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#build()}.\n\nWhen the {@link Integer.Builder#build()} is called immediately and its result is passed to {@link Integer.Builder#build()}\n\n@defaultConsumerFluentSetterDocumentation\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #minimumInstanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
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"fluentEnumSetterMethodName" : null,
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@\param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "minimumInstanceCount",
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"documentation" : null
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "MinimumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinimumInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.
@\param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.
@return The value of the MinimumInstanceCount property for this object.",
"setterMethodName" : "setMinimumInstanceCount",
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"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer"
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "MinimumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinimumInstanceCount",
"uri" : false,
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"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"name" : "MinimumInstanceCount",
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\n@param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.\n",
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"setterModel" : {
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  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "beanStyleSetterMethodName" : "setMaximumInstanceCount",
  "c2jName" : "MaximumInstanceCount"}
"c2jShape" : "MaximumInstanceCount",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object. This is a convenience that creates an instance of the [Integer.Builder] avoiding the need to create one manually via [Integer#builder()]. When the [Consumer] completes, [Integer.Builder#build()] is called immediately and its result is passed to [maximumInstanceCount(Integer)].

@deprecated
@param maximumInstanceCount a consumer that will call methods on [Integer.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #maximumInstanceCount(Integer)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maximumInstanceCount",
"fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.

@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "maximumInstanceCount",
"getterDocumentation" : "Returns the value of the MaximumInstanceCount property for this object.

@see #maximumInstanceCount(Integer)",
"getterModel" : {
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"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "MaximumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaximumInstanceCount",
"uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"name" : "MaximumInstanceCount",
"setterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.

@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object.",
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  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
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"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "InstanceCountLimits",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceCountLimits",
  "variableName" : "instanceCountLimits",
  "variableType" : "InstanceCountLimits",
  "documentation" : null,
  "simpleType" : "InstanceCountLimits",
  "variableSetterType" : "InstanceCountLimits"
},
"wrapper" : false
},
"InstanceLimits" : {
  "c2jName" : "InstanceLimits",
  "customization" : {

InstanceLimits represents the list of instance related attributes that are available for given InstanceType.

```
{
    "beanStyleGetterMethodName": "getInstanceCountLimits",
    "beanStyleSetterMethodName": "setInstanceCountLimits",
    "c2jName": "InstanceCountLimits",
    "c2jShape": "InstanceCountLimits",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the InstanceCountLimits property for this object. This is a convenience that creates an instance of the [link InstanceCountLimits.Builder] avoiding the need to create one manually via [link InstanceCountLimits.Builder#builder()]. When the [link Consumer] completes, [link InstanceCountLimits.Builder#build()] is called immediately and its result is passed to [link InstanceCountLimits(InstanceCountLimits)].

    @param instanceCountLimits a consumer that will call methods on [link InstanceCountLimits.Builder]
    @return Returns a reference to this object so that method calls can be chained together.
    @see #instanceCountLimits(InstanceCountLimits)",
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    "eventPayload": false,
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    "fluentEnumSetterMethodName": null,
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    "fluentSetterDocumentation": "Sets the value of the InstanceCountLimits property for this object. The new value for the InstanceCountLimits property for this object.
    @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "instanceCountLimits",
    "getterDocumentation": "Returns the value of the InstanceCountLimits property for this object."
    @return The value of the InstanceCountLimits property for this object.
    @see #getterModel"
}
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},
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  "InstanceCountLimits" : {
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    "beanStyleSetterMethodName" : "setInstanceCountLimits",
    "c2jName" : "InstanceCountLimits",
    "c2jShape" : "InstanceCountLimits",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.
This is a convenience that creates an instance of the {@link InstanceCountLimits.Builder} avoiding the need to create one manually via {@link InstanceCountLimits#builder()}
When the { @link Consumer} completes, { @link InstanceCountLimits.Builder#build()} is called immediately and its result is passed to { @link InstanceCountLimits(InstanceCountLimits)}.

@param instanceCountLimits a consumer that will call methods on { @link InstanceCountLimits.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #instanceCountLimits(InstanceCountLimits)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
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    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "instanceCountLimits",
    "fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@param instanceCountLimits The new value for the InstanceCountLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together.

@see #instanceCountLimits(InstanceCountLimits)",
    "getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.

@return The value of the InstanceCountLimits property for this object.

@see #getInstanceCountLimits()",
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      "documentation" : null
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  },
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    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "statusCode" : false,
    "unmarshallLocationName" : "InstanceCountLimits",
    "uri" : false}
\{,
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  "jsonValue" : false,
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  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "InstanceCountLimits",
  "setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object."
    \n    @param instanceCountLimits The new value for the InstanceCountLimits property for this object."
    ,
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    "documentation" : null,
    "simpleType" : "InstanceCountLimits",
    "variableSetterType" : "InstanceCountLimits"
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  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
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    "variableName" : "instanceCountLimits",
    "variableType" : "InstanceCountLimits",
    "documentation" : null,
    "simpleType" : "InstanceCountLimits",
    "variableSetterType" : "InstanceCountLimits"
  },
  "xmlNameSpaceUri" : null
\}
\}

"nonStreamingMembers" : [ {
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  "beanStyleSetterMethodName" : "setInstanceCountLimits",
  "c2jName" : "InstanceCountLimits",
  "c2jShape" : "InstanceCountLimits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object."
    This is a convenience that creates an instance of the [@link InstanceCountLimits.Builder] avoiding the need to create one manually via [@link InstanceCountLimits#builder()]. When the [@link Consumer] completes, [@link InstanceCountLimits.Builder#build()] is called immediately and its result is passed to [@link #instanceCountLimits(InstanceCountLimits)].
  
  @param instanceCountLimits a consumer that will call methods on [@link InstanceCountLimits.Builder]
    @return Returns a reference to this object so that method calls can be chained together.
    @see #instanceCountLimits(InstanceCountLimits)",
  "deprecated" : false,
  "documentation" : "",
}
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCountLimits",
"fluentSetterMethodName" : "instanceCountLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@param instanceCountLimits The new value for the InstanceCountLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "instanceCountLimits",
"getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.

@return The value of the InstanceCountLimits property for this object."
,"getterModel" : {
    "returnType" : "InstanceCountLimits",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "InstanceCountLimits",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceCountLimits",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceCountLimits",
"setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@param instanceCountLimits The new value for the InstanceCountLimits property for this object."
,"setterMethodName" : "setInstanceCountLimits",
"setterModel" : {
    "variableDeclarationType" : "InstanceCountLimits",
    "variableName" : "instanceCountLimits",
    "variableType" : "InstanceCountLimits"}
"documentation": null,
"simpleType": "InstanceCountLimits",
"variableSetterType": "InstanceCountLimits"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "InstanceCountLimits",
  "variableName": "instanceCountLimits",
  "variableType": "InstanceCountLimits",
  "documentation": "",
  "simpleType": "InstanceCountLimits",
  "variableSetterType": "InstanceCountLimits"
},
"xmlNameSpaceUri": null
]
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "InstanceLimits",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "InstanceLimits",
  "variableName": "instanceLimits",
  "variableType": "InstanceLimits",
  "documentation": null,
  "simpleType": "InstanceLimits",
  "variableSetterType": "InstanceLimits"
},
"wrapper": false
},
"InternalException": {
  "c2jName": "InternalException",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
  "enums": null,
"errorCode" : "InternalException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 500,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InternalException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : { 
  "variableDeclarationType" : "InternalException",
  "variableName" : "internalException",
  "variableType" : "InternalException",
  "documentation" : null,
  "simpleType" : "InternalException",
  "variableSetterType" : "InternalException"
},
"wrapper" : false
},
"InvalidTypeException" : { 
  "c2jName" : "InvalidTypeException",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.</p>",
  "enums" : null,
  "errorCode" : "InvalidTypeException",
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": 409,
"marshaller": null,
"members": [],
"membersAsMap": { },
"nonStreamingMembers": [],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "InvalidTypeException",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "InvalidTypeException",
  "variableName": "invalidTypeException",
  "variableType": "InvalidTypeException",
  "documentation": null,
  "simpleType": "InvalidTypeException",
  "variableSetterType": "InvalidTypeException"
},
"wrapper": false
},
"LimitExceededException": {
  "c2jName": "LimitExceededException",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
  "enums": null,
  "errorCode": "LimitExceededException",
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": 409,
  "marshaller": null,
  "members": [],
  "membersAsMap": { }
}
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LimitExceededException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "LimitExceededException",
  "variableName" : "limitExceededException",
  "variableType" : "LimitExceededException",
  "documentation" : null,
  "simpleType" : "LimitExceededException",
  "variableSetterType" : "LimitExceededException",
},
"wrapper" : false,
"Limits" : {
  "c2jName" : "Limits",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0,
  },
  "deprecated" : false,
  "documentation" : "<p>Limits for given InstanceType and for each of it's role. <br/>Limits contains following<br/><code><a>StorageTypes</a>, </code><code><a>InstanceLimits</a> </code> and <code><a>AdditionalLimits</a> </code></p> 
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshallers" : [ {
  "beanStyleGetterMethodName" : "getStorageTypes",
  "beanStyleSetterMethodName" : "setStorageTypes",
  "c2jName" : "StorageTypes",
  "c2jShape" : "StorageTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <p>\nThis is a convenience that creates an instance of the
StorageType represents the list of storage related types and attributes that are available for given InstanceType.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see #storageTypes(List<StorageType>)
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "StorageType",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {link StorageType.Builder} avoiding the need to create one manually via {link StorageType#builder()}. When the {link Consumer} completes, {link StorageType.Builder#build()} is called immediately and its result is passed to {link #member(StorageType)}.@param member a consumer that will call methods on {link StorageType.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #member(StorageType)",
    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "member",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.
The new value for the Member property for this object.@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "member",
    "getterDocumentation": "Returns the value of the Member property for this object.@return The value of the Member property for this object.",
    "getterModel": {
      "returnType": "StorageType",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocation": "PAYLOAD",
      "marshallLocationName": "member",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "member",
      "uri": false
    }
  }
}

---

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StorageType",
  "variableName" : "member",
  "variableType" : "StorageType",
  "documentation" : null,
  "simpleType" : "StorageType",
  "variableSetterType" : "StorageType"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "StorageType",
  "variableName" : "member",
  "variableType" : "StorageType",
  "documentation" : "",
  "simpleType" : "StorageType",
  "variableSetterType" : "StorageType"
},
"xmlNameSpaceUri" : null}
},
"memberLocationName" : null,
"memberType" : "StorageType",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>",
"templateType" : "java.util.List<StorageType>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypes",
"setterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are
StorageType represents the list of storage related types and attributes that are available for given InstanceType.

```java
public void setStorageTypes(List<StorageType> storageTypes)
```

## StorageType

### Simple Type

```
List<StorageType>
```

### Variable

```java
java.util.List<StorageType>
```

### Documentation

<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
of the InstanceLimits property for this object.

"getterModel" : {
  "returnType" : "InstanceLimits",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "InstanceLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceLimits",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceLimits",
"setterDocumentation" : "Sets the value of the InstanceLimits property for this object.

@param instanceLimits The new value for the InstanceLimits property for this object."

"setterMethodName" : "setInstanceLimits",
"setterModel" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : null,
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : ""
"simpleType" : "InstanceLimits",
"variableSetterType" : "InstanceLimits"
},
"xmlnsNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getAdditionalLimits",
"beanStyleSetterMethodName" : "setAdditionalLimits",
"c2jName" : "AdditionalLimits",
"c2jShape" : "AdditionalLimitList",
"defaultConsumerFluentSetterDocumentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code> .
This is a convenience that creates an instance of the { @link List<AdditionalLimit>.Builder} avoiding the need to create one manually via { @link List<AdditionalLimit>#builder()}. When the { @link Consumer} completes, { @link List<AdditionalLimit>.Builder#build()} is called immediately and its result is passed to { @link #additionalLimits(List<AdditionalLimit>)}. Returns a reference to this object so that method calls can be chained together.

@see #additionalLimits(List<AdditionalLimit>)",
"deprecated" : false,
"documentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code> .

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see List<AdditionalLimit> additionalLimits(List<AdditionalLimit>)",
"fluentSetterMethodName" : "additionalLimits",
"getterDocumentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code> .

"getterModel" : {
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder}.
When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.
@param member a consumer that will call methods on { @link AdditionalLimit.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #member(AdditionalLimit)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.
@param member Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.
",
"getterModel" : {
"returnType" : "AdditionalLimit",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : null,
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : "",
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>",

},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"setterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>.\n\n@<code>param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>.\n\n"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<AdditionalLimit>",
    "variableName" : "additionalLimits",
    "variableType" : "java.util.List<AdditionalLimit>",
    "documentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>.\n\n"defaultConsumerFluentSetterDocumentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>.\n\nThis is a convenience that creates an instance of the { @link List<AdditionalLimit>.Builder} avoiding the need to create one manually via { @link List<AdditionalLimit>#builder()}\n\nWhen the { @link Consumer} completes, { @link List<AdditionalLimit>.Builder#build()} is called immediately and its result is passed to { @link #additionalLimits(List<AdditionalLimit>)}.\n\n@<code>param additionalLimits a consumer that will call methods on { @link List<AdditionalLimit>.Builder}\n@<code>return Returns a reference to this object so that method calls can be
chained together.\n@see #additionalLimits(List<AdditionalLimit>)",
  "deprecated" : false,
  "documentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> . </p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "additionalLimits",
  "fluentSetterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> . </p>
  @param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> . @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "additionalLimits",
  "getterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> . </p>
  @return List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> .",
  "getterModel" : {
    "returnType" : "java.util.List<AdditionalLimit>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AdditionalLimits",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AdditionalLimits",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "..."}
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link AdditionalLimit.Builder} avoiding the need to create one manually via {@link AdditionalLimit#builder()}. When the {@link Consumer} completes, {@link AdditionalLimit.Builder#build()} is called immediately and its result is passed to {@link #member(AdditionalLimit)}.

@see #member(AdditionalLimit)

@param member a consumer that will call methods on {@link AdditionalLimit.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@deprecated
@getterDocumentation" : "Returns the value of the Member property for this object.

@get
@return The value of the Member property for this object.

@getterModel" : { "returnType" : "AdditionalLimit",
"documentation" : null
},
"http" : { "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
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"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
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"variableName" : "member",
"variableType" : "AdditionalLimit",
"documentation" : null,
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"variableSetterType" : "AdditionalLimit"
},
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"variableType" : "AdditionalLimit",
"documentation" : "",
"simpleType" : "AdditionalLimit",
"variableSetterType" : "AdditionalLimit"
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"xmlNameSpaceUri" : null
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"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>"
},
"map" : false,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"setterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. </p>
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.",
"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
"variableDeclarationType" : "java.util.List<AdditionalLimit>"
}
"variableName" : "additionalLimits",
"variableType" : "java.util.List<AdditionalLimit>",
"documentation" : null,
"simpleType" : "List<AdditionalLimit>",
"variableSetterType" : "java.util.Collection<AdditionalLimit>"
},
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  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : '<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . </p>
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>"
},
"xmlNameSpaceUri" : null
},
"InstanceLimits" : {
  "beanStyleGetterMethodName" : "getInstanceLimits",
  "beanStyleSetterMethodName" : "setInstanceLimits",
  "c2jName" : "InstanceLimits",
  "c2jShape" : "InstanceLimits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.
This is a convenience that creates an instance of the {@link InstanceLimits.Builder} avoiding the need to
create one manually via {@link InstanceLimits#builder()}. When the {@link Consumer} completes, {
@link
InstanceLimits.Builder#build()} is called immediately and its result is passed to {
@link
#instanceLimits(InstanceLimits)}. @param instanceLimits a consumer that will call methods on {
@link
InstanceLimits.Builder}@return Returns a reference to this object so that method calls can be chained
together.@see #instanceLimits(InstanceLimits)"
, "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
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  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "instanceLimits",
  "fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.
@note instanceLimits The new value for the InstanceLimits property for this object.@note The value of
the InstanceLimits property for this object.@note The value of the InstanceLimits property for this object.",
  "fluentSetterMethodName" : "instanceLimits",
  "getterDocumentation" : "Returns the value of the InstanceLimits property for this object.
@note The value of the InstanceLimits property for this object.",
  "getterModel" : {
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    "documentation" : null
  },
  "timestampFormat" : null
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    "additionalUnmarshallingPath": null,
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    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
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    "marshallLocationName": "InstanceLimits",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "InstanceLimits",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "InstanceLimits",
"setterDocumentation": "Sets the value of the InstanceLimits property for this object.\n\n@param instanceLimits The new value for the InstanceLimits property for this object.\n",
"setterMethodName": "setInstanceLimits",
"setterModel": {
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    "variableName": "instanceLimits",
    "variableType": "InstanceLimits",
    "documentation": null,
    "simpleType": "InstanceLimits",
    "variableSetterType": "InstanceLimits"
},
"simple": false,
"timestampFormat": null,
"variable": {
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    "variableName": "instanceLimits",
    "variableType": "InstanceLimits",
    "documentation": "",
    "simpleType": "InstanceLimits",
    "variableSetterType": "InstanceLimits"
},
"xmlNameSpaceUri": null
"StorageTypes" : {
    "beanStyleGetterMethodName" : "getStorageTypes",
    "beanStyleSetterMethodName" : "setStorageTypes",
    "c2jName" : "StorageTypes",
    "c2jShape" : "StorageTypeList",
    "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types
and attributes that are available for given InstanceType. </p>\nThis is a convenience that creates an instance of the
[ @link List<StorageType>.Builder] avoiding the need to create one manually via [ @link
List<StorageType>#builder()].\nWhen the { @link Consumer} completes, { @link
List<StorageType>.Builder#build()} is called immediately and its result is passed to { @link
#storageTypes(List<StorageType>)}.\n@see #storageTypes(List<StorageType>)",
    "deprecated" : false,
    "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available
for given InstanceType. </p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "storageTypes",
    "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that
are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related
types and attributes that are available for given InstanceType.
@return Returns a reference to this object so that method calls can be chained
together."
    "fluentSetterMethodName" : "storageTypes",
    "getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are
available for given InstanceType. </p>
Attempts to modify the collection returned by this method will result
in an UnsupportedOperationException.\n\n@see #storageTypes(List<StorageType>)",
    "getterModel" : {
        "returnType" : "java.util.List<StorageType>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "StorageTypes",
        "queryString" : false,
        "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types
and attributes that are available for given InstanceType. </p>\nThis is a convenience that creates an instance of the
[ @link List<StorageType>.Builder] avoiding the need to create one manually via [ @link
List<StorageType>#builder()].\nWhen the { @link Consumer} completes, { @link
List<StorageType>.Builder#build()} is called immediately and its result is passed to { @link
#storageTypes(List<StorageType>)}.\n@see #storageTypes(List<StorageType>)",
        "deprecated" : false,
        "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available
for given InstanceType. </p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "storageTypes",
        "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that
are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related
types and attributes that are available for given InstanceType.
@return Returns a reference to this object so that method calls can be chained
together."
        "fluentSetterMethodName" : "storageTypes",
        "getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are
available for given InstanceType. </p>
Attempts to modify the collection returned by this method will result
in an UnsupportedOperationException.\n\n@see #storageTypes(List<StorageType>)",
        "getterModel" : {
            "returnType" : "java.util.List<StorageType>",
            "documentation" : null
        },
        "http" : {
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            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "StorageTypes",
            "queryString" : false,
            "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types
and attributes that are available for given InstanceType. </p>\nThis is a convenience that creates an instance of the
[ @link List<StorageType>.Builder] avoiding the need to create one manually via [ @link
List<StorageType>#builder()].\nWhen the { @link Consumer} completes, { @link
List<StorageType>.Builder#build()} is called immediately and its result is passed to { @link
#storageTypes(List<StorageType>)}.\n@see #storageTypes(List<StorageType>)",
            "deprecated" : false,
            "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available
for given InstanceType. </p>",
            "enumType" : null,
            "eventHeader" : false,
            "eventPayload" : false,
            "fluentEnumGetterMethodName" : null,
            "fluentEnumSetterMethodName" : null,
            "fluentGetterMethodName" : "storageTypes",
            "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that
are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related
types and attributes that are available for given InstanceType.
@return Returns a reference to this object so that method calls can be chained
together."
            "fluentSetterMethodName" : "storageTypes",
            "getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are
available for given InstanceType. </p>
Attempts to modify the collection returned by this method will result
in an UnsupportedOperationException.\n\n@see #storageTypes(List<StorageType>)",
            "getterModel" : {
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                "documentation" : null
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            "http" : {
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                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocation" : "PAYLOAD",
                "marshallLocationName" : "StorageTypes",
                "queryString" : false,
                "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types
and attributes that are available for given InstanceType. </p>\nThis is a convenience that creates an instance of the
[ @link List<StorageType>.Builder] avoiding the need to create one manually via [ @link
List<StorageType>#builder()].\nWhen the { @link Consumer} completes, { @link
List<StorageType>.Builder#build()} is called immediately and its result is passed to { @link
#storageTypes(List<StorageType>)}.\n@see #storageTypes(List<StorageType>)",
                "deprecated" : false,
                "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available
for given InstanceType. </p>",
                "enumType" : null,
                "eventHeader" : false,
                "eventPayload" : false,
                "fluentEnumGetterMethodName" : null,
                "fluentEnumSetterMethodName" : null,
                "fluentGetterMethodName" : "storageTypes",
                "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that
are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related
types and attributes that are available for given InstanceType.
@return Returns a reference to this object so that method calls can be chained
together."
                "fluentSetterMethodName" : "storageTypes",
                "getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are
available for given InstanceType. </p>
Attempts to modify the collection returned by this method will result
in an UnsupportedOperationException.\n\n@see #storageTypes(List<StorageType>)",
                "getterModel" : {
                    "returnType" : "java.util.List<StorageType>",
                    "documentation" : null
                },
                "http" : {
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                    "additionalUnmarshallingPath" : null,
                    "flattened" : false,
                    "greedy" : false,
                    "header" : false,
                    "isPayload" : false,
                    "isStreaming" : false,
                    "location" : null,
                    "marshallLocation" : "PAYLOAD",
                    "marshallLocationName" : "StorageTypes",
                    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypes",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
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  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "StorageType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n[StorageType.Builder] avoiding the need to create one manually via \n[StorageType.Builder].\nWhen the \n[Consumer] completes, \n[StorageType.Builder] is called immediately and its result is passed to \n[StorageType.Builder].\n\n@see #member(StorageType)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(StorageType)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
    "getterModel" : {
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      "documentation" : null
    },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "StorageType",
  "variableName": "member",
  "variableType": "StorageType",
  "documentation": null,
  "simpleType": "StorageType",
  "variableSetterType": "StorageType"
},
"simple": false,
"timestampFormat": null,
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  "variableName": "member",
  "variableType": "StorageType",
  "documentation": "",
  "simpleType": "StorageType",
  "variableSetterType": "StorageType"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "StorageType",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>",
"templateType" : "java.util.List<StorageType>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypes",
"setterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.",
"setterMethodName" : "setStorageTypes",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<StorageType>",
  "variableName" : "storageTypes",
  "variableType" : "java.util.List<StorageType>",
  "documentation" : null,
  "simpleType" : "List<StorageType>",
  "variableSetterType" : "java.util.Collection<StorageType>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<StorageType>",
  "variableName" : "storageTypes",
  "variableType" : "java.util.List<StorageType>",
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getStorageTypes",
  ".beanStyleSetterMethodName" : "setStorageTypes",
  "c2jName" : "StorageTypes",
  "c2jShape" : "StorageTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
This is a convenience that creates an instance of the {@link List<StorageType>.Builder} avoiding the need to create one manually via {@link List<StorageType>#builder()}.

When the {@link Consumer} completes, {@link List<StorageType>.Builder#build()} is called immediately and its result is passed to {@link #storageTypes(List<StorageType>)}. Returns a reference to this object so that method calls can be chained together.
@see #storageTypes(List<StorageType>)",
  "deprecated" : false,
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available
for given InstanceType. 

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypes",
"fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType. Returned a reference to this object so that method calls can be chained together.,
"fluentSetterMethodName" : "storageTypes",
"getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p><p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. </p><p>@return StorageType represents the list of storage related types and attributes that are available for given InstanceType. 

"getterModel" : {
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   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
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   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "StorageTypes",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "StorageTypes",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
   "implType" : "java.util.ArrayList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2JName" : "member",
      "c2JShape" : "StorageType",
      "documentation" : null
   }
}
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [StorageType.Builder] avoiding the need to create one manually via StorageType.Builder(). When the Consumer completes, StorageType.Builder#build() is called immediately and its result is passed to member(StorageType). @param member a consumer that will call methods on StorageType.Builder

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(StorageType)

"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

"getterModel" : {
"returnType" : "StorageType",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "StorageType",
    "variableName" : "member",
    "variableType" : "StorageType",
    "documentation" : null,
    "simpleType" : "StorageType",
    "variableSetterType" : "StorageType"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "StorageType",
    "variableName" : "member",
    "variableType" : "StorageType",
    "documentation" : null,
    "simpleType" : "StorageType",
    "variableSetterType" : "StorageType"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "StorageType",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>",
"templateType" : "java.util.List<StorageType>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypes",
"setterDocumentation" : "StorageType represents the list of storage related types and attributes that are available for given InstanceType.\n@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType."
"setterMethodName" : "setStorageTypes",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<StorageType>",
    "variableName" : "storageTypes",
    "variableType" : "java.util.List<StorageType>",
    "documentation" : null,
"simpleType" : "List<StorageType>",
"variableSetterType" : "java.util.Collection<StorageType>
}
,
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<StorageType>",
"variableName" : "storageTypes",
"variableType" : "java.util.List<StorageType>",
"documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
"simpleType" : "List<StorageType>",
"variableSetterType" : "java.util.Collection<StorageType>"
},
"xmlNameSpaceUri" : null
},

"c2jName" : "InstanceLimits",
"c2jShape" : "InstanceLimits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n
This is a convenience that creates an instance of the {@link InstanceLimits.Builder} avoiding the need to create one manually via {@link InstanceLimits.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link InstanceLimits.Builder#build()} is called immediately and its result is passed to {@link #instanceLimits(InstanceLimits)}.\n\n@param instanceLimits a consumer that will call methods on {@link InstanceLimits.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #instanceLimits(InstanceLimits)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n\n@see #instanceLimits(InstanceLimits)
The new value for the InstanceLimits property for this object.\n\n@param instanceLimits The new value for the InstanceLimits property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #instanceLimits(InstanceLimits)",
"getterDocumentation" : "Returns the value of the InstanceLimits property for this object.\n\n@see #instanceLimits(InstanceLimits)
The value of the InstanceLimits property for this object.\n\n@return The value of the InstanceLimits property for this object."
,"getterModel" : {
"returnType" : "InstanceLimits",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceLimits",
"setterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n\n@returns {InstanceLimits} The new value for the InstanceLimits property for this object."
  "setterMethodName" : "setInstanceLimits",
  "setterModel" : {
    "variableDeclarationType" : "InstanceLimits",
    "variableName" : "instanceLimits",
    "variableType" : "InstanceLimits",
    "documentation" : null,
    "simpleType" : "InstanceLimits",
    "variableSetterType" : "InstanceLimits"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "InstanceLimits",
    "variableName" : "instanceLimits",
    "variableType" : "InstanceLimits",
    "documentation" : "",
    "simpleType" : "InstanceLimits",
    "variableSetterType" : "InstanceLimits"
  },
  "xmlNameSpaceUri" : null
},
{  "beanStyleGetterMethodName" : "getAdditionalLimits",
  "beanStyleSetterMethodName" : "setAdditionalLimits",
  "c2jName" : "AdditionalLimits",}
"c2jShape" : "AdditionalLimitList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code>. This is a convenience that creates an instance of the {<link List<AdditionalLimit>.Builder> avoiding the need to create one manually via {<link List<AdditionalLimit>#builder()} When the {<link Consumer> completes, {<link List<AdditionalLimit>.Builder#build()} is called immediately and its result is passed to {<link #additionalLimits(List<AdditionalLimit>)}}. @param additionalLimits a consumer that will call methods on {<link List<AdditionalLimit>.Builder}> Returns a reference to this object so that method calls can be chained together. @see #additionalLimits(List<AdditionalLimit>)",

deprecated" : false,
"documentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code>. "
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code>. @param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code>. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. @return List of additional limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code>.",
"getterModel" : {
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
This is a convenience that creates an instance of the `AdditionalLimit.Builder` avoiding the need to create one manually via `AdditionalLimit.Builder().` When the `Consumer` completes, `AdditionalLimit.Builder#build()` is called immediately and its result is passed to `#member(AdditionalLimit).` @param member a consumer that will call methods on `AdditionalLimit.Builder` @return Returns a reference to this object so that method calls can be chained together.

The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

The value of the Member property for this object.

@returns The value of the Member property for this object.

"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : null,
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : "",
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>"
},
"map" : false,
"mapModel" : null,
"marshallerType" : "LIST",
"name" : "AdditionalLimits",
"setterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>.<p>

@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>.",

"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>.</p>

"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Limits",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Limits",
  "variableName" : "limits",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
"wrapper" : false
},
"ListDomainNamesRequest" : {
  "c2jName" : "ListDomainNamesRequest"
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "ListDomainNames",
  "locationName" : null,
  "requestUri" : "/2015-01-01/domain",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListDomainNamesRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ListDomainNamesRequest",
  "variableName" : "listDomainNamesRequest",
  "variableType" : "ListDomainNamesRequest",
  "documentation" : null,
  "simpleType" : "ListDomainNamesRequest",
  "variableSetterType" : "ListDomainNamesRequest"
},
"wrapper" : false
},
"ListDomainNamesResponse" : {
  "c2jName" : "ListDomainNamesResponse",}
"customization": {  
  "artificialResultWrapper": null,  
  "skipGeneratingMarshaller": false,  
  "skipGeneratingModelClass": false,  
  "skipGeneratingUnmarshaller": false,  
  "staxTargetDepthOffset": 0  
},  
"deprecated": false,  
"documentation": "<p>The result of a <code>ListDomainNames</code> operation. Contains the names of all 
Elasticsearch domains owned by this account.</p>",  
"enums": null,  
"errorCode": null,  
"event": false,  
"eventStream": false,  
"explicitEventPayloadMember": false,  
"hasHeaderMember": false,  
"hasPayloadMember": false,  
"hasStatusCodeMember": false,  
"hasStreamingMember": false,  
"httpStatusCode": null,  
"marshaller": null,  
"members": [  
  "beanStyleGetterMethodName": "getDomainNames",  
  "beanStyleSetterMethodName": "setDomainNames",  
  "c2jName": "DomainNames",  
  "c2jShape": "DomainInfoList",  
  "defaultConsumerFluentSetterDocumentation": "<p>List of Elasticsearch domain names.</p>\nThis is a 
convenience that creates an instance of the {@link List<DomainInfo>.Builder} avoiding the need to create one 
manually via {@link List<DomainInfo>#builder()}.\nWhen the {@link Consumer} completes, {@link 
List<DomainInfo>.Builder#build()} is called immediately and its result is passed to 
{@link #domainNames(List<DomainInfo>)}.\n@see #domainNames(List<DomainInfo>)\n@param domainNames a consumer that will call methods on 
{@link List<DomainInfo>.Builder}\n@return Returns a reference to this object so that method calls can be chained 
together.\n@see #domainNames(List<DomainInfo>)",  
  "deprecated": false,  
  "documentation": "<p>List of Elasticsearch domain names.</p>\nAttempts to modify the 
collection returned by this method will result in an 
UnsupportedOperationException.\n@see #domainNames(List<DomainInfo>)\n@param domainNames List of 
Elasticsearch domain names.\n@return Returns a reference to this object so that method calls can be chained 
together.\n@see #domainNames(List<DomainInfo>)",  
  "enumType": null,  
  "eventHeader": false,  
  "eventPayload": false,  
  "fluentEnumGetterMethodName": null,  
  "fluentEnumSetterMethodName": null,  
  "fluentGetterMethodName": "domainNames",  
  "fluentSetterDocumentation": "<p>List of Elasticsearch domain names.</p>\nAttempts to modify the 
collection returned by this method will result in an 
UnsupportedOperationException.\n@see #domainNames(List<DomainInfo>)\n@param domainNames List of 
Elasticsearch domain names.\n@return Returns a reference to this object so that method calls can be chained 
together.\n@see #domainNames(List<DomainInfo>)",  
  "getterDocumentation": "<p>List of Elasticsearch domain names.</p>\nAttempts to modify the 
collection returned by this method will result in an 
UnsupportedOperationException.\n@see #domainNames(List<DomainInfo>)\n@param domainNames List of 
Elasticsearch domain names.\n@return Returns a reference to this object so that method calls can be chained 
together."  
]
"getterModel" : {
"returnType" : "java.util.List<DomainInfo>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainNames",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainNames",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "DomainInfo",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link DomainInfo.Builder} avoiding the need to create one manually via {@link DomainInfo#builder()}. When the [{@link Consumer} completes, [{@link DomainInfo.Builder#build()}] is called immediately and its result is passed to [{@link #member(DomainInfo)}].

@see #member(DomainInfo)
@link DomainInfo.Builder
@link DomainInfo
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()

@link Consumer
@link DomainInfo.Builder#build()
@link DomainInfo.Builder#build()

@link Consumer
@link DomainInfo.Builder#build()
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@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()"
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@link #member(DomainInfo)
@link DomainInfo
@link DomainInfo.Builder
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()
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@link Consumer
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()
@link Consumer
@link DomainInfo.Builder#build()"}
The new value for the Member property for this object.

@returns
A reference to this object so that method calls can be chained together.

 fluenterSetterMethodName": "member",

"getterDocumentation": "Returns the value of the Member property for this object.

@returns
The value of the Member property for this object.

getterModel": {

"returnType": "DomainInfo",

documentation": null
}

http": {

"additionalMarshallingPath": null,

"additionalUnmarshallingPath": null,

"flattened": false,

"greedy": false,

"header": false,

"isPayload": false,

"isStreaming": false,

"location": null,

"marshallLocation": "PAYLOAD",

"marshallLocationName": "member",

"queryString": false,

"statusCode": false,

"unmarshallLocationName": "member",

"uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "SDK_POJO",

"name": "Member",

"setterDocumentation": "Sets the value of the Member property for this object.

@returns
The new value for the Member property for this object.

setterMethodName": "setMember",

setterModel": {

"variableDeclarationType": "DomainInfo",

"variableName": "member",

"variableType": "DomainInfo",

"documentation": null,

"simpleType": "DomainInfo",

"variableSetterType": "DomainInfo"
},

"simple": false,

"timestampFormat": null,

"variable": {

"version": "11.5(1)

"platform": "14155"
"variableDeclarationType" : "DomainInfo",
"variableName" : "member",
"variableType" : "DomainInfo",
"documentation" : "",
"simpleType" : "DomainInfo",
"variableSetterType" : "DomainInfo"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"setterDocumentation" : "<p>List of Elasticsearch domain names.</p>\n@param domainNames List of Elasticsearch domain names."
,"setterMethodName" : "setDomainNames",
"setterModel" : {
"variableDeclarationType" : "java.util.List<DomainInfo>",
"variableName" : "domainNames",
"variableType" : "java.util.List<DomainInfo>",
"documentation" : null,
"simpleType" : "List<DomainInfo>",
"variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<DomainInfo>",
"variableName" : "domainNames",
"variableType" : "java.util.List<DomainInfo>",
"documentation" : "<p>List of Elasticsearch domain names.</p>"",
"simpleType" : "List<DomainInfo>",
"variableSetterType" : "java.util.Collection<DomainInfo>"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"DomainNames" : {
}
"defaultConsumerFluentSetterDocumentation": 
"<p>List of Elasticsearch domain names.</p>
This is a convenience that creates an instance of the {
@link List<DomainInfo>.Builder} avoiding the need to create one manually via {
@link List<DomainInfo>#builder()}. When the {
@link Consumer} completes, {
@link List<DomainInfo>.Builder#build()} is called immediately and its result is passed to {
@link #domainNames(List<DomainInfo>)}. Returns a reference to this object so that method calls can be chained together.

@deprecated
@see #domainNames(List<DomainInfo>)",
"documentation": 
"<p>List of Elasticsearch domain names.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of Elasticsearch domain names.

"getterModel": {
"returnType": "java.util.List<DomainInfo>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainNames",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainNames",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainInfo",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link DomainInfo.Builder] avoiding the need to create one manually via [link DomainInfo.Builder]. When the [link Consumer] completes, [link DomainInfo.Builder#build()] is called immediately and its result is passed to [link #member(DomainInfo)].
@param member a consumer that will call methods on [link DomainInfo.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(DomainInfo)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "DomainInfo",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
  }
}
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "DomainInfo",
"variableName" : "member",
"variableType" : "DomainInfo",
"documentation" : null,
"simpleType" : "DomainInfo",
"variableSetterType" : "DomainInfo" 
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "DomainInfo",
"variableName" : "member",
"variableType" : "DomainInfo",
"documentation" : "",
"simpleType" : "DomainInfo",
"variableSetterType" : "DomainInfo"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST"
"name" : "DomainNames",
"setterDocumentation" : "<p>List of Elasticsearch domain names.</p>
@param domainNames List of Elasticsearch domain names."

"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : null,
  "simpleType" : "List<DomainInfo>",
  "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : "<p>List of Elasticsearch domain names.</p>
  @param domainNames List of Elasticsearch domain names.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #domainNames(List<DomainInfo>)",
  "deprecated" : false,
  "documentation" : "<p>List of Elasticsearch domain names.</p>
  @param domainNames List of Elasticsearch domain names.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #domainNames(List<DomainInfo>)",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "domainNames",
  "fluentEnumSetterMethodName" : "domainNames",
  "fluentGetterMethod" : "domainNames",
  "fluentSetterDocumentation" : "<p>List of Elasticsearch domain names.</p>
  @param domainNames List of Elasticsearch domain names.
  @return Returns a reference to this object so that method calls can be chained together."}
"getterDocumentation" : "<p>List of Elasticsearch domain names. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

@return List of Elasticsearch domain names."

"getterModel" : {
  "returnType" : "java.util.List<DomainInfo>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainNames",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainNames",
  "uri" : false
},

"idempotencyToken" : false,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainInfo",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the{@link DomainInfo.Builder}avoiding the need to create one manually via{@link DomainInfo#builder()}.When the{@link Consumer} completes,{@link DomainInfo.Builder#build()}is called immediately and its result is passed to{@link #member(DomainInfo)}.\n\n@see #member(DomainInfo)"
  },
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
getterModel" : {
  "returnType" : "DomainInfo",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
setterModel" : {
  "variableDeclarationType" : "DomainInfo",
  "variableName" : "member",
  "variableType" : "DomainInfo",
  "documentation" : null,
  "simpleType" : "DomainInfo",
  "variableSetterType" : "DomainInfo"
}.

"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "DomainInfo",
    "variableName" : "member",
    "variableType" : "DomainInfo",
    "documentation" : "",
    "simpleType" : "DomainInfo",
    "variableSetterType" : "DomainInfo"
}
"xmlNameSpaceUri" : null
},

"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"setterDocumentation" : "List of Elasticsearch domain names.\n\n@param domainNames List of Elasticsearch domain names.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<DomainInfo>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<DomainInfo>",
    "documentation" : null,
    "simpleType" : "List<DomainInfo>",
    "variableSetterType" : "java.util.Collection<DomainInfo>"
}
,
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<DomainInfo>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<DomainInfo>",
    "documentation" : "List of Elasticsearch domain names.\n\nList of Elasticsearch domain names.",
    "simpleType" : "List<DomainInfo>",
    "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"xmlNameSpaceUri" : null
}
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListDomainNamesResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ListDomainNamesResponse",
  "variableName" : "listDomainNamesResponse",
  "variableType" : "ListDomainNamesResponse",
  "documentation" : null,
  "simpleType" : "ListDomainNamesResponse",
  "variableSetterType" : "ListDomainNamesResponse"
},
"wrapper" : false
},
"ListElasticsearchInstanceTypesRequest" : {
  "c2jName" : "ListElasticsearchInstanceTypesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for the parameters to the <code><a>ListElasticsearchInstanceTypes</a></code> operation. </p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "ListElasticsearchInstanceTypes",
    "locationName" : null,
    "requestUri" : "2015-01-01/es/instanceTypes/{ElasticsearchVersion}"
  },
  "target" : null,
Version of Elasticsearch for which list of supported elasticsearch instance types are needed. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder().

When the Consumer completes, String.Builder#build() is called immediately and its result is passed to ElasticsearchVersion(String).

@see #elasticsearchVersion(String)

Version of Elasticsearch for which list of supported elasticsearch instance types are needed. Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchVersion(String)
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "&lt;p&gt;Version of Elasticsearch for which list of supported elasticsearch instance types are needed. &lt;/p&gt;&lt;@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.\",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;Version of Elasticsearch for which list of supported elasticsearch instance types are needed. &lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. &lt;/p&gt;&lt;@param domainName a consumer that will call methods on \"}
String.Builder

@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

deprecated : false,
documentation : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

enumType : null,
eventHeader : false,
eventPayload : false,
fluentEnumGetterMethodName : null,
fluentEnumSetterMethodName : null,
fluentGetterMethodName : "domainName",
fluentSetterDocumentation : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

getterDocumentation : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

getterModel : {
  returnType : "String",
documentation : null
},
http : {
  additionalMarshallingPath : null,
  additionalUnmarshallingPath : null,
  flattened : false,
greedy : false,
header : false,
isPayload : false,
isStreaming : false,
location : "querystring",
marshallLocation : "QUERY_PARAM",
marshallLocationName : "domainName",
queryString : true,
statusCode : false,
unmarshallLocationName : "domainName",
uri : false
},
idempotencyToken : false,
isBinary : false,
jsonValue : false,
list : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
@\param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
</p>
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. 
\nThis is a convenience that creates an instance of the \{ @\link Integer.Builder\} avoiding the need to create one manually via \{ @\link Integer#builder()\}. When the \{ @\link Consumer\} completes, \{ @\link Integer.Builder#build()\} is called immediately and its result is passed to \{ @\link #setMaxResults(Integer)\}. @\param maxResults a consumer that will call methods on \{ @\link Integer.Builder\}@\return Returns a reference to this object so that method calls can be chained together.@\see #setMaxResults(Integer)",
"deprecated" : false,
"documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. 
</p>"
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterMethodName": "maxResults",
"fluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. 
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@return Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "maxResults",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"setterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer"
"variableName": "maxResults",
"variableType": "Integer",
"documentation": null,
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link String.Builder#build(String)}.
@see
#nextToken(String)

"deprecated": false,
"documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
@see
#nextToken(String)

"getterModel": {
"getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
@see
#nextToken(String)

"getterModel": {
"getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
@see
#nextToken(String)

"getterModel": {
"getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
@see
#nextToken(String)"}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",
  "setterMethodName" : "setNextToken",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. This is a convenience that creates an instance of the \{ @link String.Builder} avoiding the need to create one manually via \{ @link String.Builder\}. When the \{ @link String.Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #domainName(String)\}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)\n
"deprecated" : false,
"documentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"getterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}.}
"xmlNameSpaceUri": null
},
"ElasticsearchVersion": {
"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultValue": null,
"deprecated": false,
"documentation": "Version of Elasticsearch for which list of supported elasticsearch instance types are needed. This is a convenience that creates an instance of the [ElasticsearchVersion] avoiding the need to create one manually via [String.Builder]. When the [String.Builder] completes, [String.Builder#build()] is called immediately and its result is passed to [ElasticsearchVersion(String)].

When the [String.Builder] completes, [String.Builder#build()] is called immediately and its result is passed to [ElasticsearchVersion(String)].

@see ElasticsearchVersion(String)",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchVersion",
"fluentSetterDocumentation": "Version of Elasticsearch for which list of supported elasticsearch instance types are needed. Version of Elasticsearch for which list of supported elasticsearch instance types are needed. Version of Elasticsearch for which list of supported elasticsearch instance types are needed. Version of Elasticsearch for which list of supported elasticsearch instance types are needed. Version of Elasticsearch for which list of supported elasticsearch instance types are needed.

@see ElasticsearchVersion(String)",
"getterDocumentation": "Version of Elasticsearch for which list of supported elasticsearch instance types are needed.

@see ElasticsearchVersion(String)",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "uri",
"marshallLocation": "PATH",
"marshallLocationName": "ElasticsearchVersion",
"queryString": false,
"statusCode": false,
"statusString": false,
"statusValue": false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types
are needed. </p>\n@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch
instance types are needed.",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : "Version of Elasticsearch for which list of supported elasticsearch instance types are
needed. </p>"",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
    "beanStyleGetterMethodName" : "getMaxResults",
    "beanStyleSetterMethodName" : "setMaxResults",
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value
provided must be greater than 30 else it wont be honored. </p>\nThis is a convenience that creates an instance
of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}.\nWhen
the { @link Integer.Builder} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to
{ @link #maxResults(Integer)}.\n@param maxResults a consumer that will call methods on { @link
Integer.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see

# maxResults(Integer)

- "deprecated": false,
- "documentation": "\nSet this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored. \n\n\n\</p>"",
- "enumType": null,
- "eventHeader": false,
- "eventPayload": false,
- "fluentEnumGetterMethodName": null,
- "fluentEnumSetterMethodName": null,
- "fluentGetterMethodName": "maxResults",
- "fluentSetterDocumentation": "\nSet this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored. \n\n\n\</p>\n@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.\n\n@return Returns a reference to this object so that method calls can be chained together.",
- "fluentSetterMethodName": "maxResults",
- "getterDocumentation": "\nSet this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored. \n\n\n\</p>\n@return Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored."
- "getterModel": {
  "returnType": "Integer",
  "documentation": null
},
- "http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "maxResults",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
},
- "idempotencyToken": false,
- "isBinary": false,
- "jsonValue": false,
- "list": false,
- "listModel": null,
- "map": false,
- "mapModel": null,
- "marshallingType": "INTEGER",
- "name": "MaxResults",
- "setterDocumentation": "\nSet this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.\n\n:return Returns a reference to this object so that method calls can be chained together."
- "setterModel": {
  "returnType": "Integer",
  "getterModel": null
},
- "type": "INTEGER",
- "isUnknownUnionMember": false
}
greater than 30 else it wont be honored. 

@ param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.

"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. "
},
"xmlNameSpaceUri" : null

"NextToken" : {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "NextToken",
    "defaultConsumerFluentSetterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. 

This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #nextToken(String)].

@ param nextToken a consumer that will call methods on [ @link String.Builder]

@ see #nextToken(String)

@ deprecated" : false,
"documentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. 

@ enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : "null",
"fluentGetterMethodName" : "null",
"fluentSetterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. 

@ param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. 

@ return Returns a reference to this object so that method calls can be chained together.

@ see #nextToken(String)"
this object so that method calls can be chained together.

"fluentSetterMethodName" : "nextToken",
"setterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination. </p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getElasticsearchVersion",
    "beanStyleSetterMethodName" : "setElasticsearchVersion",
    "c2jName" : "ElasticsearchVersion",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported
elasticsearch instance types are needed. </p>
This is a convenience that creates an instance of the [@link
String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link
#elasticsearchVersion(String)].
@non param elasticsearchVersion a consumer that will call methods on [@link
String.Builder]
@return Returns a reference to this object so that method calls can be chained together.@non see
#elasticsearchVersion(String)
",
    "deprecated" : false,
    "documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are
needed. </p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "elasticsearchVersion",
    "fluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance
types are needed. </p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported
elasticsearch instance types are needed.
@return Returns a reference to this object so that method calls can be chained together.
",
    "fluentSetterMethodName" : "elasticsearchVersion",
    "getterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance
types are needed. </p>
@return Version of Elasticsearch for which list of supported elasticsearch instance types are
needed.
",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
    },
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDomainName",
"defaultConsumerFluentSetterDocumentation" : ",<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link #builder()].

When the [@link Consumer] completes, [@link #build()] is called immediately and its result is passed to [@link #domainName(String)].

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"getterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "marshallSetterMethodName" : "domainName",
  "namespace" : null,
  "serializationPluginUri" : null,
  "serviceId" : null,
  "serviceName" : null,
  "soapAction" : null,
  "httpMethod" : null,
  "type" : "simple",
  "typeModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"marshaller" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "marshallSetterMethodName" : "domainName",
  "namespace" : null,
  "serializationPluginUri" : null,
  "serviceId" : null,
  "serviceName" : null,
  "soapAction" : null,
  "httpMethod" : null,
  "type" : "simple",
  "typeModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"marshallerMap" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "marshallSetterMethodName" : "domainName",
  "namespace" : null,
  "serializationPluginUri" : null,
  "serviceId" : null,
  "serviceName" : null,
  "soapAction" : null,
  "httpMethod" : null,
  "type" : "simple",
  "typeModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}

"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link #builder()].

When the [@link Consumer] completes, [@link #build()] is called immediately and its result is passed to [@link #domainName(String)].

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"getterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

@returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "marshallSetterMethodName" : "domainName",
  "namespace" : null,
  "serializationPluginUri" : null,
  "serviceId" : null,
  "serviceName" : null,
  "soapAction" : null,
  "httpMethod" : null,
  "type" : "simple",
  "typeModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"marshaller" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "marshallSetterMethodName" : "domainName",
  "namespace" : null,
  "serializationPluginUri" : null,
  "serviceId" : null,
  "serviceName" : null,
  "soapAction" : null,
  "httpMethod" : null,
  "type" : "simple",
  "typeModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"marshallerMap" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "marshallSetterMethodName" : "domainName",
  "namespace" : null,
  "serializationPluginUri" : null,
  "serviceId" : null,
  "serviceName" : null,
  "soapAction" : null,
  "httpMethod" : null,
  "type" : "simple",
  "typeModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

```
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
```

```java

```
of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When
the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to
{@link #maxResults(Integer)}. @param maxResults a consumer that will call methods on {@link Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #maxResults(Integer).

  "deprecated": false,
  "documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater
  than 30 else it won't be honored. </p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "maxResults",
  "fluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be
greater than 30 else it won't be honored. </p>
  @param maxResults Set this value to limit the number of results returned. Value provided must be
greater than 30 else it won't be honored.@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "maxResults",
  "getterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be
greater than 30 else it won't be honored. </p>
  @return Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.",
  "getterModel": {
    "returnType": "Integer",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "querystring",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "maxResults",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "maxResults",
    "uri": false
  },
  "idempotencyToken": false,
  "isBinary": false,
  "jsonValue": false,
  "list": false,
  "listModel": null,
  "map": false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()]. When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #nextToken(String)].
@param nextToken a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
NextToken should be sent in case if earlier API call produced result containing

NextToken. It is used for pagination. &lt;/p&gt;

"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ElasticsearchVersion" ],
"shapeName" : "ListElasticsearchInstanceTypesRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
"variableName" : "listElasticsearchInstanceTypesRequest",
"variableType" : "ListElasticsearchInstanceTypesRequest",
"documentation" : null,
"simpleType" : "ListElasticsearchInstanceTypesRequest",
"variableSetterType" : "ListElasticsearchInstanceTypesRequest"
},
"wrapper" : false
},
"ListElasticsearchInstanceTypesResponse" : {
"c2jName" : "ListElasticsearchInstanceTypesResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "&lt;p&gt; Container for the parameters returned by &lt;code&gt;&lt;a href='ListElasticsearchInstanceTypes'&gt;&lt;/a&gt; &lt;/code&gt; operation. &lt;/p&gt;",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsStrings",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
  "c2jName" : "ElasticsearchInstanceTypes",
  "c2jShape" : "ElasticsearchInstanceTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/code&gt; &lt;/p&gt;\nThis is a convenience that creates an instance of the {&lt;link List&lt;String&gt;&gt;#builder()} avoiding the need to create one manually via {&lt;link List&lt;String&gt;&gt;#builder()}.\nWhen the {&lt;link Consumer&gt;} completes, {&lt;link List&lt;String&gt;&gt;#build()} is called immediately and its result is passed to {&lt;link ElasticsearchInstanceTypesAsStrings(List&lt;String&gt;&gt;)}.\n@param ElasticsearchInstanceTypes a consumer that will call methods on {&lt;link List&lt;String&gt;&gt;#builder()}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchInstanceTypesWithStrings(List&lt;String&gt;&gt;)",
  "deprecated" : false,
  "documentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/code&gt; &lt;/p&gt;",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
  "fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
  "fluentSetterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/code&gt; &lt;/p&gt;\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/code&gt;\n@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "elasticsearchInstanceTypesWithStrings",
  "getterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/code&gt; &lt;/p&gt;\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/code&gt;\n@returns Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : { 
    "returnType" : "java.util.List&lt;String&gt;",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@see ESPartitionInstanceType",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"setterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given<br/>
<code><a>ElasticsearchVersion</a></code></p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code>",
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code></p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>In case if there are more results available NextToken
would be present, make further request to the same API with received NextToken to paginate remaining results.<br/>
In this is a convenience that creates an instance of the {<link String.Builder> avoiding the need to create one
manually via {<link String#builder()}\nWhen the {<link Consumer> completes, {<link String.Builder#build()})
is called immediately and its result is passed to {<link #nextToken(String))
\n@param nextToken a consumer that
will call methods on {
@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)

"deprecated" : false,
"documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@param nextToken In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@return In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallerType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@param nextToken
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
", "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]

"membersAsMap" : {
  "ElasticsearchInstanceTypes" : {
    "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsStrings",
    "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
    "c2jName" : "ElasticsearchInstanceTypes",
    "c2jShape" : "ElasticsearchInstanceTypeList",
    "defaultConsumerFluentSetterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> 
</p>&lt;/p&gt;&lt;h3&gt;This is a convenience that creates an instance of the {<a>List&lt;String&gt;</a>.Builder} avoiding the need to create one manually via {<a>List&lt;String&gt;</a>#builder()}.
When the {<a>Consumer</a>} completes, {<a>List&lt;String&gt;</a>.Builder#build()} is called immediately and its result is passed to {<a>List</a> &lt;<a>ElasticsearchInstanceTypes</a>&gt;&lt;<a>AsStrings</a>&lt;&lt;a>List&lt;String&gt;</a>&gt;)}.
@return Returns a reference to this object so that method calls can be chained together.
@see &lt;<a>ElasticsearchInstanceTypesWithStrings</a>&lt;&lt;a>List&lt;String&gt;</a>&gt;
",
    "deprecated" : false,
    "documentation" : "&lt;p>List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt; &lt;/p&gt;

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
"fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
"fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
"fluentSetterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchInstanceTypesWithStrings",
"getterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code>",
"returnModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceTypes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceTypes",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMemberAsString",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link
#memberAsString(String)}.
@param member a consumer that will call methods on { @link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)

"deprecated" : false,
"documentation" : "",
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "member",
"fluentEnumSetterMethodName" : "member",
"fluentGetterMethodName" : "memberAsString",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see ESPartitionInstanceType\n@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"fluentSetterMethodName" : "member",
"getDocumentation" : "Returns the value of the Member property for this object.

If the service returns an enum value that is not available in the current SDK version, { @link #member} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #memberAsString}.\n
@return The value of the Member property for this object.
@see ESPartitionInstanceType",
"getModel" : {,
"returnType" : "String",
"documentation" : null
},
"http" : {,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING"}
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

@see ESPartitionInstanceType",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>",
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "ElasticsearchInstanceTypes",
"setterDocumentation": "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>

@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code>

@see ElasticsearchInstanceTypes",
"setterMethodName": "setElasticsearchInstanceTypesWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "elasticsearchInstanceTypes",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
"variableSetterType" : "java.util.Collection<String>>
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>>",
  "documentation" : "List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code>,
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
"documentatation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. <p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
"getterModel" : {
  "returnType" : "String",  
"deprecated" : false,
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@param nextToken
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."
,"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsStrings",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
  "c2jName" : "ElasticsearchInstanceTypes",
  "c2jShape" : "ElasticsearchInstanceTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>
This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link #elasticsearchInstanceTypesAsStrings(List<String>)}. param elasticsearchInstanceTypes a consumer that will call methods on { @link List<String>.Builder}.

@see #elasticsearchInstanceTypesWithStrings(List<String>)",
  "deprecated" : false,
  "documentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
"fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
"fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
"fluentSetterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code>
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchInstanceTypesWithStrings(List<String>)",
  "getterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see #elasticsearchInstanceTypesWithStrings(List<String>)",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceTypes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceTypes",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMemberAsString",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "ESPartitionInstanceType",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #memberAsString(String)].

        @param member a consumer that will call methods on [link String.Builder]
        @return Returns a reference to this object so that method calls can be chained together.
        @see #member(String)
    }
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "ESPartitionInstanceType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "member",
    "fluentEnumSetterMethodName" : "member",
    "fluentGetterMethodName" : "memberAsString",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #memberAsString(String)].

        @param member a consumer that will call methods on [link String.Builder]
        @return Returns a reference to this object so that method calls can be chained together.
        @see #member(String)
    }
    "getterDocumentation" : "Returns the value of the Member property for this object.\n    If the service returns an enum value that is not available in the current SDK version, [link #member] will return [link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [link #memberAsString].\n    @return The value of the Member property for this object.\n    @see ESPartitionInstanceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    }
}
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : " Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n@see EPartitionInstanceType",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"setterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given
<code><a>ElasticsearchVersion</a></code></p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given
<code><a>ElasticsearchVersion</a></code>
",
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given
<code><a>ElasticsearchVersion</a></code></p",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
",
"xmlNameSpaceUri" : null
}
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>In case if there are more results available NextToken
would be present, make further request to the same API with received NextToken to paginate remaining results.
</p>"\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one
manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()}
is called immediately and its result is passed to `@link #nextToken(String)\n@param nextToken a consumer that will call methods on `@link String.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)`

```
"deprecated" : false,
"documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethod" : "nextToken",
"fluentSetterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@param nextToken In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@return In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"setterDocumentation": "\n\nIn case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. \n\n@param nextToken
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.\n",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "\n  In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. \n",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "ListElasticsearchInstanceTypesResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ListElasticsearchInstanceTypesResponse",
  "variableName": "listElasticsearchInstanceTypesResponse",
  "variableType": "ListElasticsearchInstanceTypesResponse",
  "documentation": null,
  "simpleType": "ListElasticsearchInstanceTypesResponse",
  "variableSetterType": "ListElasticsearchInstanceTypesResponse"
},
"wrapper": false
}
"ListElasticsearchVersionsRequest" : {
  "c2jName" : "ListElasticsearchVersionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for the parameters to the <code>&lt;a href="ListElasticsearchVersions"&gt;</a>&lt;/code&gt; operation. Use &lt;code>&lt;a href="MaxResults"&gt;</a>&lt;/code&gt; to control the maximum number of results to retrieve in a single call. Use &lt;code>&lt;a href="NextToken"&gt;</a>&lt;/code&gt; in response to retrieve more results. If the received response does not contain a NextToken, then there are no more results to retrieve. &lt;/p&gt;&lt;/p&gt;",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "ListElasticsearchVersions",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/versions",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "beanStyleGetterMethodName" : "getMaxResults",
      "beanStyleSetterMethodName" : "setMaxResults",
      "c2jName" : "MaxResults",
      "c2jShape" : "MaxResults",
      "defaultConsumerFluentSetterDocumentation" : "Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. \n\nThis is a convenience that creates an instance of the \n{ @link Integer.Builder } avoiding the need to create one manually via \n{ @link Integer#builder() }\n\nWhen the \n{ @link Consumer } completes, \n{ @link Integer.Builder#build() } is called immediately and its result is passed to \n{ @link #maxResults(Integer) }\n\n@see #maxResults(Integer)",
      "deprecated" : false,
      "documentation" : "Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. \n\n@see #maxResults(Integer)",
      "enumType" : null,
    }
  ]
}
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@return Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"isBinary" : false,
"isModuleName" : false,
"isPayload" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
"Http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via { @link String.Builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #nextToken(String) }.
@param nextToken a consumer that will call methods on { @link String.Builder }\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.
The new value for the NextToken property for this object.
@see #nextToken(String)",
"getterDocumentation" : "Returns the value of the NextToken property for this object.
The value of the NextToken property for this object.
@see #nextToken(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "nextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.\n",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"MaxResults" : {
  "beanStyleGetterMethodName" : "getMaxResults",
  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
  This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder}.
  When the { @link Consumer} completes, { @link Integer.Builder#build} is called immediately and its result is passed to { @link #maxResults(Integer)}.<br>
  @param maxResults a consumer that will call methods on { @link Integer.Builder}<br>
  @return Returns a reference to this object so that method calls can be chained together.<br>
  @see #maxResults(Integer)"
, 
  "deprecated" : false,
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maxResults",
  "fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
  @param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.<br>
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "maxResults",
  "getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
  @return Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "maxResults",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "maxResults",
    "uri" : false
  }
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. \n@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.\n\n@see #setMaxResults",
"setterMethodName" : "setMaxResults",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : null,
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maxResults",
   "variableType" : "Integer",
   "documentation" : "Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.\n   \n   @see #setMaxResults",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
   "beanStyleGetterMethodName" : "getNextToken",
   "beanStyleSetterMethodName" : "setNextToken",
   "c2jName" : "NextToken",
   "c2jShape" : "NextToken",
   "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n   This is a convenience that creates an instance of the { String.Builder} avoiding the need to create one manually via { String.Builder#build()}.\n   When the { String.Consumer} completes, { String.Builder#build() is called immediately and its result is passed to { NextToken(String)}\n   @param nextToken a consumer that will call methods on { String.Builder}\n   @return Returns a reference to this object so that method calls can be chained together.\n   @see #nextToken(String)"
   "deprecated" : false,
   "documentation" : "",

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"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object."

nextToken The new value for the NextToken property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object."

@returns The value of the NextToken property for this object.

getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object."

@returns The new value for the NextToken property for this object."

setterMethod" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String"
Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. This is a convenience that creates an instance of the \{link Integer.Builder\} avoiding the need to create one manually via \{link Integer#builder()\}. When the \{link Consumer\} completes, \{link Integer.Builder#build()\} is called immediately and its result is passed to \{link #maxResults(Integer)\}. A reference to this object so that method calls can be chained together.

- Method: maxResults
- Description: Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.

- Method: fluentMaxResults
- Description: Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.

- Method: getMaxResults
- Description: Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.

- Method: fluentGetMaxResults
- Description: Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.
"documentation": null,
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "maxResults",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"setterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>\n@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. ",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
  "simpleType": "Integer"}
"variableSetterType" : "Integer",
"xmlNameSpaceUri" : null,
{
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. @param nextToken a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n\nThe new value for the NextToken property for this object.@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.\n\n@return The value of the NextToken property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListElasticsearchVersionsRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ListElasticsearchVersionsRequest",
  "variableName" : "listElasticsearchVersionsRequest",
  "variableType" : "ListElasticsearchVersionsRequest",
  "documentation" : null,
  "simpleType" : "ListElasticsearchVersionsRequest",
  "variableSetterType" : "ListElasticsearchVersionsRequest"
},
"wrapper" : false}
"ListElasticsearchVersionsResponse": {
  "c2jName": "ListElasticsearchVersionsResponse",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p> Container for the parameters for response received from <code>\n  <a>ListElasticsearchVersions</a> </code> operation. </p>\n  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    {
      "beanStyleGetterMethodName": "getElasticsearchVersions",
      "beanStyleSetterMethodName": "setElasticsearchVersions",
      "c2jName": "ElasticsearchVersions",
      "c2jShape": "ElasticsearchVersionList",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the ElasticsearchVersions property for this\n    object.\n\n    This is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to\n    create one manually via [@link List<String>#builder()]. When the [@link Consumer] completes, [@link\n    List<String>.Builder#build()] is called immediately and its result is passed to [@link\n    ElasticsearchVersions(List<String>)].\n\n    @param elasticsearchVersions a consumer that will call methods on\n    [@link List<String>.Builder] and return a reference to this object so that method calls can be chained\n    together.\n\n    @return Returns a reference to this object so that method calls can be chained together.\n    "deprecated": false,
    "documentation": "",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "elasticsearchVersions",
    "fluentSetterDocumentation": "Sets the value of the ElasticsearchVersions property for this object.\n\n    The new value for the ElasticsearchVersions property for this object.\n\n    @return Returns a reference to this object so that method calls can be chained together."
  },
  "getterDocumentation": "ElasticsearchVersions",
  "name": "ListElasticsearchVersionsResponse",
  "namespace": "com.amazonaws.services.elasticsearch.model",
  "shapeName": "ListElasticsearchVersionsResponse"
}
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The value of the ElasticsearchVersions property for this object.

"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchVersions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchVersions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"JsonValue" : false,

"list" : true,

"ListModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "ElasticsearchVersionString",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create
one manually via {@link String.Builder#build()}. When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link
String.Builder#build()}.

@see #member(String)

@param member a consumer that will call methods on {@link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)

"deprecated" : false,

"documentation" : "",

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "member",

"fluentSetterMethodName" : "member"
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member
The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member
The new value for the Member property for this object.\n", "setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "ElasticsearchVersions",
"setterDocumentation": "Sets the value of the ElasticsearchVersions property for this object.\n\n@param
elasticsearchVersions The new value for the ElasticsearchVersions property for this object.\n",
"setterMethodName": "setElasticsearchVersions",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "elasticsearchVersions",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "elasticsearchVersions",
  "variableType": "java.util.List<String>",
  "documentation": "",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",

"defaultConsumerFluentSetterDocumentation": "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #nextToken(String) \}.\n
@see #nextToken(String)"

"deprecated": false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",

"fluentSetterDocumentation": "Sets the value of the NextToken property for this object.\n
Returns a reference to this object so that method calls can be chained together.\n
@see #nextToken(String)"

"fluentSetterMethodName": "nextToken",

"getterDocumentation": "Returns the value of the NextToken property for this object.\n
Returns a reference to this object so that method calls can be chained together."

"getterMethodName": "nextToken",

"getterDocumentation": "Returns the value of the NextToken property for this object.\n
The new value for the NextToken property for this object.\n
@see #nextToken(String)"

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NextToken",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "nextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.
@param nextToken The new value for the NextToken property for this object."

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ElasticsearchVersions" : {
    "beanStyleGetterMethodName" : "getElasticsearchVersions",
    "beanStyleSetterMethodName" : "setElasticsearchVersions",
    "c2jName" : "ElasticsearchVersions",
    "c2jShape" : "ElasticsearchVersionList",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.
This is a convenience that creates an instance of the List/String/Builder avoiding the need to create one manually via List/String/Builder().
When the Consumer completes, List/String/Builder/Builder/build() is called immediately and its result is passed to List/String/Builder/Builder/build().
@see ElasticsearchVersions/List/String/"
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventId" : "",
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetMappingMethodName" : "elasticsearchVersions",
    "fluentGetMappingMethodName" : "elasticsearchVersions",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchVersions",
"getterDocumentation" : "Returns the value of the ElasticsearchVersions property for this object.

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The value of the ElasticsearchVersions property for this object.",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create
one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link
String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }.

@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\n@returns{String} The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.".,
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.\n\n@returns{String} The value of the Member property for this object.".,
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@returns{String} The new value for the Member property for this object.".,
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": null,
"variableSetterType" : "java.util.Collection<String>"
],
"xmlNameSpaceUri" : null
},
"NextToken" : {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. @param nextToken a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #nextToken(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"flattened" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object. The new value for the NextToken property for this object.@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.@return The value of the NextToken property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.

@param nextToken The new value for the NextToken property for this object.",
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getElasticsearchVersions",
"beanStyleSetterMethodName" : "setElasticsearchVersions",
"c2jName" : "ElasticsearchVersions",
"c2jShape" : "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the [@link Consumer] completes, {@link List<String>#builder().build()} is called immediately and its result is passed to {
"deprecated" : false,
"documentation" : "",
"name" : "ElasticsearchVersions",
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

This is a convenience that creates an instance of the {
@link List<String>.Builder} avoiding the need to create one manually via {
@link List<String>#builder()}. When the {
@link Consumer} completes, {
@link List<String>#builder().build()} is called immediately and its result is passed to {
@link #elasticsearchVersions(List<String>)}. @param elasticsearchVersions a consumer that will call methods on {
@link List<String>.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #elasticsearchVersions(List<String>)",}
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchVersions",
"fluentSetterDocumentation": "Sets the value of the ElasticsearchVersions property for this object.
@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "elasticsearchVersions",
"getterDocumentation": "Returns the value of the ElasticsearchVersions property for this object.
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return The value of the ElasticsearchVersions property for this object.",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ElasticsearchVersions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ElasticsearchVersions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
"implType": "java.util.ArrayList",
"interfaceType": "java.util.List",
"listMemberModel": {
"beanStyleGetterMethodName": "getMember",
"beanStyleSetterMethodName": "setMember",
"c2jName": "member",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {link #member(String)}.

```java
@param member a consumer that will call methods on {link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)
```

"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "Returs the value of the Member property for this object.
@return The value of the Member property for this object.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.".

```
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions",
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.\n\n@param
elasticsearchVersions The new value for the ElasticsearchVersions property for this object."
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "elasticsearchVersions",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,

  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}.\n
@tparam nextToken a consumer that will call methods on \{@link String.Builder\}\n
@return Returns a reference to this object so that method calls can be chained together.\n
@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "flattened" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

The new value for the NextToken property for this object.\n
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "Returns the value of the NextToken property for this object.

The value of the NextToken property for this object.\n
@return The value of the NextToken property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NEXT_TOKEN"}
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.\n",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListElasticsearchVersionsResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "ListElasticsearchVersionsResponse",
"variableName" : "listElasticsearchVersionsResponse",
"variableType" : "ListElasticsearchVersionsResponse",
"documentation" : null,
"simpleType" : "ListElasticsearchVersionsResponse",
"variableSetterType" : "ListElasticsearchVersionsResponse"
},
"wrapper" : false,
"ListTagsRequest" : {
  "c2jName" : "ListTagsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for the parameters to the <code><a>ListTags</a></code> operation. Specify
  the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view are
  attached.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "ListTags",
    "locationName" : null,
    "requestUri" : "/2015-01-01/tags/",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch
domain to which the tags are attached that you want to view.</p>"
This is a convenience that creates an instance of
the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the
{@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #arn(String)}.\n@param arn a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #arn(String)

"deprecated" : false,
"documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p> ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p>
@param arn Specify the <code>ARN</code> for the Elasticsearch
domain to which the tags are attached that you want to view.
@return Returns a reference to this object so that method calls can be chained together." 
,  
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p>
@return Specify the <code>ARN</code> for the Elasticsearch domain to
which the tags are attached that you want to view.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "arn",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "arn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name": "ARN",
"setterDocumentation": "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
\n@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.",
"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "ARN": {
    "beanStyleGetterMethodName": "getArn",
    "beanStyleSetterMethodName": "setArn",
    "c2jName": "ARN",
    "c2jShape": "ARN",
    "defaultConsumerFluentSetterDocumentation": "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #arn(String)\}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #arn(String)",
    "deprecated": false,
    "documentation": "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "arn",
    "fluentSetterDocumentation": "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>"}
the tags are attached that you want to view.

@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "arn",
"getterDocumentation" : "Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@return Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "arn",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "arn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterDocumentation" : "Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@return Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "arn",
    "variableType" : "String",
    "documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#builder()}.<p>@param arn a consumer that will call methods on {@link String.Builder} and return a reference to this object so that method calls can be chained together.<p>@see #arn(String)",
    "deprecated" : false,
    "documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "arn",
    "fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
@return Returns a reference to this object so that method calls can be chained together.
@see #arn(String)",
    "getterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
@return Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
    "http" : {
        "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "arn",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "arn",
"uri" : false,

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterDocumentation" : "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>\n@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.",

"setterMethodName" : "setArn",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p>Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null}
"requestSigner Aware": false,
"requestSignerClassFqcn": null,
"required": [ "ARN" ],
"shapeName": "ListTagsRequest",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ListTagsRequest",
  "variableName": "listTagsRequest",
  "variableType": "ListTagsRequest",
  "documentation": null,
  "simpleType": "ListTagsRequest",
  "variableSetterType": "ListTagsRequest"
},
"wrapper": false,
"ListTagsResponse": {
  "c2jName": "ListTagsResponse",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "The result of a <code>ListTags</code> operation. Contains tags for all requested Elasticsearch domains."",
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshallers": null,
  "members": {
    "beanStyleGetterMethodName": "getTagList",
    "beanStyleSetterMethodName": "setTagList",
    "c2jName": "TagList",
    "c2jShape": "TagList",
    "defaultConsumerFluentSetterDocumentation": "List of <code>Tag</code> for the requested Elasticsearch domain.\nThis is a convenience that creates an instance of the \n{@link List<Tag>.Builder} avoiding the need to create one manually via \n{@link List<Tag>#builder()}. When the \n{@link Consumer} completes, \n{@link List<Tag>.Builder#build()} is called immediately and its result is passed to \n"
@param tagList a consumer that will call methods on [\@link List\<Tag\>.Builder]
@returns a reference to this object so that method calls can be chained together.
@see #tagList(List\<Tag\>)

"deprecated" : false,
"documentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.&lt;/p&gt;
@returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "tagList",
"getterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.&lt;/p&gt; Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

"getterModel" : {
  "returnType" : "java.util.List\<Tag\>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TagList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
  }
}
"c2jName" : "member",
"c2jShape" : "Tag",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link Tag.Builder] avoiding the need to create one manually via [link Tag#builder()]. When the [link Consumer] completes, [link Tag.Builder#build()] is called immediately and its result is passed to [link #member(Tag)].

@see #member(Tag)

@param member a consumer that will call methods on [link Tag.Builder]

@return Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(Tag)

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.

"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"setterDocumentation" : "<p>List of <code>Tag</code> for the requested Elasticsearch domain.</p>\n\n@param tagList List of <code>Tag</code> for the requested Elasticsearch domain."

"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<Tag>",
"variableName" : "tagList",
"variableType" : "java.util.List<Tag>",
"documentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
",

"membersAsMap" : {
"TagList" : {
"beanStyleGetterMethodName" : "getTagList",
"beanStyleSetterMethodName" : "setTagList",
"c2jName" : "TagList",
"c2jShape" : "TagList",
"defaultConsumerFluentSetterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain. This is a convenience that creates an instance of the { @link List<Tag>.Builder } avoiding the need to create one manually via { @link List<Tag>#builder() } When the { @link Consumer } completes, { @link List<Tag>.Builder#build() } is called immediately and its result is passed to { @link #tagList(List<Tag>) }. Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)",
"deprecated" : false,
"documentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.
@link #tagList(List<Tag>) Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)",
"getterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@link #tagList(List<Tag>) Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [Tag.Builder] avoiding the need to create one manually via [Tag#builder()]. When the [Consumer] completes, [Tag.Builder#build()] is called immediately and its result is passed to [member(Tag)].

@see \#member(Tag)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.

@see \#member(Tag)",
"getterModel" : [
"returnType": "Tag",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": null,
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Tag",
"variableName": "member",
"variableType": "Tag",
"documentation": "",
"simpleType": "Tag",
"variableSetterType": "Tag"
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
}

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
  "c2jName" : "TagList",
  "c2jShape" : "TagList",
  "defaultConsumerFluentSetterDocumentation" : "<p> List of <code>Tag</code> for the requested Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the {@link List<Tag>.Builder}
avoiding the need to create one manually via `{@link Tag#builder()}. When the `{@link Consumer}
completes, `{@link List<Tag>.Builder#build()}` is called immediately and its result is passed to `{@link
#tagList(List<Tag>)}`. 

When the `{@link Consumer}`
completes, `{@link List<Tag>.Builder#build()}` is called immediately and its result is passed to `{@link
#tagList(List<Tag>)}`. `@return` Returns a reference to this object so that method calls can be chained together. `@see #tagList(List<Tag>)`.

"deprecated" : false,
"documentation" : "<p>List of `<code>Tag</code>` for the requested Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "<p>List of `<code>Tag</code>` for the requested Elasticsearch domain.</p>
@param tagList List of `<code>Tag</code>` for the requested Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "tagList",
"getterDocumentation" : "<p>List of `<code>Tag</code>` for the requested Elasticsearch domain.</p>

\n\n\n\n\n\nAttempts to modify the collection returned by this method will result in an
UnsupportedOperationException. `@return` Returns a reference to this object so that method calls can be chained together."

"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {

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"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "Tag",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag.Builder#builder()]. When the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link #member(Tag)].

@see #member(Tag)

@deprecated : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object. Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object. The value of the Member property for this object.

"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"setterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.\n@param tagList List of <code>Tag</code> for the requested Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"variableType" : "java.util.List<Tag>",
"documentation" : null,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p> List of <code>Tag</code> for the requested Elasticsearch domain.</p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlnsSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListTagsResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ListTagsResponse",
  "variableName" : "listTagsResponse",
  "variableType" : "ListTagsResponse",
  "documentation" : null,
  "simpleType" : "ListTagsResponse",
  "variableSetterType" : "ListTagsResponse"
},
"wrapper" : false
},
"LogPublishingOption" : {
  "c2jName" : "LogPublishingOption",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Log Publishing option that is set for given domain. <br/>Attributes and their details: <ul><li>CloudWatchLogsLogGroupArn: ARN of the Cloudwatch log group to which log needs to be published.</li>
</ul>"
<li>Enabled: Whether the log publishing for given log type is enabled or not</li>

```
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getCloudWatchLogsLogGroupArn",
  "beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
  "c2jName" : "CloudWatchLogsLogGroupArn",
  "c2jShape" : "CloudWatchLogsLogGroupArn",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #cloudWatchLogsLogGroupArn(String).

@throws Returns a reference to this object so that method calls can be chained together.

@see #cloudWatchLogsLogGroupArn(String)
",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
  "fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@throws Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "cloudWatchLogsLogGroupArn",
  "getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object.

@throws The new value for the CloudWatchLogsLogGroupArn property for this object.
",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
```

---

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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CloudWatchLogsLogGroupArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n\n@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.\n",
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled
or not.

This is a convenience that creates an instance of the `@link Boolean.Builder` avoiding the need to
create one manually via `@link Boolean.Builder()`. When the `@link Consumer` completes, `@link
Boolean.Builder#build()` is called immediately and its result is passed to `@link enabled(Boolean)`.

@see #enabled(Boolean)

```
@deprecated
"documentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or
not. </p>
@param enabled Specifies whether given log publishing option is enabled or not.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
@return Specifies whether given log publishing option is enabled or not."

```

```
}
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"returnType" : "Boolean",
"documentation" : null
```
"setterDocumentation": "<p>Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.",
"setterMethodName": "setEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": "<p>Specifies whether given log publishing option is enabled or not.</p>
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "CloudWatchLogsLogGroupArn": {
    "beanStyleGetterMethodName": "getCloudWatchLogsLogGroupArn",
    "beanStyleSetterMethodName": "setCloudWatchLogsLogGroupArn",
    "c2jName": "CloudWatchLogsLogGroupArn",
    "c2jShape": "CloudWatchLogsLogGroupArn",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].

When the [Consumer] completes, [String.Builder] is called immediately and its result is passed to [CloudWatchLogsLogGroupArn(String)].

@see #cloudWatchLogsLogGroupArn(String)"
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "cloudWatchLogsLogGroupArn",
  "fluentSetterDocumentation": "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@see #cloudWatchLogsLogGroupArn(String)"
  "fluentSetterMethodName": "cloudWatchLogsLogGroupArn"
"getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object.
@returns The value of the CloudWatchLogsLogGroupArn property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "CloudWatchLogsLogGroupArn",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.
@returns The new value for the CloudWatchLogsLogGroupArn property for this object.",
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "cloudWatchLogsLogGroupArn",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "cloudWatchLogsLogGroupArn",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Enabled" : {
"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p> This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to create one manually via { @link Boolean#builder() }. When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link enabled(Boolean) }. @param enabled a consumer that will call methods on { @link Boolean.Builder } @return Returns a reference to this object so that method calls can be chained together. @see #enabled(Boolean)",
"deprecated" : false,
"documentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
@param enabled Specifies whether given log publishing option is enabled or not.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
@return Specifies whether given log publishing option is enabled or not.
getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
},
"nonStreamingMembers" : [
  "beanStyleGetterMethodName" : "getCloudWatchLogsLogGroupArn",
  "beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
  "c2jName" : "CloudWatchLogsLogGroupArn",
  "c2jShape" : "CloudWatchLogsLogGroupArn",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link CloudWatchLogsLogGroupArn(String)}."
@param cloudWatchLogsLogGroupArn a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained..."
together.

@see #cloudWatchLogsLogGroupArn(String)

"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
"fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object. @param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object. @return Returns a reference to this object so that method calls can be chained together. ".
"fluentSetterMethodName" : "cloudWatchLogsLogGroupArn",
"getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object. @return The value of the CloudWatchLogsLogGroupArn property for this object. ",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CloudWatchLogsLogGroupArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object. @param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object. ",
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterSetterDocumentation" : null,
"statusType" : "STRING",
"version" : "open-source-11.5.0"
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, the {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link enabled(Boolean)}. <p>@param enabled a consumer that will call methods on {@link Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.</p>

"deprecated" : false,
  "documentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
"enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
@see #enabled(Boolean)"

"documentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
"eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>
@see #enabled(Boolean)"
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Enabled",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Enabled",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"setterDocumentation": "<p> Specifies whether given log publishing option is enabled or not.</p>
@param
  enabled Specifies whether given log publishing option is enabled or not.",
"setterMethodName": "setEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": "<p> Specifies whether given log publishing option is enabled or not.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LogPublishingOption",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "logPublishingOption",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"wrapper" : false
},
"LogPublishingOptionsStatus" : {
  "c2jName" : "LogPublishingOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The configured log publishing options for the domain and their current status.

This is a convenience that creates an instance of the \{ @link

\texttt{Elasticsearch\_domain} domain.\</p\\>"\)
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getOptionsAsStrings",
    "beanStyleSetterMethodName" : "setOptionsWithStrings",
    "c2jName" : "Options",
    "c2jShape" : "LogPublishingOptions",
    "defaultConsumerFluentSetterDocumentation" : "The log publishing options configured for the Elasticsearch domain.\</p\\>"\)
Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link
Map<String,LogPublishingOption>#builder()}. When the {@link Consumer} completes, {@link
Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link
#optionsAsStrings(Map<String,LogPublishingOption>)}.

When the {@link Consumer} completes, {@link
Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link
#optionsAsStrings(Map<String,LogPublishingOption>)}.

@param options a consumer that will call methods on
{@link Map<String,LogPublishingOption>.Builder}

@return Returns a reference to this object so that method
calls can be chained together.

@see #optionsWithStrings(Map<String,LogPublishingOption>)

"deprecated" : false,
"documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "options",
"fluentEnumSetterMethodName" : "options",
"fluentGetterMethodName" : "optionsAsStrings",
"fluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch
domain.</p>

@param options The log publishing options configured for the Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "optionsWithStrings",
"getterDocumentation" : "<p>The log publishing options configured for the Elasticsearch
domain.</p>

@param options The log publishing options configured for the Elasticsearch domain.

@return The log publishing options configured for the Elasticsearch domain.

"getterModel" : {
  "returnType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
  "beanStyleGetterMethodName" : "getKeyAsString",
  "beanStyleSetterMethodName" : "setKey",
  "c2jName" : "key",
  "c2jShape" : "LogType",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the @link Consumer completes, the call will be passed to the method defined in the SDK."
  @param key a consumer that will call methods on @link String.Builder
  @return Returns a reference to this object so that method calls can be chained together.
  @see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object. Sets the value of the Key property for this object.

@see LogType
@returns Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object. If the service returns an enum value that is not available in the current SDK version, @link #key will return @link LogType#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from @link #keyAsString()."
  @param key The new value for the Key property for this object.
  @see LogType
  @returns Returns a reference to this object so that method calls can be chained together.
  @see LogType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
  }
}
"unmarshallLocationName": "key",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "Sets the value of the Key property for this object.

@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the { @link LogPublishingOption.Builder } avoiding the need to create one manually via { @link LogPublishingOption#builder() }. When the { @link Consumer } completes, { @link LogPublishingOption.Builder#build() } is called immediately and its result is passed to { @link #value(LogPublishingOption) }. @param value a consumer that will call methods on { @link LogPublishingOption.Builder } @return Returns a reference to this object so that method calls can be chained together. @see #value(LogPublishingOption)"}
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@returns The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.

@returns The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "documentation" : "Sets the value of the Value property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@returns The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "Options",
"setterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
@param options The log publishing options configured for the Elasticsearch domain."
,"setterMethodName" : "setOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"}
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>This is a convenience that creates an instance of the [ @link OptionStatus.Builder] avoiding the need to create one manually via [ @link OptionStatus#builder()].

When the [ @link Consumer] completes, [ @link OptionStatus.Builder#build()] is called immediately and its result is passed to [ @link OptionStatus#status(OptionStatus)].@param status a consumer that will call methods on [ @link OptionStatus.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "status",
  "getterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  @return The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  
  @see #status(OptionStatus)",
  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
  },
  "httpMethod" : "GET",
  "httpResponseMessages" : [],
  "lengthHints" : [],
  "location" : null,
  "methodKey" : "Status",
  "required" : false,
  "responseHeaders" : [],
  "serviceName" : "Log Publishing Options for Elasticsearch Domain",
  "shapeName" : "OptionStatus",
  "target" : "/log-publishing-options-for-elasticsearch-domain/status"}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>
@param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptionsAsStrings",
    "beanStyleSetterMethodName" : "setOptionsWithStrings",
    "c2jName" : "Options",
    "c2jShape" : "LogPublishingOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>The log publishing options configured for the
Elasticsearch domain. </p>

This is a convenience that creates an instance of the { @link
Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via { @link
Map<String,LogPublishingOption>#builder()}. When the { @link Consumer} completes, { @link
Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to { @link
#optionsAsStrings(Map<String,LogPublishingOption>)}.@param options a consumer that will call methods on
{ @link Map<String,LogPublishingOption>.Builder}@return Returns a reference to this object so that method
calls can be chained together.

```java
@see #optionsWithStrings(Map<String,LogPublishingOption>)
```

"deprecated" : false,
"documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "options",
"fluentEnumSetterMethodName" : "options",
"fluentGetterMethodName" : "optionsAsStrings",
"fluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
@param options The log publishing options configured for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "optionsWithStrings",
"getterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The log publishing options configured for the Elasticsearch domain.
",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {

```
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```
"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "LogType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #keyAsString(String)}. @param key a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}.\n\n@return The value of the Key property for this object.\n@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}.\n\n@return The value of the Key property for this object.\n@see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link LogPublishingOption.Builder} avoiding the need to create one manually via {@link LogPublishingOption#builder()}. When the {@link Consumer} completes, [{@link LogPublishingOption.Builder#build()}] is called immediately and its result is passed to [{@link #value(LogPublishingOption)}].

@return Returns a reference to this object so that method calls can be chained together.
@see #value(LogPublishingOption)
"}
"deprecated" : false,
"documentation" : ",",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
The log publishing options configured for the Elasticsearch domain.

The status of the log publishing options for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included.

This is a
convenience that creates an instance of the `OptionStatus.Builder` avoiding the need to create one manually via `OptionStatus.Builder#builder()`. When the `Consumer` completes, `OptionStatus.Builder#build()` is called immediately and its result is passed to a consumer that will call methods on `OptionStatus.Builder#build()`. Returns a reference to this object so that method calls can be chained together.

```
@see #status(OptionStatus)
```

"deprecated": false,
"documentation": "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. <p>
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

```
@returns Returns a reference to this object so that method calls can be chained together.
```
"getterDocumentation": "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

```
@returns The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
```

```
getterModel": {
"returnType": "OptionStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. <p>@param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  
  "beanStyleGetterMethodName" : "getOptionsAsStrings",
  "beanStyleSetterMethodName" : "setOptionsWithStrings",
  "c2jName" : "Options",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "The log publishing options configured for the Elasticsearch domain.

  <p>This is a convenience that creates an instance of the <link Map<String,LogPublishingOption>.Builder> avoiding the need to create one manually via <link Map<String,LogPublishingOption>#builder()>. When the <link Consumer> completes, <link Map<String,LogPublishingOption>.Builder#build()> is called immediately and its result is passed to <link Map<String,LogPublishingOption> @param options a consumer that will call methods on <link Map<String,LogPublishingOption> .Builder \n @return Returns a reference to this object so that method calls can be chained together. \n @see #optionsWithStrings(Map<String,LogPublishingOption>)"></p>
  "deprecated" : false,
  "documentation" : "The log publishing options configured for the Elasticsearch domain."",
  "enumType" : null,
The log publishing options configured for the Elasticsearch domain.

@returns The log publishing options configured for the Elasticsearch domain.

### Getter Documentation

The log publishing options configured for the Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an 
UnsupportedOperationException.

### Getter Model

- **Return Type**: `java.util.Map<String,LogPublishingOption>`
- **Documentation**: null

### HTTP

- **Additional Marshalling Path**: null
- **Additional Unmarshalling Path**: null
- **Flattened**: false
- **Greedy**: false
- **Header**: false
- **Is Payload**: false
- **Is Streaming**: false
- **Location**: null
- **Marshalling Location**: "PAYLOAD"
- **Marshalling Location Name**: "Options"
- **Query String**: false
- **Status Code**: false
- **Unmarshalling Location Name**: "Options"
- **Uri**: false

### Idempotency Token**: false

### Is Binary**: false

### JSON Value**: false

### List**: false

### List Model**: null

### Map**: true

### Map Model**: 

- **Impl Type**: "java.util.HashMap"
- **Interface Type**: "java.util.Map"
- **Key Location Name**: "key"
- **Key Model**: 
  - **Bean Style Getter Method Name**: "getKeyAsString"
  - **Bean Style Setter Method Name**: "setKey"
  - **C2J Name**: "key"
  - **C2J Shape**: "LogType"
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #keyAsString(String) \}.\n
@see #key(String)"

"documentation" : ""

"deprecated" : false,

"enumType" : "LogType",

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : "key",

"fluentEnumSetterMethodName" : "key",

"fluentGetterMethodName" : "keyAsString",

"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n
@see LogType\n
@returns Returns a reference to this object so that method calls can be chained together.\n
@returns Returns a reference to this object so that method calls can be chained together.\n
@see LogType",

"fluentSetterMethodName" : "key",

"getterDocumentation" : "Returns the value of the Key property for this object.\n
If the service returns an enum value that is not available in the current SDK version, \{ @link #key \} will return \{ @link LogType#UNKNOWN_TO_SDK_VERSION \}. The raw value returned by the service is available from \{ @link #keyAsString \}.\n
@see LogType",

"getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
  },

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the { @link LogPublishingOption.Builder } avoiding the need to create
one manually via { @link LogPublishingOption#builder() }.

When the { @link Consumer } completes, { @link LogPublishingOption.Builder#build() } is called immediately and its result is passed to { @link 
#value(LogPublishingOption) }.

@param value a consumer that will call methods on { @link LogPublishingOption.Builder }
@returns Returns a reference to this object so that method calls can be chained
together.
@see #value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventId" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@param value The
new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "documentation" : null,
  "variableType" : "LogPublishingOption",
  "simpleSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return The value of the Value property for this object.

"getterDocumentation" : "Returns the value of the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"getterMethodName" : "value",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "variableType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "variableType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "variableType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "variableType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "variableType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.";
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "simpleType" : "LogPublishingOption",
  "variableType" : "LogPublishingOption"
},
"simple" : false,
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : "",
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption",
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String, LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "Options",
"setterDocumentation" : "The log publishing options configured for the Elasticsearch domain.
@param options The log publishing options configured for the Elasticsearch domain.",
"setterMethodName" : "setOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "options",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "options",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : "The log publishing options configured for the Elasticsearch domain.",
"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"xmlNameSpaceUri" : null,

{ "beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultValueFluentSetterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}.

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link OptionStatus#status(OptionStatus)}.

@param status a consumer that will call methods on { @link OptionStatus.Builder}
@return Returns a reference to this object so that method calls can be chained
together.

@see #status(OptionStatus), "deprecated" : false,
"documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>
@param status The status of the log
publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's
included.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>
@return The status of the log
publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's
included.",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status", 

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"setterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.\n\n@param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",

"setterMethodName" : "setStatus",

"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},

"xmlNameSpaceUri" : null
}

"requestSignerAware" : false,

"requestSignerClassFqcn" : null,

"required" : null,

"shapeName" : "LogPublishingOptionsStatus",

"simpleMethod" : false,

"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},

"variable" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptionsStatus",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : null,
  "simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus"
},

"wrapper" : false
},

"LogType" : {
  "c2jName" : "LogType",
  "customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Type of Log File, it can be one of the following: <ul> <li>INDEX_SLOW_LOGS: Index slow logs contain insert requests that took more time than configured index query log threshold to execute.</li> <li>SEARCH_SLOW_LOGS: Search slow logs contain search queries that took more time than configured search query log threshold to execute.</li> <li>ES_APPLICATION_LOGS: Elasticsearch application logs contain information about errors and warnings raised during the operation of the service and can be useful for troubleshooting.</li> </ul></p>

"enums" : [ { 
  "name" : "INDEX_SLOW_LOGS",
  "value" : "INDEX_SLOW_LOGS"
 }, { 
  "name" : "SEARCH_SLOW_LOGS",
  "value" : "SEARCH_SLOW_LOGS"
 }, { 
  "name" : "ES_APPLICATION_LOGS",
  "value" : "ES_APPLICATION_LOGS"
 } ],
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LogType",
"simpleMethod" : false,
"unmarshaller" : { 
  "flattened" : false,
  "resultWrapper" : null
 },
"variable" : { 
  "variableDeclarationType" : "LogType",
  "variableName" : "logType",
  "variableType" : "LogType"
}
"variableType" : "LogType",
"documentation" : null,
"simpleType" : "LogType",
"variableSetterType" : "LogType"
],
"wrapper" : false
],
"NodeToNodeEncryptionOptions" : {
  "c2jName" : "NodeToNodeEncryptionOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies the node-to-node encryption options.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean#builder()].

When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #enabled(Boolean)].

@see #enabled(Boolean)"
    "deprecated" : false,
    "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null
  ],
  "httpStatusShape" : "Null",
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean#builder()].

When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #enabled(Boolean)].

@see #enabled(Boolean)"
    "deprecated" : false,
    "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null
  ]
}
"fluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>@param enabled Specify true to enable node-to-node encryption.@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>@return Specify true to enable node-to-node encryption.",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>@param enabled Specify true to enable node-to-node encryption.",
"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "Enabled" : {
    "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
    <p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via [@link Boolean.Builder()]. When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #enabled(Boolean)].
    <p>enabled a consumer that will call methods on [@link Boolean.Builder] @return Returns a reference to this object so that method calls can be chained together.@see #enabled(Boolean)",
    "deprecated" : false,
    "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "enabled",
    "fluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
    <p>Specify true to enable node-to-node encryption. @return Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName" : "enabled",
    "getterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
    <p>Specify true to enable node-to-node encryption. @return Specify true to enable node-to-node encryption."",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
@param enabled Specify true to enable node-to-node encryption.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
",
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node
                encryption.</p>\nThis is a convenience that creates an instance of the
                [@link Boolean.Builder] avoiding the need
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to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.

When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.

@see #enabled(Boolean)

$
"deprecated" : false,
"documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>"
\n@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
\n@return Specify true to enable node-to-node encryption.
\n@see #enabled(Boolean)

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>"
\n@return param enabled Specify
true to enable node-to-node encryption.

```
"setterMethod_Name": "setEnabled",
"setter_Model": {
  "variableDeclaration_Type": "Boolean",
  "variable_Name": "enabled",
  "variable_Type": "Boolean",
  "documentation": null,
  "simple_Type": "Boolean",
  "variableSetter_Type": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclaration_Type": "Boolean",
  "variable_Name": "enabled",
  "variable_Type": "Boolean",
  "documentation": "<p>Specify true to enable node-to-node encryption.</p>",
  "simple_Type": "Boolean",
  "variableSetter_Type": "Boolean"
},
"xmlNameSpaceUri": null
}
```

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "NodeToNodeEncryptionOptions",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclaration_Type": "NodeToNodeEncryptionOptions",
  "variable_Name": "nodeToNodeEncryptionOptions",
  "variable_Type": "NodeToNodeEncryptionOptions",
  "documentation": null,
  "simple_Type": "NodeToNodeEncryptionOptions",
  "variableSetter_Type": "NodeToNodeEncryptionOptions"
},
"wrapper": false
}

"NodeToNodeEncryptionOptionsStatus": {
  "c2jName": "NodeToNodeEncryptionOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset" : 0,
),
"deprecated" : false,
"documentation" : "<p>Status of the node-to-node encryption options for the specified Elasticsearch domain.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [  
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the { @link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link NodeToNodeEncryptionOptions#builder()}.\n\nWhen the { @link Consumer} completes, { @link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to { @link #options(NodeToNodeEncryptionOptions) }.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(NodeToNodeEncryptionOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>\n@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together."),
  "fluentSetterMethodName" : "options",
  "getterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>\n@return Specifies the node-to-node encryption options for the specified Elasticsearch domain."
  "getterModel" : { 
  "returnType" : "NodeToNodeEncryptionOptions",
  "documentation" : null
  },
};
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "options",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "options",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
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"xmlNameSpaceUri" : null,
}, {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.<br>This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}.<br>When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}.<br>param status a consumer that will call methods on {@link OptionStatus.Builder}<br>@return Returns a reference to this object so that method calls can be chained together.<br>status(OptionStatus)"",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.<br>"",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.<br>param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.<br>@return Returns a reference to this object so that method calls can be chained together."",
  "fluentSetterMethodName" : "status",
  "getterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain."",
  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
  }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain."

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
azen
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},

"xmlNameSpaceUri" : null
}]

"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "NodeToNodeEncryptionOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
<\n
This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}.

When the {@link Consumer} completes, {@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {@link #options(NodeToNodeEncryptionOptions)}.

@\n@param options a consumer that will call methods on {@link
NodeToNodeEncryptionOptions.Builder

- **Return** Returns a reference to this object so that method calls can be chained together.

- **See** #options(NodeToNodeEncryptionOptions)

  - **deprecated** : false
  - **documentation** : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"
  - **enumType** : null
  - **eventHeader** : false
  - **eventPayload** : false
  - **fluentEnumGetterMethodName** : null
  - **fluentEnumSetterMethodName** : null
  - **fluentGetterMethodName** : "options"
  - **fluentSetterDocumentation** : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"
  - **fluentSetterMethodName** : "options"

- **getterDocumentation** : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"

- **getterModel** : {
  - **returnType** : "NodeToNodeEncryptionOptions",
  - **documentation** : null
}

- **http** : {
  - **additionalMarshallingPath** : null,
  - **additionalUnmarshallingPath** : null,
  - **flattened** : false,
  - **greedy** : false,
  - **header** : false,
  - **isPayload** : false,
  - **isStreaming** : false,
  - **location** : null,
  - **marshallLocation** : "PAYLOAD",
  - **marshallLocationName** : "Options",
  - **queryString** : false,
  - **statusCode** : false,
  - **unmarshallLocationName** : "Options",
  - **uri** : false
}

- **idempotencyToken** : false
- **isBinary** : false
- **jsonValue** : false
- **list** : false
- **listModel** : null
- **map** : false
- **mapModel** : null
- **marshallingType** : "SDK_POJO",
- **name** : "Options",

- **setterDocumentation** : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"

- **param options** Specifies the node-to-node encryption options for the specified Elasticsearch domain.
domain.

"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>

"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

\nThis is a convenience that creates an instance of the { @link OptionStatus.Builder } avoiding the need to create one manually via { @link OptionStatus#builder() }. \n
When the { @link Consumer } completes, { @link OptionStatus.Builder#build() } is called immediately and its result is passed to { @link #status(OptionStatus) } a consumer that will call methods on { @link OptionStatus.Builder } \n
\n@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

\n@see #status(OptionStatus)",

“fluentSetterMethodName”: "status",
“getterDocumentation”: "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>\n@return Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.",
“getterModel”: {
"returnType": "OptionStatus",
"documentation": null
},
“http”: {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"setterDocumentation": "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>\n@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.",
"setterMethodName": "setStatus",
"setterModel": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": null,
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
Specifies the node-to-node encryption options for the specified Elasticsearch domain.

```xml

<param name="options"> Specifies the node-to-node encryption options for the specified Elasticsearch domain.

</param>
```

```java

public class NodeToNodeEncryptionOptions {

    public static final String NAME = "NodeToNodeEncryptionOptions";

    private String key;

    public String getKey() {
        return key;
    }

    public void setKey(String key) {
        this.key = key;
    }

    // Other methods for setting and getting NodeToNodeEncryptionOptions
}
```

```java

public class NodeToNodeEncryptionOptions {

    public static final String NAME = "NodeToNodeEncryptionOptions";

    private NodeToNodeEncryptionOptions nodeToNodeEncryptionOptions;

    public NodeToNodeEncryptionOptions getNodeToNodeEncryptionOptions() {
        return nodeToNodeEncryptionOptions;
    }

    public void setNodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions nodeToNodeEncryptionOptions) {
        this.nodeToNodeEncryptionOptions = nodeToNodeEncryptionOptions;
    }

    // Other methods for setting and getting NodeToNodeEncryptionOptions
}
```
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain. This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}.\n\n@see #status(OptionStatus)"

"deprecated" : false,
"documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.\n\n@see #status(OptionStatus)\n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.\n\n@returns Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain."

"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.\n\n@returns Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"setterDocumentation": "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
  "variableName": "status",
  "variableType": "NodeToNodeEncryptionOptionsStatus",
  "documentation": null,
  "simpleType": "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["Options", "Status"],
"shapeName": "NodeToNodeEncryptionOptionsStatus",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
  "variableName": "nodeToNodeEncryptionOptionsStatus",
  "variableType": "NodeToNodeEncryptionOptionsStatus",
  "documentation": null,
  "simpleType": "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
}.}
The state of a requested change. One of the following:

- **Processing**: The request change is still in-process.
- **Active**: The request change is processed and deployed to the Elasticsearch domain.

```
"docsolutions": [ 
  
  "REQUIRES_INDEX/Documents", 
  "RequiresIndexDocuments"
 ], 
"PROCESSING", 
"Processing"
 ], 
"ACTIVE", 
"Active"
 ]
```

Related resource:
"variableDeclarationType" : "OptionState",
"variableName" : "optionState",
"variableType" : "OptionState",
"documentation" : null,
"simpleType" : "OptionState",
"variableSetterType" : "OptionState"
},
"wrapper" : false,
"OptionStatus" : {
"c2jName" : "OptionStatus",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Provides the current status of the entity.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  {
    "beanStyleGetterMethodName" : "getCreationDate",
    "beanStyleSetterMethodName" : "setCreationDate",
    "c2jName" : "CreationDate",
    "c2jShape" : "UpdateTimestamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>This is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via [@link Instant#builder()]. When the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link #creationDate(Instant)].
@see #creationDate(Instant)"
  },
  {
    "documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
    "enumType" : null,
    "eventType" : null,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
  }
]
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "creationDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "creationDate",
"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@return Timestamp which tells the creation date for the entity.",
"getterModel" : {
   "returnType" : "java.time.Instant",
   "documentation" : null
 },
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "CreationDate",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "CreationDate",
   "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "CreationDate",
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setCreationDate",
"setterModel" : {
   "variableDeclarationType" : "java.time.Instant",
   "variableName" : "creationDate",
   "variableType" : "java.time.Instant",
   "documentation" : null,
   "simpleType" : "Instant",
   "variableSetterType" : "java.time.Instant"
 },
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "creationDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp which tells the creation date for the entity.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getUpdateDate",
"beanStyleSetterMethodName": "setUpdateDate",
"c2jName": "UpdateDate",
"c2jShape": "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
"deprecated": false,
"documentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "updateDate",
"fluentSetterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
"fluentSetterMethodName": "updateDate",
"getterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
"getterModel": {
  "returnType": "java.time.Instant",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
"name" : "UpdateDate",
"setterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity.",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "updateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "updateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Specifies the latest version for the entity.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}.\nWhen the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #updateVersion(Integer)}.\n@param updateVersion a consumer that
will call methods on \{@link Integer.Builder\}@return Returns a reference to this object so that method calls can be chained together.@see #updateVersion(Integer)\)

\"deprecated\" : false,
\"documentation\" : \"<p>Specifies the latest version for the entity.</p>\",
\"enumType\" : null,
\"eventHeader\" : false,
\"eventPayload\" : false,
\"fluentEnumGetterMethodName\" : null,
\"fluentEnumSetterMethodName\" : null,
\"fluentGetterMethodName\" : \"updateVersion\",
\"fluentSetterDocumentation\" : \"<p>Specifies the latest version for the entity.</p>@param updateVersion Specifies the latest version for the entity.@return Returns a reference to this object so that method calls can be chained together.\",
\"fluentSetterMethodName\" : \"updateVersion\",
\"getterDocumentation\" : \"<p>Specifies the latest version for the entity.</p>@return Specifies the latest version for the entity.\",
\"getterModel\" : {
  \"returnType\" : \"Integer\",
  \"documentation\" : null
},
\"http\" : {
  \"additionalMarshallingPath\" : null,
  \"additionalUnmarshallingPath\" : null,
  \"flattened\" : false,
  \"greedy\" : false,
  \"header\" : false,
  \"isPayload\" : false,
  \"isStreaming\" : false,
  \"location\" : null,
  \"marshallLocation\" : \"PAYLOAD\",
  \"marshallLocationName\" : \"UpdateVersion\",
  \"queryString\" : false,
  \"statusCode\" : false,
  \"unmarshallLocationName\" : \"UpdateVersion\",
  \"uri\" : false
},
\"idempotencyToken\" : false,
\"isBinary\" : false,
\"jsonValue\" : false,
\"list\" : false,
\"listModel\" : null,
\"map\" : false,
\"mapModel\" : null,
\"marshallingType\" : \"INTEGER\",
\"name\" : \"UpdateVersion\",
\"setterDocumentation\" : \"<p>Specifies the latest version for the entity.</p>@param updateVersion Specifies the latest version for the entity.\",
\"setterMethodName\" : \"setUpdateVersion\".
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "updateVersion",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "updateVersion",
    "variableType" : "Integer",
    "documentation" : "<p>Specifies the latest version for the entity.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
    "beanStyleGetterMethodName" : "getStateAsString",
    "beanStyleSetterMethodName" : "setState",
    "c2jName" : "State",
    "c2jShape" : "OptionState",
    "defaultConsumerFluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the
Elasticsearch domain.</p>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #stateAsString(String)}.<param name="state" type="@link String.Builder">\n@return Returns a reference to this object so that method calls can be chained together.<see #state(String)>
</p>
"deprecated" : false,
"documentation" : "<p>Specifies the latest version for the entity.</p>",
"enumType" : "OptionState",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "state",
"fluentEnumSetterMethodName" : "state",
"fluentGetterMethodName" : "stateAsString",
"fluentSetterMethodName" : "state",
"fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
If the service returns an enum value that is not available in the current SDK version, { @link #state} will return { @link OptionState#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #stateAsString}.<p>@return Provides the <code>OptionState</code> for the Elasticsearch domain.<see #state(String)>
</p>
"getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
If the service returns an enum value that is not available in the current SDK version, { @link #state} will return { @link OptionState#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #stateAsString}.<p>@return Provides the <code>OptionState</code> for the Elasticsearch domain.<see #state(String)>
</p>
"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "State",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@<param state Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState",
"setterMethodName" : "setState",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : null,
    "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null
],
  {
    "beanStyleGetterMethodName" : "getPendingDeletion",
    "beanStyleSetterMethodName" : "setPendingDeletion",
    "c2jName" : "PendingDeletion",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean.Builder#builder()].
When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #pendingDeletion(Boolean)].
@param pendingDeletion a consumer that will call methods on [@link Boolean.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #pendingDeletion(Boolean)",
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "pendingDeletion",
    "fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.
@return Returns a reference to this object so that method calls can be chained together.
@see #pendingDeletion(Boolean)",
    "getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@return Indicates whether the Elasticsearch domain is being deleted.
@see #pendingDeletion(Boolean)",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PendingDeletion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PendingDeletion",
  "xmlNameSpaceUri" : null
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.",
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "pendingDeletion",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "pendingDeletion",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"CreationDate" : {
"beanStyleGetterMethodName" : "getCreationDate",
"beanStyleSetterMethodName" : "setCreationDate",
"c2jName" : "CreationDate",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
This is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant#builder()}. When the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #creationDate(Instant)}. Returns a reference to this object so that method calls can be chained together.
@see #creationDate(Instant)",
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "creationDate",
"fluentSetterMethodName" : "creationDate",
"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "creationDate",
"getterModel" : {
 "returnType" : "java.time.Instant",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "CreationDate",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "CreationDate",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "CreationDate",
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setCreationDate",
"setterModel" : {
 "variableDeclarationType" : "java.time.Instant",
 "variableName" : "creationDate",
 "variableType" : "java.time.Instant"}
"pendingDeletion" : {
  "beanStyleGetterMethodName" : "getPendingDeletion",
  "beanStyleSetterMethodName" : "setPendingDeletion",
  "c2jName" : "PendingDeletion",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}.\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #pendingDeletion(Boolean)}\n@param pendingDeletion a consumer that will call methods on {@link Boolean.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #pendingDeletion(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\n</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "pendingDeletion",
  "fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\n@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.\n@return Returns a reference to this object so that method calls can be chained together.\n"",
  "fluentSetterMethodName" : "pendingDeletion",
  "getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\n@return Indicates whether the Elasticsearch domain is being deleted.\n"",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.time.Instant",
    "variableName" : "creationDate",
    "variableType" : "java.time.Instant",
    "documentation" : "<p>Timestamp which tells the creation date for the entity.\n</p>",
    "simpleType" : "Instant",
    "variableSetterType" : "java.time.Instant"
  },
  "xmlNameSpaceUri" : null
},
"PendingDeletion" : {
  "beanStyleGetterMethodName" : "getPendingDeletion",
  "beanStyleSetterMethodName" : "setPendingDeletion",
  "c2jName" : "PendingDeletion",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}.\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #pendingDeletion(Boolean)}\n@param pendingDeletion a consumer that will call methods on {@link Boolean.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #pendingDeletion(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\n</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "pendingDeletion",
  "fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\n@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.\n@return Returns a reference to this object so that method calls can be chained together.\n"",
  "fluentSetterMethodName" : "pendingDeletion",
  "getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.\n@return Indicates whether the Elasticsearch domain is being deleted.\n"",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.time.Instant",
    "variableName" : "creationDate",
    "variableType" : "java.time.Instant",
    "documentation" : "<p>Timestamp which tells the creation date for the entity.\n</p>",
    "simpleType" : "Instant",
    "variableSetterType" : "java.time.Instant"
  },
  "xmlNameSpaceUri" : null
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PendingDeletion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PendingDeletion",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.",
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"State" : {
  "beanStyleGetterMethodName" : "getStateAsString",
"beanStyleSetterMethodName" : "setState",
"c2jName" : "State",
"c2jShape" : "OptionState",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #stateAsString(String)}.<p>

@param state a consumer that will call methods on {@link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.<p>

"deprecated" : false,
"documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
"enumType" : "OptionState",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "state",
"fluentEnumSetterMethodName" : "state",
"fluentGetterMethodName" : "stateAsString",
"fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain. Returns a reference to this object so that method calls can be chained together.</p>

@param state Provides the <code>OptionState</code> for the Elasticsearch domain.<p>
@return Returns a reference to this object so that method calls can be chained together.<p>

"fluentSetterMethodName" : "state",
"getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>

If the service returns an enum value that is not available in the current SDK version, {@link #state} will return {@link OptionState#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #stateAsString}.<p>

@return Provides the <code>OptionState</code> for the Elasticsearch domain.<p>

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "State",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "State",
"setterDocumentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@param state Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState",
"setterMethodName": "setState",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"updateDate": {
  "beanStyleGetterMethodName": "getUpdateDate",
  "beanStyleSetterMethodName": "setUpdateDate",
  "c2jName": "UpdateDate",
  "c2jShape": "UpdateTimestamp",
  "defaultConsumerFluentSetterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder}. When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #updateDate(Instant)}.

@see #updateDate(Instant)",
  "deprecated": false,
  "documentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param
updateDate Timestamp which tells the last updated time for the entity.
@return
Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "updateDate",
"getterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@return
Timestamp which tells the last updated time for the entity.",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "UpdateDate",
"setterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param
updateDate Timestamp which tells the last updated time for the entity.
@return
Timestamp which tells the last updated time for the entity.",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "updateDate",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "updateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"UpdateVersion" : {
  "beanStyleGetterMethodName" : "getUpdateVersion",
  "beanStyleSetterMethodName" : "setUpdateVersion",
  "c2jName" : "UpdateVersion",
  "c2jShape" : "UIntValue",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>This is a convenience that creates an instance of the 
{@link Integer.Builder} avoiding the need to create one manually via
{@link Integer.Builder#builder()}. When the 
{@link Consumer} completes, 
{@link Integer.Builder#build()} is called immediately and its result is passed to
{@link #updateVersion(Integer)}. 
@param updateVersion a consumer that will call methods on
{@link Integer.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #updateVersion(Integer)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the latest version for the entity.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "updateVersion",
  "fluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@param updateVersion Specifies the latest version for the entity.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "updateVersion",
  "getterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@return Specifies the latest version for the entity.
},
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "UpdateVersion",
"setterDocumentation" : "<p>Specifies the latest version for the entity.</p>\n@param updateVersion Specifies the latest version for the entity.\n"",
"setterMethodName" : "setUpdateVersion",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the latest version for the entity.</p>\n",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getCreationDate",
  "beanStyleSetterMethodName" : "setCreationDate",
  "c2jName" : "CreationDate",
  "c2jShape" : "UpdateTimestamp"}
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder#builder()}. When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #creationDate(Instant)}. When the {@link Instant.Builder} is called immediately and its result is passed to {@link #creationDate(Instant)}.

When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #creationDate(Instant)}.

@param creationDate a consumer that will call methods on {@link Instant.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #creationDate(Instant)\n
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
"enumType" : null,
"eventIdHeader" : false,
"eventIdPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "creationDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate a consumer that will call methods on {@link Instant.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #creationDate(Instant)\n
"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@return Timestamp which tells the creation date for the entity.

@see #creationDate(Instant)\n
"getterModel" : {\n  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {\n  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CreationDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CreationDate",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",\n
Open Source Used In Data Center Network Manager 11.5(1) 14317
"name" : "CreationDate",
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@<param
creationDate Timestamp which tells the creation date for the entity.
"setterMethodName" : "setCreationDate",
"setterModel" : {
 "variableDeclarationType" : "java.time.Instant",
 "variableName" : "creationDate",
 "variableType" : "java.time.Instant",
 "documentation" : null,
 "simpleType" : "Instant",
 "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.time.Instant",
 "variableName" : "creationDate",
 "variableType" : "java.time.Instant",
 "documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
 "simpleType" : "Instant",
 "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
{
 "beanStyleGetterMethodName" : "getUpdateDate",
 "beanStyleSetterMethodName" : "setUpdateDate",
 "c2jName" : "UpdateDate",
 "c2jShape" : "UpdateTimestamp",
 "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the
entity.</p>
This is a convenience that creates an instance of the {
@link Instant.Builder} avoiding the need to
create one manually via {
@link Instant.Builder()}.
When the {
@link Consumer} completes, {
@link
Instant.Builder#build()} is called immediately and its result is passed to {
@link #updateDate(Instant)}.
@<param
updateDate a consumer that will call methods on {
@link Instant.Builder}@return Returns a reference to this
object so that method calls can be chained together.@see #updateDate(Instant)",
 "deprecated" : false,
 "documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "updateDate",
 "fluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@<param
updateDate Timestamp which tells the last updated time for the entity.
@return Returns a reference to this object so that method calls can be chained together.
".
 "fluentSetterMethodName" : "updateDate",
 "getterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@return Timestamp which tells the last updated time for the entity.".
"getterModel": {
  "returnType": "java.time.Instant",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UpdateDate",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UpdateDate",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "UpdateDate",
"setterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>\n@param updateDate Timestamp which tells the last updated time for the entity.",
"setterMethodName": "setUpdateDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "updateDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "updateDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
  "simpleType": "Instant"}
"variableSetterType" : "java.time.Instant",
},
"xmlNameSpaceUri" : null
],
 {
 "beanStyleGetterMethodName" : "getUpdateVersion",
 "beanStyleSetterMethodName" : "setUpdateVersion",
 "c2jName" : "UpdateVersion",
 "c2jShape" : "UIntValue",
 "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity. This is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer#builder()\}. When the \{@link Consumer\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link #updateVersion(Integer)\}. \n@return Returns a reference to this object so that method calls can be chained together.\n@see #updateVersion(Integer)",
 "deprecated" : false,
 "documentation" : "<p>Specifies the latest version for the entity.\</p>",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "updateVersion",
 "fluentSetterDocumentation" : "<p>Specifies the latest version for the entity. \n@return Returns a reference to this object so that method calls can be chained together.\</p>
@param updateVersion Specifies the latest version for the entity.\n@see #updateVersion(Integer)",
 "fluentSetterMethodName" : "updateVersion",
 "getterDocumentation" : "<p>Specifies the latest version for the entity.\</p>
@return Specifies the latest version for the entity.\",
 "getterModel" : {
 "returnType" : "Integer",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "UpdateVersion",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "UpdateVersion",
 "uri" : false
 },
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "UpdateVersion",
"setterDocumentation" : "<p>Specifies the latest version for the entity.<p>\n@param updateVersion Specifies the latest version for the entity.",
"setterMethodName" : "setUpdateVersion",
"setterModel" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "updateVersion",
 "variableType" : "Integer",
 "documentation" : null,
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "Integer",
 "variableName" : "updateVersion",
 "variableType" : "Integer",
 "documentation" : "<p>Specifies the latest version for the entity.</p>",
 "simpleType" : "Integer",
 "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
},

"beanStyleGetterMethodName" : "getStateAsString",
"beanStyleSetterMethodName" : "setState",
"c2jName" : "State",
"c2jShape" : "OptionState",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#builder(String)}.\n\n@see #stateAsString(String)\n\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #state(String)"
"deprecated" : false,
"documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
"enumType" : "OptionState",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "state",
"fluentEnumSetterMethodName" : "state",
"fluentGetterMethodName" : "stateAsString",
"fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@param state Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState
@return Returns a reference to this object so that method calls can be chained together.
@see OptionState",
"fluentSetterMethodName" : "state",
"getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
<p>If the service returns an enum value that is not available in the current SDK version, [@link #state] will return [@link OptionState#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #stateAsString].</p>
@return Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "State",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@param state Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state"
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "beanStyleGetterMethodName" : "getPendingDeletion",
  "beanStyleSetterMethodName" : "setPendingDeletion",
  "c2jName" : "PendingDeletion",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #pendingDeletion(Boolean)}.

@param pendingDeletion a consumer that will call methods on {@link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #pendingDeletion(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "pendingDeletion",
  "fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
Indicates whether the Elasticsearch domain is being deleted.

@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.

@return Returns a reference to this object so that method calls can be chained together.

@see #pendingDeletion(Boolean)

@deprecated
Indicates whether the Elasticsearch domain is being deleted.

@see #pendingDeletion(Boolean)

Indicates whether the Elasticsearch domain is being deleted.

Indicates whether the Elasticsearch domain is being deleted.

@see #pendingDeletion(Boolean)";
  "getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
Indicates whether the Elasticsearch domain is being deleted.

@see #pendingDeletion(Boolean)";
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PendingDeletion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PendingDeletion",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"setterDocumentation" : "&lt;p&gt;Indicates whether the Elasticsearch domain is being deleted.&lt;/p&gt;&lt;n&gt;\n@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.&lt;/p&gt;

"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "PendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "PendingDeletion",
  "variableType" : "Boolean",
  "documentation" : "&lt;p&gt;Indicates whether the Elasticsearch domain is being deleted.&lt;/p&gt;",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
} ]).
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "CreationDate", "UpdateDate", "State" ],
"shapeName" : "OptionStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "optionStatus",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"wrapper" : false
},
"PurchaseReservedElasticsearchInstanceOfferingRequest" : {
  "c2jName" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for parameters to

<code>PurchaseReservedElasticsearchInstanceOffering</code></p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "PurchaseReservedElasticsearchInstanceOffering",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/purchaseReservedInstanceOffering",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [ {
"beanStyleGetterMethodName": "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName": "setReservedElasticsearchInstanceOfferingId",
"c2jName": "ReservedElasticsearchInstanceOfferingId",
"c2jShape": "GUID",
"defaultConsumerFluentSetterDocumentation": "<p>The ID of the reserved Elasticsearch instance offering to
purchase.</p>\nThis is a convenience that creates an instance of the [@link
String.Builder] avoiding the need to
create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link
String.Builder#build()] is called immediately and its result is passed to [@link
#reservedElasticsearchInstanceOfferingId(String)] a consumer
that will call methods on [@link String.Builder]\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n"
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "\n@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase."
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "A customer-specified identifier to track this reservation."
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().
When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #reservationName(String).

@see #reservationName(String)
"deprecated" : false,
"documentation" : "A customer-specified identifier to track this reservation.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName".
"fluentSetterDocumentation" : "A customer-specified identifier to track this reservation.\n@param reservationName A customer-specified identifier to track this reservation.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservationName",
"getterDocumentation" : "A customer-specified identifier to track this reservation.\n@return A customer-specified identifier to track this reservation.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservationName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"setterDocumentation" : "A customer-specified identifier to track this reservation.\n@param reservationName A customer-specified identifier to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservationName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

  "beanStyleGetterMethodName" : "getInstanceCount",
  "beanStyleSetterMethodName" : "setInstanceCount",
  "c2jName" : "InstanceCount",
  "c2jShape" : "InstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link InstanceCount}.\n@see #InstanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "<p>The number of Elasticsearch instances to reserve.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "instanceCount",
  "fluentSetterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount The number of Elasticsearch instances to reserve.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "instanceCount",
  "getterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@return The number of Elasticsearch instances to reserve.",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"setterDocumentation" : "The number of Elasticsearch instances to reserve.",

The number of Elasticsearch instances to reserve.

"getterMethodName" : "getInstanceCount",
"getterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of Elasticsearch instances to reserve.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"xmlnsNameSpaceUri" : null
}],
"membersAsMap" : {
"InstanceCount" : {
  "beanStyleGetterMethodName" : "getInstanceCount",
  "beanStyleSetterMethodName" : "setInstanceCount",
  "c2jName" : "InstanceCount",
  "c2jShape" : "InstanceCount",
  "defaultValueSetterDocumentation" : "The number of Elasticsearch instances to reserve.
This is a convenience that creates an instance of the [Integer.Builder] avoiding the need to create one manually via [Integer.builder()]. When the [Consumer] completes, [link]
Integer.Builder#build()} is called immediately and its result is passed to { @link
instanceCount(Integer)}.

@par

Integer.Builder
@return Returns a reference to this object so that method calls can be chained together.

@see
instanceCount(Integer)

"deprecated" : false,
"documentation" : "<p>The number of Elasticsearch instances to reserve.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount The number of Elasticsearch instances to reserve.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@return The number of Elasticsearch instances to reserve.

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"setterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount
The number of Elasticsearch instances to reserve.

```
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "The number of Elasticsearch instances to reserve.
  
  \(<p>\)The number of Elasticsearch instances to reserve.\(<p>\)",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"ReservationName": {
  "beanStyleGetterMethodName": "getReservationName",
  "beanStyleSetterMethodName": "setReservationName",
  "c2jName": "ReservationName",
  "c2jShape": "ReservationToken",
  "defaultConsumerFluentSetterDocumentation": "A customer-specified identifier to track this reservation."
},
"param": {
  "name": "reservationName",
  "type": "String",
  "description": "A customer-specified identifier to track this reservation.
  
  \(<p>\)A customer-specified identifier to track this reservation.\(<p>\)",
  "deprecated": false,
  "documentation": "A customer-specified identifier to track this reservation."
},
"return": {
  "type": "ReservationName",
  "description": "A customer-specified identifier to track this reservation.
  
  \(<p>\)A customer-specified identifier to track this reservation.\(<p>\)"
}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservationName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservationName",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "ReservationName",

"setterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@param
reservationName A customer-specified identifier to track this reservation."

"setterMethodName" : "setReservationName",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservationName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservationName",
    "variableType" : "String",
    "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
    "simpleType" : "String"}
"variableSetterType" : "String",
",
"xmlNameSpaceUri" : null
},

"ReservedElasticsearchInstanceOfferingId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultValueConsumerFluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.
	When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)}.
	@see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
  "documentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@see #reservedElasticsearchInstanceOfferingId(String)",
  "getterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@return The ID of the reserved Elasticsearch instance offering to purchase.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstanceOfferingId(String)}@n@nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstanceOfferingId(String)} a consumer that will call methods on { @link String.Builder}@n@nReturns a reference to this object so that method calls can be chained together.@n@n@see #reservedElasticsearchInstanceOfferingId(String)",
",}
"deprecated": false,
"documentation": "The ID of the reserved Elasticsearch instance offering to purchase.",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation": "The ID of the reserved Elasticsearch instance offering to purchase.
\n@returns {string} The ID of the reserved Elasticsearch instance offering to purchase.
\n@example
@returns {string} The ID of the reserved Elasticsearch instance offering to purchase.

"getterDocumentation": "The ID of the reserved Elasticsearch instance offering to purchase.
\n@returns {string} The ID of the reserved Elasticsearch instance offering to purchase.
\n@example
@returns {string} The ID of the reserved Elasticsearch instance offering to purchase.

"getterModel": {
"returnType": "string",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ReservedElasticsearchInstanceOfferingId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedElasticsearchInstanceOfferingId",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation": "The ID of the reserved Elasticsearch instance offering to purchase.
\n@example
@returns {string} The ID of the reserved Elasticsearch instance offering to purchase.
\n@example
@returns {string} The ID of the reserved Elasticsearch instance offering to purchase.

"setterMethodName": "setReservedElasticsearchInstanceOfferingId",
"setterModel": {
"variableDeclarationType": "string"
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"defaultConsumerFluentSetterDocumentation" : "A customer-specified identifier to track this reservation."
"deprecated" : false,
"documentation" : "A customer-specified identifier to track this reservation."
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "A customer-specified identifier to track this reservation."
"getterDocumentation" : "A customer-specified identifier to track this reservation."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"requestMethod" : "GET",
"uri" : "/reservedElasticsearchInstanceOfferings/{reservedElasticsearchInstanceOfferingId}/reservationName",
"responseCode" : 200
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattned" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservationName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"setterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@param
reservationName A customer-specified identifier to track this reservation."
, "setterMethodNam" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getInstanceCount",
"getterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>
@p
reservationName A customer-specified identifier to track this reservation."
, "getterMethodNam" : "getInstanceCount",
"getterModel" : {
  "getterDeclarationType" : "String",
  "getterName" : "getInstanceCount",
  "getterType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "getterSimpleType" : "String",
  "getterVariableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleSetterMethodName": "setInstanceCount",
"c2jName": "InstanceCount",
"c2jShape": "InstanceCount",
"defaultConsumerFluentSetterDocumentation": "\n<p>The number of Elasticsearch instances to reserve.</p>
This is a convenience that creates an instance of the <code>@link Integer.Builder</code> avoiding the need to create one manually via <code>@link Integer#builder()</code>. When the <code>@link Consumer</code> completes, <code>@link Integer.Builder#build()</code> is called immediately and its result is passed to <code>@link #instanceCount(Integer)</code>.

\n@deprecated
\n@see #instanceCount(Integer)",
"deprecated": false,
"documentation": "\n<p>The number of Elasticsearch instances to reserve.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "instanceCount",
"fluentSetterDocumentation": "\n<p>The number of Elasticsearch instances to reserve.</p>
\n@param instanceCount The number of Elasticsearch instances to reserve.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see #instanceCount(Integer)",
"fluentSetterMethodName": "instanceCount",
"getterDocumentation": "\n<p>The number of Elasticsearch instances to reserve.</p>
\n@return The number of Elasticsearch instances to reserve.
\n@see #instanceCount(Integer)",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "InstanceCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "InstanceCount",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
The number of Elasticsearch instances to reserve.

```java
"setterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount

"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Elasticsearch instances to reserve.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ReservedElasticsearchInstanceOfferingId", "ReservationName" ],
"shapeName" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "variableName" : "purchaseReservedElasticsearchInstanceOfferingRequest",
  "variableType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "documentation" : null,
  "simpleType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "variableSetterType" : "PurchaseReservedElasticsearchInstanceOfferingRequest"
},
"wrapper" : false
}. "PurchaseReservedElasticsearchInstanceOfferingResponse" : {
  "c2jName" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "customization" : {
    "artificialResultWrapper" : null,
```
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Represents the output of a
<code>PurchaseReservedElasticsearchInstanceOffering</code> operation.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ]
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link
#reservedElasticsearchInstanceId(String)}.

@see #reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@see #reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@see #reservedElasticsearchInstanceId(String)",
"getterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@see #reservedElasticsearchInstanceId(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"setterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.",

"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
"simpleType" : "String",
"variableSetterType" : "String"}
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getReservationName",
  "beanStyleSetterMethodName" : "setReservationName",
  "c2jName" : "ReservationName",
  "c2jShape" : "ReservationToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier used to track this
reservation.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link
#reservationName(String)}.

When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link
String.Builder#build()}.

@see #reservationName(String)",
  "deprecated" : false,
  "documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservationName",
  "fluentSetterDocumentation" : "<p>The customer-specified identifier used to track this
reservation.</p>
"@param reservationName The customer-specified identifier used to track this
reservation.

@see #reservationName(String)",
  "fluentSetterMethodName" : "reservationName",
  "getterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
@see #reservationName(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservationName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservationName",
    "uri" : false
  },
  "idempotencyToken" : false,
ReservationName

The customer-specified identifier used to track this reservation.

@param reservationName The customer-specified identifier used to track this reservation.

@see #reservationName(String)
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "The customer-specified identifier used to track this reservation.
@param reservationName The customer-specified identifier used to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservationName",
"getterDocumentation" : "The customer-specified identifier used to track this reservation.
@param reservationName The customer-specified identifier used to track this reservation.
@return The customer-specified identifier used to track this reservation.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"setterDocumentation" : "The customer-specified identifier used to track this reservation.
@param reservationName The customer-specified identifier used to track this reservation.
@return The customer-specified identifier used to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}.
@param reservedElasticsearchInstanceId a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)",
  "deprecated" : false,
  "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
  "fluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@see #reservedElasticsearchInstanceId(String)",
  "getterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"setterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceId",
    "variableType" : "String",
    "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link ReservedElasticsearchInstanceId(String)}. a consumer that will call methods on {@link String.Builder} returns a reference to this object so that method calls can be chained together.

@see ReservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "Details of the reserved Elasticsearch instance which was purchased.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.
@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.
@return Details of the reserved Elasticsearch instance which was purchased.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"setterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getReservationName",
  "beanStyleSetterMethodName" : "setReservationName",
  "c2jName" : "ReservationName",
  "c2jShape" : "ReservationToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, the result is passed to the method calls to {\link String
#reservationName(String)}.\n\n@see #reservationName(String)"
},
"deprecated" : false,
"documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "The customer-specified identifier used to track this reservation.
@param reservationName The customer-specified identifier used to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "reservationName",
"getterDocumentation" : "The customer-specified identifier used to track this reservation.

@returns The customer-specified identifier used to track this reservation.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"setterDocumentation" : "The customer-specified identifier used to track this reservation.

@returns The customer-specified identifier used to track this reservation.
",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservationName",
    "variableType" : "String",
    "documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},

"variable" : {
    "variableDeclarationType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
    "variableName" : "purchaseReservedElasticsearchInstanceOfferingResponse",
    "variableType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
    "documentation" : null,
    "simpleType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
    "variableSetterType" : "PurchaseReservedElasticsearchInstanceOfferingResponse"
},

"wrapper" : false,

"RecurringCharge" : {
    "c2jName" : "RecurringCharge",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p>Contains the specific price and frequency of a recurring charges for a reserved Elasticsearch instance, or for a reserved Elasticsearch instance offering.</p>",
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getRecurringChargeAmount",
  "beanStyleSetterMethodName" : "setRecurringChargeAmount",
  "c2jName" : "RecurringChargeAmount",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The monetary amount of the recurring charge.&lt;/p&gt;&lt;n&gt;This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double#builder()}.&lt;n&gt;When the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link recurringChargeAmount(Double)}.
@see #recurringChargeAmount
@see #recurringChargeAmount(Double)",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The monetary amount of the recurring charge.&lt;/p&gt;&lt;n&gt;",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringChargeAmount",
  "fluentSetterDocumentation" : "&lt;p&gt;The monetary amount of the recurring charge.&lt;/p&gt;&lt;n&gt;so that method calls can be chained together.
@see recurringChargeAmount
@see recurringChargeAmount(Double)",
  "fluentSetterMethodName" : "recurringChargeAmount",
  "getterDocumentation" : "&lt;p&gt;The monetary amount of the recurring charge.&lt;/p&gt;&lt;n&gt;so that method calls can be chained together.
@see recurringChargeAmount
@see recurringChargeAmount(Double)",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "RecurringChargeAmount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RecurringChargeAmount",
    "uri" : false
  }
}];

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "RecurringChargeAmount",
"setterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
@param recurringChargeAmount The monetary amount of the recurring charge.
"setterMethodName" : "setRecurringChargeAmount",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : "<p>The monetary amount of the recurring charge.</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getRecurringChargeFrequency",
"beanStyleSetterMethodName" : "setRecurringChargeFrequency",
"c2jName" : "RecurringChargeFrequency",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The frequency of the recurring charge.</p>
@DefaultConsumerFluentSetter This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}. When the { @link String.Builder#build()} is called immediately and its result is passed to { @link #recurringChargeFrequency(String)}. @param recurringChargeFrequency a consumer that will call methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #recurringChargeFrequency(String)",
"deprecated" : false,
"documentation" : "<p>The frequency of the recurring charge.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeFrequency",
"fluentSetterDocumentation" : "<p>The frequency of the recurring charge.<p>\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "recurringChargeFrequency",
"getterDocumentation" : "<p>The frequency of the recurring charge.<p>\n@return The frequency of the recurring charge.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringChargeFrequency",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringChargeFrequency",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RecurringChargeFrequency",
"setterDocumentation" : "<p>The frequency of the recurring charge.<p>\n@param recurringChargeFrequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "recurringChargeFrequency",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency of the recurring charge.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "RecurringChargeAmount" : {
    "beanStyleGetterMethodName" : "getRecurringChargeAmount",
    "beanStyleSetterMethodName" : "setRecurringChargeAmount",
    "c2jName" : "RecurringChargeAmount",
    "c2jShape" : "Double",
    "defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
This is a convenience that creates an instance of the @link Double.Builder avoiding the need to create one manually via @link Double#builder().
When the @link Consumer completes, @link Double.Builder#build() is called immediately and its result is passed to @link recurringChargeAmount(Double).
@param recurringChargeAmount a consumer that will call methods on @link Double.Builder
@return Returns a reference to this object so that method calls can be chained together.@see #recurringChargeAmount(Double)",
    "deprecated" : false,
    "documentation" : "<p>The monetary amount of the recurring charge.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "recurringChargeAmount",
    "fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>\n@return\nThe monetary amount of the recurring charge.
\n@see \n#recurringChargeAmount(Double)",
    "getterDocumentation" : "<p>The monetary amount of the recurring charge.</p>",
    "getterModel" : {
      "returnType" : "Double",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
"setterDocumentation" : "The monetary amount of the recurring charge.",
"setterMethodName" : "setRecurringChargeAmount",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : "The monetary amount of the recurring charge.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlnsSpaceUri" : null
},
"RecurringChargeFrequency" : {
  "beanStyleGetterMethodName" : "getRecurringChargeFrequency",
  "beanStyleSetterMethodName" : "setRecurringChargeFrequency",
  "c2jName" : "RecurringChargeFrequency",
  "c2jShape" : "String"
The frequency of the recurring charge.</p>
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link recurringChargeFrequency(String)\}. Returns a reference to this object so that method calls can be chained together.

@see #recurringChargeFrequency(String)

@param recurringChargeFrequency a consumer that will call methods on \{@link String.Builder\}
@return Returns a reference to this object so that method calls can be chained together.

The frequency of the recurring charge.</p>

The frequency of the recurring charge.

The frequency of the recurring charge.

The frequency of the recurring charge.

The frequency of the recurring charge.

The frequency of the recurring charge.
"name" : "RecurringChargeFrequency",
"setterDocumentation" : "<p>The frequency of the recurring charge.</p>@param recurringChargeFrequency The frequency of the recurring charge.",
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "recurringChargeFrequency",
   "variableType" : "String",
   "documentation" : "null",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "recurringChargeFrequency",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
   {
      "beanStyleGetterMethodName" : "getRecurringChargeAmount",
      "beanStyleSetterMethodName" : "setRecurringChargeAmount",
      "c2jName" : "RecurringChargeAmount",
      "c2jShape" : "Double",
      "defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>@param recurringChargeAmount a consumer that will call methods on {Double.Builder} avoiding the need to create one manually via {Double#builder()}.@return Returns a reference to this object so that method calls can be chained together.@see #recurringChargeAmount(Double)"
   },
   "deprecated" : false,
   "documentation" : "<p>The monetary amount of the recurring charge.</p>",
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "recurringChargeAmount",
   "fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>@param recurringChargeAmount The monetary amount of the recurring charge.@return Returns a reference to this object so that method calls can be chained together.",
   "fluentSetterMethodName" : "recurringChargeAmount",
}
"getterDocumentation": "The monetary amount of the recurring charge.",
"getterModel": {
  "returnType": "Double",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "RecurringChargeAmount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RecurringChargeAmount",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "RecurringChargeAmount",
"setterDocumentation": "The monetary amount of the recurring charge.",
"setterMethodName": "setRecurringChargeAmount",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "recurringChargeAmount",
  "variableType": "Double",
  "documentation": null,
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "recurringChargeAmount",
  "variableType": "Double",
"documentation" : "The monetary amount of the recurring charge."},
"simpleType" : "Double",
"variableSetterType" : "Double"
}
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getRecurringChargeFrequency",
"beanStyleSetterMethodName" : "setRecurringChargeFrequency",
"c2jName" : "RecurringChargeFrequency",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The frequency of the recurring charge.\nThis is a convenience that creates an instance of the \@link String.Builder\] avoiding the need to create one manually via \@link String#builder()\].\n\nWhen the \@link Consumer\] completes, \@link String.Builder#build()\] is called immediately and its result is passed to \@link #recurringChargeFrequency(String)\].\n\n@param recurringChargeFrequency a consumer that will call methods on \@link String.Builder\]\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #recurringChargeFrequency(String)",
"deprecated" : false,
"documentation" : "The frequency of the recurring charge.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeFrequency",
"fluentSetterDocumentation" : "The frequency of the recurring charge.\n\n@param recurringChargeFrequency The frequency of the recurring charge.\n\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "recurringChargeFrequency",
"getterDocumentation" : "The frequency of the recurring charge.\n\n@return The frequency of the recurring charge.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringChargeFrequency",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringChargeFrequency"
The frequency of the recurring charge.

```
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : "The frequency of the recurring charge.

\<p\>The frequency of the recurring charge.<\p\>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "RecurringCharge",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "recurringCharge",
  "variableType" : "RecurringCharge",
  "documentation" : null,
"uri" : false
,"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RecurringChargeFrequency",
"setterDocumentation" : "&lt;p&gt;The frequency of the recurring charge.&lt;/p&gt;\n@param recurringChargeFrequency

The frequency of the recurring charge.",
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : "The frequency of the recurring charge.

\<p\>The frequency of the recurring charge.<\p\>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"wrapper" : false
},
"RemoveTagsRequest" : {
"c2jName" : "RemoveTagsRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshallers" : false,
 "staxTargetDepthOffset" : 0
 },
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the <code><a>RemoveTags</a></code> operation. Specify the <code>ARN</code> for the Elasticsearch domain from which you want to remove the specified <code>TagKey</code>.</p>
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasResponseMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
 "action" : "RemoveTags",
 "locationName" : null,
 "requestUri" : "/2015-01-01/tags-removal",
 "target" : null,
 "verb" : "POST",
 "xmlNameSpaceUri" : null
 },
"members" : [
 "beanStyleGetterMethodName" : "getArn",
 "beanStyleSetterMethodName" : "setArn",
 "c2jName" : "ARN",
 "c2jShape" : "ARN",
 "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
"deprecated" : false,
"documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>".
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "ARN",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ARN",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "STRING",
 "name" : "ARN",
 "setterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.",
"isStreaming" : false,
"isBinary" : false,
"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getTagKeys",
"beanStyleSetterMethodName": "setTagKeys",
"c2jName": "TagKeys",
"c2jShape": "StringList",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>\n\nThis is a convenience that creates an instance of the { @link List<String>.Builder } avoiding the need to create one manually via { @link List<String>#builder() }.\n\nWhen the { @link Consumer } completes, { @link List<String>.Builder#build() } is called immediately and its result is passed to { @link TagKeys(List<String>) }.\n@param tagKeys a consumer that will call methods on { @link List<String>.Builder }\n\n@see #tagKeys(List<String>)",
"deprecated": false,
"documentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "tagKeys",
"fluentSetterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>\n\n@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "tagKeys",
"getterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "TagKeys",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "TagKeys",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "String",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}.

@param member a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@n@n@param member

The new value for the Member property for this object.

@n@n@return Returns a reference to this object so that method calls can be chained together."
,
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@n@n@return The value of the Member property for this object."
,
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "member",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "member",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "STRING",
 "name" : "Member",
 "setterDocumentation" : "Sets the value of the Member property for this object.

@n@n@param member

The new value for the Member property for this object.

@n@n@return Returns a reference to this object so that method calls can be chained together."
,
 "setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"setterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.",
"setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null

"membersAsMap" : {
        "ARN" : {
            "beanStyleGetterMethodName" : "get Arn",
            "beanStyleSetterMethodName" : "set Arn",
            "c2jName" : "ARN",
            "c2jShape" : "ARN",
            "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
This is a convenience that creates an instance of the
{ @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}. @return a consumer that will call methods on { @link String.Builder}.

"deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.

@return Returns a reference to this object so that method calls can be chained together.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "arn",
        "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@arn a consumer that will call methods on { @link String.Builder}.

@see #arn(String)",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."
,"setterMethodName" : "setArn",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "arn",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "arn",
 "variableType" : "String",
 "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
","simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TagKeys" : {
 "beanStyleGetterMethodName" : "getTagKeys",
 "beanStyleSetterMethodName" : "setTagKeys",
 "c2jName" : "TagKeys",
 "c2jShape" : "StringList",
"defaultValueConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>\n\nThis is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.\n\nWhen the {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #tagKeys(List<String>)}.\n\n@param tagKeys a consumer that will call methods on {@link List<String>.Builder} \n\n@returns Returns a reference to this object so that method calls can be chained
@see #tagKeys(List<String>)

deprecated : false,
documentation : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>

enumType : null,
eventHeader : false,
eventPayload : false,
fluentEnumGetterMethodName : null,
fluentEnumSetterMethodName : null,
fluentGetterMethodName : "tagKeys",
fluentSetterDocumentation : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
fluentSetterMethodName : "tagKeys",
getterDocumentation : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.",
getterModel : {
   returnType : "java.util.List<String>",
documentation : null
},
http : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "TagKeys",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "TagKeys",
   "uri" : false
},
idempotencyToken : false,
isBinary : false,
"jsonValue" : false,
live : true,
listModel : {
   implType : "java.util.ArrayList",
   interfaceType : "java.util.List",
   listMemberModel : {
      beanStyleGetterMethodName : "getMember",
      },
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)].

@see #member(String)

@param member a consumer that will call methods on [link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.

@see #member(String)

@see #member(String)

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@see #member(String)

@return The value of the Member property for this object.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
,"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"setterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
,"setterMethodName" : "setTagKeys",
"setterModel" : {
"variableDeclarationType" : "java.util.ArrayList<String>",
"variableName" : "tagKeys",
"variableType" : "String"}
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "tagKeys",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
}
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #arn(String)].
@param arn a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #arn(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>\n@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.",
"getterModel" : {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ARN",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ARN",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"setterDocumentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.",
"setterMethodName": "setArn",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "arn",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "arn",
"variableType": "String",
"documentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>"
"complexType" : "String",
"variableSetterType" : "String"
}
,"xmlnsNameSpaceUri" : null
,
"beanStyleGetterMethodName" : "getTagKeys",
"beanStyleSetterMethodName" : "setTagKeys",
"c2jName" : "TagKeys",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link List&lt;String&gt; .Builder} avoiding the need to create one manually via { @link List&lt;String&gt;#builder()}.\n\nWhen the { @link List&lt;String&gt; .Builder#build()} is called immediately and its result is passed to { @link #tagKeys(List&lt;String&gt;)}.\n\n@see #tagKeys(List&lt;String&gt;)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "tagKeys",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
<\p>\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain."
,"getterModel" : {
 "returnType" : "java.util.List&lt;String&gt;",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
"simpleType" : "String",
"variableSetterType" : "String"
"marshallLocationName" : "TagKeys",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [%link String.Builder] avoiding the need to create one manually via [%link String#builder()]. When the [%link Consumer] completes, [%link String.Builder#build()] is called immediately and its result is passed to [%link #member(String)].
@see #member(String)"
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
,
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"setterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain."
,
"setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
,
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
,"simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
,
"xmlNameSpaceUri" : null
} ]
,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ARN", "TagKeys" ],
"shapeName" : "RemoveTagsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RemoveTagsRequest",
  "variableName" : "removeTagsRequest",
  "variableType" : "RemoveTagsRequest",
  "documentation" : null,
  "simpleType" : "RemoveTagsRequest",
  "variableSetterType" : "RemoveTagsRequest"
}
,"wrapper" : false
"RemoveTagsResponse" : {
  "c2jName" : "RemoveTagsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshallers" : [],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RemoveTagsResponse",
  "simpleMethod" : false,
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "RemoveTagsResponse",
    "variableName" : "removeTagsResponse",
    "variableType" : "RemoveTagsResponse",
    "documentation" : null,
    "simpleType" : "RemoveTagsResponse",
    "variableSetterType" : "RemoveTagsResponse"
  },
  "wrapper" : false
},
"ReservedElasticsearchInstance" : {
  "c2jName" : "ReservedElasticsearchInstance",
  "customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Details of a reserved Elasticsearch instance.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ]
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String.Builder#build()}.

@see #reservationName(String)"
"deprecated" : false,
"documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
"enumType" : null,
"eventHeader" : false,
"eventId" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "<p>The customer-specified identifier to track this reservation.
@see #reservationName(String)"
"documentation" : "<p>The customer-specified identifier to track this reservation.</p>
"returnType" : "String",
"getterModel" : { }
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via{@link String.Builder#builder()}.

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #reservedElasticsearchInstanceId(String).

@returns a consumer that will call methods on @link String.Builder@return Returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "The unique identifier for the reservation.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
@returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceId(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"setterDocumentation" : "<p>The unique identifier for the reservation.</p>
@param 
reservedElasticsearchInstanceId The unique identifier for the reservation.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstanceOfferingId(String)}.\n@param 
reservedElasticsearchInstanceOfferingId A consumer that will call methods on { @link String.Builder}\n@returns A reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
  "documentation" : "<p>The offering identifier.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName": "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation": "<p>The offering identifier.<br/>
@return Returns a reference to this object so that method calls can be chained together.
</p>\n@param reservedElasticsearchInstanceOfferingId The offering identifier.

@return The offering identifier.

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ReservedElasticsearchInstanceOfferingId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ReservedElasticsearchInstanceOfferingId",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "STRING",

"name": "ReservedElasticsearchInstanceOfferingId",

"setterDocumentation": "<p>The offering identifier.<br/>
@param reservedElasticsearchInstanceOfferingId The offering identifier.

@return Returns a reference to this object so that method calls can be chained together.
</p>\n@param reservedElasticsearchInstanceOfferingId The offering identifier.

@return The offering identifier.

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"timestampFormat": null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The offering identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchInstanceTypeAsString(String)}.\n@param elasticsearchInstanceType a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchInstanceType(String)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"fluentSetterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
If the service returns an enum value that is not available in the current SDK version, {@link #elasticsearchInstanceType} will return {@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}.\nThe raw value returned by the service is available from {@link #elasticsearchInstanceTypeAsString}.
@returns The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.<p>"@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
}
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant#builder()}. When the{@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to{@link #startTime(Instant)}. @param startTime a consumer that will call methods on {@link Instant.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #startTime(Instant)",
"deprecated" : false,
"documentation" : "<p>The time the reservation started.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTime",
"fluentSetterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "startTime",
"getterDocumentation" : "<p>The time the reservation started.</p>
@return The time the reservation started.",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTime",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTime"
"setterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>The time the reservation started.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getDuration",
  "beanStyleSetterMethodName" : "setDuration",
  "c2jName" : "Duration",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #duration(Integer)].

@param duration a consumer that will call methods on [@link Integer.Builder]
@return Returns a reference to this object so that method calls can be chained together.

@see #duration(Integer)"
  "deprecated" : false,
  "documentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "duration",
  "fluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@n@return Returns a reference to this object so that method calls can be chained together.

@see #duration(Integer)"
  "fluentSetterMethodName" : "duration",
  "getterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@n@return The duration, in seconds, for which the Elasticsearch instance is reserved.

@see #duration(Integer)"
  "getterModel" : {
"returnType": "Integer",
"documentation": null}
",
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Duration",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Duration",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "Duration",
"setterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.",
"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the Double.Builder avoiding the need to create one manually. When the Consumer completes, Double.Builder.build() is called immediately and its result is passed to fixedPrice(Double). Returns a reference to this object so that method calls can be chained together.

@deprecated false,

The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

enumType : null,

eventHeader : false,

eventPayload : false,

fluentEnumGetterMethodName : null,

fluentEnumSetterMethodName : null,

fluentGetterMethodName : "fixedPrice",

fluentSetterMethodName : "fixedPrice",

fluentSetterDocumentation : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

getterDocumentation : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

getterModel : {

returnType : "Double",

documentation : null
}

http : {

additionalMarshallingPath : null,

additionalUnmarshallingPath : null,

flattened : false,

greedy : false,

header : false,

isPayload : false,

isStreaming : false,

location : null,

marshallLocation : "PAYLOAD",

marshallLocationName : "FixedPrice",

queryString : false,

statusCode : false,

unmarshallLocationName : "FixedPrice",

"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"setterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getUsagePrice",
"beanStyleSetterMethodName" : "setUsagePrice",
"c2jName" : "UsagePrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance. </p>\nThis is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}.\n\nWhen the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link Double.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #usagePrice(Double)",
"deprecated" : false,
"documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "usagePrice",
"getterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
@return The rate you are charged for each hour for the domain that is using this reserved instance.",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"setterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.

@return The rate you are charged for each hour for the domain that is using this reserved instance.",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "usagePrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour for the domain that is using this reserved instance.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCurrencyCode",
"beanStyleSetterMethodName" : "setCurrencyCode",
"c2jName" : "CurrencyCode",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #currencyCode(String)\}.\n\n@deprecated @param currencyCode a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #currencyCode(String)",
"deprecated" : false,
"documentation" : "The currency code for the reserved Elasticsearch instance offering.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode",
"fluentSetterMethodName" : "currencyCode",
"fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.",
"getterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"returnType" : null,
"returnModel" : null,
"returns" : null,
"simpleType" : null,
"timestampFormat" : null,
"variable" : null,
"xmlNameSpaceUri" : null
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param
(currencyCode The currency code for the reserved Elasticsearch instance offering.).
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getElasticsearchInstanceCount",
"beanStyleSetterMethodName" : "setElasticsearchInstanceCount",
"c2jName" : "ElasticsearchInstanceCount",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "\nThe number of Elasticsearch instances that have been reserved.
This is a convenience that creates an instance of the (@link Integer.Builder) avoiding the need to create one manually via (@link Integer#builder()).\nWhen the (@link Consumer) completes, (@link Integer.Builder#build()) is called immediately and its result is passed to (@link #elasticsearchInstanceCount(Integer)).\n@return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchInstanceCount(Integer)",
"deprecated" : false,
"documentation" : "The number of Elasticsearch instances that have been reserved.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchInstanceCount",
"fluentSetterDocumentation" : "The number of Elasticsearch instances that have been reserved.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchInstanceCount",
"getterDocumentation" : "The number of Elasticsearch instances that have been reserved.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "ElasticsearchInstanceCount",
"setterDocumentation" : "The number of Elasticsearch instances that have been reserved.
@param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.

setterMethodName" : "setElasticsearchInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of Elasticsearch instances that have been reserved.
@param state The

This is a convenience that creates an instance of the {String.Builder} avoiding the need to create one manually via {String.Builder\n.When the {Consumer} completes, {String.Builder\n.is called immediately and its result is passed to {String}\n@rev @see #state(String)\n@rev deprecated\n@rev documentation" : "The state of the reserved Elasticsearch instance.

@rev enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "state",
"fluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.\n@rev @param state The
state of the reserved Elasticsearch instance.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "state",
"getterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>

@return The state of the reserved Elasticsearch instance.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "State",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>

@param state The state of the reserved Elasticsearch instance.

"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : "The state of the reserved Elasticsearch instance."

"variableSetterType" : "String"
}

"xmlNameSpaceUri" : null
}

"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering."

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #paymentOptionAsString(String)}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #paymentOptionAsString(String)}.

"deprecated" : false,

documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.

"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.

If the service returns an enum value that is not available in the current SDK version, { @link #paymentOption} will return { @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #paymentOptionAsString}.

If the service returns an enum value that is not available in the current SDK version, { @link #paymentOption} will return { @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #paymentOptionAsString}.

"getterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.

If the service returns an enum value that is not available in the current SDK version, { @link #paymentOption} will return { @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #paymentOptionAsString}.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.
" simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getRecurringCharges",
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList",

"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PaymentOption",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PaymentOption",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"setterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.",

"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getRecurringCharges",
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList"
"defaultConsumerFluentSetterDocumentation" : "\nThe charge to your account regardless of whether you are creating any domains using the instance offering.\nThis is a convenience that creates an instance of the List<RecurringCharge>.Builder avoiding the need to create one manually via List<RecurringCharge>#builder().\nWhen the Consumer completes, List<RecurringCharge>.Builder#build() is called immediately and its result is passed to recurringCharges(List<RecurringCharge>).\n\n@param recurringCharges a consumer that will call methods on recurringCharges(List<RecurringCharge>).\n@return Returns a reference to this object so that method calls can be chained together.\n@see #recurringCharges(List<RecurringCharge>)",
"deprecated" : false,
"documentation" : "\nThe charge to your account regardless of whether you are creating any domains using the instance offering.\n\n@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterDocumentation" : "\nThe charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return The charge to your account regardless of whether you are creating any domains using the instance offering.";
"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringCharges",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge.Builder].\nWhen the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge.Builder#member(RecurringCharge)]\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(RecurringCharge)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@returns The value of the Member property for this object.",
    "getterModel" : {
      "returnType" : "RecurringCharge",
      "documentation" : null
    },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
  },
}"
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": null,
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": "",
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "RecurringCharge",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "RecurringCharge",
"templateImplType": "java.util.ArrayList<RecurringCharge>",
"templateType": "java.util.List<RecurringCharge>",
"xmlNameSpaceUri": null
"name" : "RecurringCharges",
"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@returns The charge to your account regardless of whether you are creating any domains using the instance offering.

"setterMethodName" : "setRecurringCharges",
"setterModel" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : null,
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@returns The charge to your account regardless of whether you are creating any domains using the instance offering.

"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlnsNameSpaceUri" : null
}],
"membersAsMap" : {
  "CurrencyCode" : {
    "beanStyleGetterMethodName" : "getCurrencyCode",
    "beanStyleSetterMethodName" : "setCurrencyCode",
    "c2jName" : "CurrencyCode",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #currencyCode(String).

@returns Returns a reference to this object so that method calls can be chained together.

@see @link #currencyCode(String)"
  },
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.

@returns The currency code for the reserved Elasticsearch instance offering.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode",
"fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.

@returns The currency code for the reserved Elasticsearch instance offering.
"
Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName" : "currencyCode",
    "getterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.\n\n@return The currency code for the reserved Elasticsearch instance offering.\n    
getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
    "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "CurrencyCode",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "CurrencyCode",
    "uri" : false
},
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "CurrencyCode",
    "setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.\n\n@param currencyCode The currency code for the reserved Elasticsearch instance offering.\n    
setterMethodName" : "setCurrencyCode",
    "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "currencyCode",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
    "variableDeclarationType" : "String"
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Duration" : {
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultValueFluentSetterDocumentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.
This is a convenience that creates an instance of the [Integer.Builder] avoiding the need to create one manually via [Integer.builder()]. When the [Consumer] completes, [Integer.Builder#build()] is called immediately and its result is passed to [duration(Integer)].
@param duration a consumer that will call methods on [Integer.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)",
"deprecated" : false,
"documentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
@return Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",}
The duration, in seconds, for which the Elasticsearch instance is reserved.

This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link Consumer completes, [@link Integer.Builder#build] is called immediately and its result is passed to [@link ElasticsearchInstanceCount(Integer)].

@param elasticsearchInstanceCount a consumer that will call methods on [@link Integer.Builder]

@returns Returns a reference to this object so that method calls can be chained
together.

@see #elasticsearchInstanceCount(Integer)

"deprecated" : false,
"documentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchInstanceCount",
"fluentSetterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchInstanceCount",
"getterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@return The number of Elasticsearch instances that have been reserved.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "ElasticsearchInstanceCount",
"setterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@param ElasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.",
"setterMethodName" : "setElasticsearchInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "elasticsearchInstanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of Elasticsearch instances that have been reserved.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
,
"ElasticsearchInstanceType" : {
  "beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceType",
  "c2jName" : "ElasticsearchInstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via

When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to

The Elasticsearch instance type offered by the reserved instance offering.

Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchInstanceType(String)

"deprecated" : false,
"documentation" : "The Elasticsearch instance type offered by the reserved instance offering.",
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.

When the service returns an enum value that is not available in the current SDK version, [ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]

The raw value returned by the service is available from [ESPartitionInstanceType]"
@return The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "ElasticsearchInstanceType",
"setterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.<p>The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType

```
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
""
"variableType" : "String",
"documentation" : "&lt;p&gt;The Elasticsearch instance type offered by the reserved instance offering.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FixedPrice" : {
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;&lt;para&gt;This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double.Builder#builder()}. When the @link Double.Builder@ Consumer] completes, [ @link Double.Builder#build() is called immediately and its result is passed to [ @link #fixedPrice(Double)@. &lt;/para&gt;@param fixedPrice a consumer that will call methods on [ @link Double.Builder]@. @return Returns a reference to this object so that method calls can be chained together.@."
"deprecated" : false,
"documentation" : "&lt;p&gt;The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "&lt;p&gt;The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;&lt;para&gt;The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.&lt;/para&gt; @return Returns a reference to this object so that method calls can be chained together.@."
"fluentSetterMethodName" : "fixedPrice",
"getterDocumentation" : "&lt;p&gt;The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;@return The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FixedPrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"setterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>\n@\param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.\n",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>\n",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
  "beanStyleGetterMethodName" : "getPaymentOptionAsString",
  "beanStyleSetterMethodName" : "setPaymentOption",
  "c2jName" : "PaymentOption",
  "c2jShape" : "ReservedElasticsearchInstancePaymentOption",
  "defaultConsumerFluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.\n</p>\n",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlnsNameSpaceUri" : null
}
avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String#builder()} is called immediately and its result is passed to {#paymentOptionAsString(String)}. Returns a reference to this object so that method calls can be chained together.

@see #paymentOption(String)

"deprecated" : false,
"documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>",
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>

If the service returns an enum value that is not available in the current SDK version, {#paymentOption} will return {ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {#paymentOptionAsString}.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"setterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.\n@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.\n@see ReservedElasticsearchInstancePaymentOption</p>",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
  "beanStyleGetterMethodName" : "getRecurringCharges",
  "beanStyleSetterMethodName" : "setRecurringCharges",
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.\nThis is a convenience that creates an instance of the {\link List<RecurringCharge>.Builder} avoiding the need to create one manually via {\link List<RecurringCharge>#builder()}.\nWhen the {\link Consumer} completes, {\link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to {\link #recurringCharges(List<RecurringCharge>)}.\n@param recurringCharges a consumer that will call methods on {\link List<RecurringCharge>.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see recurringCharges(List<RecurringCharge>)</p>",
  "deprecated" : false,
  "documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering. \n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n</p>"
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n</p>"
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns{String} The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException."
,"getterModel" : {
"returnType" : "java.util.List<RecurringCharge>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringCharges",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "RecurringCharge",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { RecurringCharge.Builder } avoiding the need to create one manually via { RecurringCharge.Builder }.\nWhen the { Consumer } completes,\n{ RecurringCharge.Builder.build() } is called immediately and its result is passed to {\n"}
@param member a consumer that will call methods on [RecurringCharge.Builder]

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(RecurringCharge)

The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

setterDocumentation: "Sets the value of the Member property for this object.

setterMethodName: "member",

getterDocumentation: "Returns the value of the Member property for this object.

getterMethodName: "member",

getterModel: {
  "returnType": "RecurringCharge",
  "documentation": null
},

http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},

idempotencyToken: false,

isBinary: false,

jsonValue: false,

list: false,

listModel: null,

map: false,

mapModel: null,

marshallingType: "SDK_POJO",

name: "Member",

setterDocumentation: "Sets the value of the Member property for this object.

setterMethodName: "member",

setterDocumentation: "Sets the value of the Member property for this object.

setterMethodName: "member",

getterDocumentation: "Returns the value of the Member property for this object.

getterMethodName: "member",

getterModel: {
  "returnType": "RecurringCharge",
  "documentation": null
},

http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},

idempotencyToken: false,

isBinary: false,

jsonValue: false,

list: false,

listModel: null,

map: false,

mapModel: null,

marshallingType: "SDK_POJO",

name: "Member",

setterDocumentation: "Sets the value of the Member property for this object.

setterMethodName: "member",

getterDocumentation: "Returns the value of the Member property for this object.

getterMethodName: "member",

getterModel: {
  "returnType": "RecurringCharge",
  "documentation": null
},

http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},

idempotencyToken: false,
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"setterDocumentation" : "\n\nThe charge to your account regardless of whether you are creating any domains using the instance offering.\n\n@\n@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.\n",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : null,
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
},
"ReservationName" : {
  "beanStyleGetterMethodName" : "getReservationName",
  "beanStyleSetterMethodName" : "setReservationName",
  "c2jName" : "ReservationName",
  "c2jShape" : "ReservationToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)}.\n\n@see #reservationName(String)",
  "deprecated" : false,
  "documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservationName",
  "fluentSetterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>\n@param reservationName The customer-specified identifier to track this reservation.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
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```
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservationName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"setterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>
@param reservationName The customer-specified identifier to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a
convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstanceId(String)].

@param reservedElasticsearchInstanceId a consumer that will call methods on [@link String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceId(String)

"deprecated" : false,
"documentation" : "<p>The unique identifier for the reservation.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>

@param reservedElasticsearchInstanceId The unique identifier for the reservation.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "<p>The unique identifier for the reservation.</p>

@return The unique identifier for the reservation.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING"
"name" : "ReservedElasticsearchInstanceId",
"setterDocumentation" : "<p>The unique identifier for the reservation.</p>
@param reservedElasticsearchInstanceId The unique identifier for the reservation.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the reservation.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferingId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.</p>
  This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)}.
  @param reservedElasticsearchInstanceOfferingId a consumer that will call methods on {@link String.Builder}.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
  "documentation" : "<p>The offering identifier.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "<p>The offering identifier.</p>
  @param reservedElasticsearchInstanceOfferingId The offering identifier.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId"
"getterDocumentation" : "<p>The offering identifier.</p>\n@return The offering identifier.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "<p>The offering identifier.</p>\n@param reservedElasticsearchInstanceOfferingId The offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The offering identifier.</p>"
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"StartTime": {
"beanStyleGetterMethodName": "getStartTime",
"beanStyleSetterMethodName": "setStartTime",
"c2jName": "StartTime",
"c2jShape": "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation": "<p>The time the reservation started.</p><p>This is a
convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via
[@link Instant#builder()].
When the [@link Consumer] completes, [@link Instant.Builder#build()] is called
immediately and its result is passed to [@link #startTime(Instant)].
@see #startTime(Instant)",
"deprecated": false,
"documentation": "The time the reservation started.",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "startTime",
"fluentSetterDocumentation": "The time the reservation started.
@return Returns a reference to this object so that method calls can be chained
together.
@see #startTime(Instant)",
"getterModel": {
"returnType": "java.time.Instant",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "StartTime",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "StartTime",
"uri": false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTime",
"setterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.
",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>The time the reservation started.</p>
",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "beanStyleGetterMethodName" : "getState",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder()]
When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #state(String)].
@see #state(String)
",
  "deprecated" : false,
  "documentation" : "<p>The state of the reserved Elasticsearch instance.</p>
",
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "state",
"fluentSetterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@param state The state of the reserved Elasticsearch instance.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "state",
"getterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@return The state of the reserved Elasticsearch instance.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "State",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@param state The state of the reserved Elasticsearch instance.
@return The state of the reserved Elasticsearch instance.",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "The state of the reserved Elasticsearch instance.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
  "beanStyleGetterMethodName" : "getUsagePrice",
  "beanStyleSetterMethodName" : "setUsagePrice",
  "c2jName" : "UsagePrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "The rate you are charged for each hour for the domain that is using this reserved instance.

This is a convenience that creates an instance of the \{@link Double.Builder\} avoiding the need to create one manually via \{@link Double#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #usagePrice(Double)\}.

@see #usagePrice(Double)",
  "deprecated" : false,
  "documentation" : "The rate you are charged for each hour for the domain that is using this reserved instance.

The rate you are charged for each hour for the domain that is using this reserved instance.

When the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #usagePrice(Double)\}.

@see #usagePrice(Double)",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "usagePrice",
  "fluentSetterDocumentation" : "The rate you are charged for each hour for the domain that is using this reserved instance.

The rate you are charged for each hour for the domain that is using this reserved instance.

When the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #usagePrice(Double)\}.

@see #usagePrice(Double)",
  "getterDocumentation" : "The rate you are charged for each hour for the domain that is using this reserved instance.

The rate you are charged for each hour for the domain that is using this reserved instance.

When the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #usagePrice(Double)\}.

@see #usagePrice(Double)",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"setterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>\n@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
}
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getReservationName",
  "beanStyleSetterMethodName" : "setReservationName",
  "c2jName" : "ReservationName",
  "c2jShape" : "ReservationToken",
  "defaultConsumerFluentSetterDocumentation" : ":<p>The customer-specified identifier to track this reservation.</p>
  "deprecated" : false,
  "documentation" : ":<p>The customer-specified identifier to track this reservation.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservationName",
  "fluentSetterDocumentation" : ":<p>The customer-specified identifier to track this reservation.</p>
  "fluentSetterMethodName" : "reservationName",
  "getterDocumentation" : ":<p>The customer-specified identifier to track this reservation.</p>
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservationName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservationName",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "isStreamingMembers" : []
}];
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"setterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>
@param 
reservationName The customer-specified identifier to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()].

When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #reservedElasticsearchInstanceId(String)].

@<p>The unique identifier for the reservation.</p>
@return Returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceId(String)",
  "deprecated" : false,
  "documentation" : "<p>The unique identifier for the reservation.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
The unique identifier for the reservation.

- **@param reservedElasticsearchInstanceId** The unique identifier for the reservation.
- **@return** Returns a reference to this object so that method calls can be chained together.

```java
public ReservedElasticsearchInstanceId getReservedElasticsearchInstanceId()
{
    return reservedElasticsearchInstanceId;
}

public ReservedElasticsearchInstanceId setReservedElasticsearchInstanceId(ReservedElasticsearchInstanceId reservedElasticsearchInstanceId)
{
    this.reservedElasticsearchInstanceId = reservedElasticsearchInstanceId;
    return this;
}
```

The unique identifier for the reservation.

```java
public String getReservedElasticsearchInstanceId()
{
    return reservedElasticsearchInstanceId;
}

public void setReservedElasticsearchInstanceId(String reservedElasticsearchInstanceId)
{
    this.reservedElasticsearchInstanceId = reservedElasticsearchInstanceId;
}
```
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.\n</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)}\n\n@see
@return

#reservedElasticsearchInstanceOfferingId(String)",
"deprecated" : false,
"documentation" : "<p>The offering identifier.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The offering identifier.</p>
\n@see
@return

reservedElasticsearchInstanceOfferingId The offering identifier.\n@return

Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier.</p>\n@see
@return

The offering identifier.\n",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "The offering identifier.

@param reservedElasticsearchInstanceOfferingId

The offering identifier.",
"setterMethodname" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "The offering identifier.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, the String#build() is called immediately and its result is passed to the ElasticsearchInstanceType a consumer that will call
methods on `String.Builder
@link String.Builder
@returns Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchInstanceType(String)
"deprecated" : false,
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@see ESPartitionInstanceType
@returns Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"fluentSetterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
If the service returns an enum value that is not available in the current SDK version, [ @link #elasticsearchInstanceType ] will return [ @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION ]. The raw value returned by the service is available from [ @link #elasticsearchInstanceTypeAsString ].
@returns The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallerType": "STRING",
"name": "ElasticsearchInstanceType",
"setterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"setterMethodName": "setElasticsearchInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchInstanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchInstanceType",
  "variableType": "String",
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getStartTime",
  "beanStyleSetterMethodName": "setStartTime",
  "c2jName": "StartTime",
  "c2jShape": "UpdateTimestamp",
  "defaultConsumerFluentSetterDocumentation": "<p>The time the reservation started.</p>
This is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via
[@link Instant#builder()].
When the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to
[@link #startTime(Instant)].
@return Returns a reference to this object so that method calls can be chained together.
@see #startTime(Instant)",
  "deprecated": false,
  "documentation": "<p>The time the reservation started.</p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentMethodName": "startTime",
  "fluentSetterDocumentation": "<p>The time the reservation started.</p>
@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName": "startTime",
  "getterDocumentation": "<p>The time the reservation started.</p>
@return The time the reservation started.
"}
"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StartTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StartTime",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,

"marshallingType" : "INSTANT",
"name" : "StartTime",
"setterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>The time the reservation started.</p>",
  "simpleType" : "Instant"
"variableSetterType" : "java.time.Instant"
},
"xmlnsSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultValueSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].
When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #duration(Integer)].
@param duration a consumer that will call methods on [@link Integer.Builder]@return Returns a reference to this object so that method calls can be chained together.@see #duration(Integer)",
"deprecated" : false,
"documentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@return The duration, in seconds, for which the Elasticsearch instance is reserved.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "Duration",
"setterDocumentation": "\<p>The duration, in seconds, for which the Elasticsearch instance is reserved.\</p>\n\@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.\",
"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": \"p\nThe duration, in seconds, for which the Elasticsearch instance is reserved.\</p\\n",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlnsSpaceUri": null
}, {
  "beanStyleGetterMethodName": "getFixedPrice",
  "beanStyleSetterMethodName": "setFixedPrice",
  "c2jName": "FixedPrice",
  "c2jShape": "Double",
  "deprecated": false,
  "documentation": \"p\nThe upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. \</p\\nThis is a convenience that creates an instance of the \{ @link Double.Builder\} avoiding the need to create one manually via \{ @link Double#builder()\}. \n\nWhen the \{ @link Double.Consumer\} completes, \{ @link Double.Builder#build()\} is called immediately and its result is passed to \{ @link #fixedPrice(Double)\}. \n\n@return Returns a reference to this object so that method calls can be chained together.\n\@see #fixedPrice(Double)\",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "fixedPrice",
"getterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@return The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",

"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "FixedPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FixedPrice",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"setterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double"}
The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

The rate you are charged for each hour for the domain that is using this reserved instance. This is a convenience that creates an instance of the Double.Builder avoiding the need to create one manually via Double.builder(). When the Consumer completes, Double.Builder.build() is called immediately and its result is passed to #usagePrice(Double). @param usagePrice a consumer that will call methods on Double.Builder.@return Returns a reference to this object so that method calls can be chained together.

The rate you are charged for each hour for the domain that is using this reserved instance.
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"setterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.
",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
The currency code for the reserved Elasticsearch instance offering.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #currencyCode(String). Returns a reference to this object so that method calls can be chained together. Returns a reference to this object so that method calls can be chained together.

The currency code for the reserved Elasticsearch instance offering.

The currency code for the reserved Elasticsearch instance offering.

The currency code for the reserved Elasticsearch instance offering.
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"setterDocumentation" : 
"The currency code for the reserved Elasticsearch instance offering.

@param currencyCode The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : 
  "The currency code for the reserved Elasticsearch instance offering.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getElasticsearchInstanceCount",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceCount",
  "c2jName" : "ElasticsearchInstanceCount",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : 
  "The number of Elasticsearch instances that have been reserved.

This is a convenience that creates an instance of the Integer.Builder avoiding the need to create one manually via Integer.builder(). When the Consumer completes, Integer.Builder.build() is called immediately and its result is passed to ElasticsearchInstanceCount.

@param elasticsearchInstanceCount a consumer that will call methods on ElasticsearchInstanceCount.
@return Returns a reference to this object so that method calls can be chained together.
@see ElasticsearchInstanceCount"
  "deprecated" : false,
  "documentation" : 
  "The number of Elasticsearch instances that have been reserved.",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchInstanceCount"}
The number of Elasticsearch instances that have been reserved.

```java
@Param elasticsearchInstanceCount

@Returns A reference to this object so that method calls can be chained together.

@getter

The number of Elasticsearch instances that have been reserved.

```java

@setter

The number of Elasticsearch instances that have been reserved.
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of Elasticsearch instances that have been reserved.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getState",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #state(String).
@param state a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #state(String)",
  "deprecated" : false,
  "documentation" : "The state of the reserved Elasticsearch instance.",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "state",
  "fluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.
@param state The state of the reserved Elasticsearch instance.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "state",
  "getterDocumentation" : "The state of the reserved Elasticsearch instance.
@return The state of the reserved Elasticsearch instance.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD"
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "State",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@param state The state of the reserved Elasticsearch instance.",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the reserved Elasticsearch instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>
This is a convenience that creates an instance of the \{@link String.Builder\}
avoiding the need to create one manually via \{@link String#builder()\}.\nWhen the \{@link Consumer\} completes,\n\{@link String.Builder#build()\} is called immediately and its result is passed to \{@link \n#paymentOptionAsString(String)\}.\n\n@par...
# paymentOption(String)

- "deprecated" : false,
- "documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>",
- "enumType" : "ReservedElasticsearchInstancePaymentOption",
- "eventHeader" : false,
- "eventPayload" : false,
- "fluentEnumGetterMethodName" : "paymentOption",
- "fluentEnumSetterMethodName" : "paymentOption",
- "fluentGetterMethodName" : "paymentOptionAsString",
- "fluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>

If the service returns an enum value that is not available in the current SDK version, [@link #paymentOption]{@link #paymentOption#UNKNOWN_TO_SDK_VERSION} will return. The raw value returned by the service is available from [@link paymentOptionAsString]{@link paymentOptionAsString}. The payment option as defined in the reserved Elasticsearch instance offering.

- "getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
- "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
- "idempotencyToken" : false,
- "isBinary" : false,
- "jsonValue" : false,
- "list" : false,
- "listModel" : null,
- "map" : false,
- "mapModel" : null,
- "marshallingType" : "STRING".
"name": "PaymentOption",
"setterDocumentation": "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>
@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.
@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName": "setPaymentOption",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "paymentOption",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "paymentOption",
  "variableType": "String",
  "documentation": "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getRecurringCharges",
"beanStyleSetterMethodName": "setRecurringCharges",
"c2jName": "RecurringCharges",
"c2jShape": "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
@This is a convenience that creates an instance of the {@link List<RecurringCharge>.Builder} avoiding the need to create one manually via {@link List<RecurringCharge>#builder()}. When the {@link Consumer} completes, {@link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to {@link #recurringCharges(List<RecurringCharge>)}. Returns a reference to this object so that method calls can be chained together.
@see #recurringCharges(List<RecurringCharge>)",
"deprecated": false,
"documentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"enumType": null,
"eventId": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringCharges",
"fluentSetterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>"
whether you are creating any domains using the instance offering.

```
return
```

Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "recurringCharges",

"getterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

</p>

@return The charge to your account regardless of whether you are creating any domains using the instance offering.",

"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringCharges",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [@link RecurringCharge.Builder] avoiding the need to create one manually via [@link RecurringCharge#builder()].

When the [@link Consumer] completes, [@link RecurringCharge.Builder#build()] is called immediately and its result is passed to [@link #member(RecurringCharge)].

@tag @param member a consumer that will call methods on [@link RecurringCharge.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(RecurringCharge)"
  "deprecated" : false,
  "documentation" : ""
}
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object."

"getterModel" : {
    "returnType" : "RecurringCharge",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "RecurringCharge",
    "variableName" : "member",
    "variableType" : "RecurringCharge"
The charge to your account regardless of whether you are creating any domains using the instance offering.

```java
public void setRecurringCharges(List<RecurringCharge> recurringCharges)
```

```java
public List<RecurringCharge> getRecurringCharges()
```
The charge to your account regardless of whether you are creating any domains using the instance offering.

Details of a reserved Elasticsearch instance offering.

Details of a reserved Elasticsearch instance offering.

Details of a reserved Elasticsearch instance offering.

Details of a reserved Elasticsearch instance offering.

Details of a reserved Elasticsearch instance offering.
"members" : [ {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
  This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)}.  
  @param reservedElasticsearchInstanceOfferingId a consumer that will call methods on {@link String.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  @see #reservedElasticsearchInstanceOfferingId(String)"
},
  "deprecated" : false,
  "documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
  @param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #reservedElasticsearchInstanceOfferingId(String)"
},
  "getterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link ElasticsearchInstanceTypeAsString(String)].
@see ElasticsearchInstanceType
@see ElasticsearchInstanceTypeAsString(String)
@see ElasticsearchInstanceType
@see ElasticsearchInstanceTypeAsString(String)
"deprecated" : false,
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType"
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType\n@returns Returns a reference to this object so that method calls can be chained together.\n@see ESPartitionInstanceType",
"getterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\nIf the service returns an enum value that is not available in the current SDK version, [ @link #elasticsearchInstanceType ] will return [ @link #elasticsearchInstanceType#UNKNOWN_TO_SDK_VERSION ]. The raw value returned by the service is available from [ @link #elasticsearchInstanceTypeAsString ].\n@returns The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType\n@returns Returns a reference to this object so that method calls can be chained together.\n@see ESPartitionInstanceType",
"setterMethodId" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType"
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String",
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

  ",
  "beanStyleGetterMethodName" : "getDuration",
  "beanStyleSetterMethodName" : "setDuration",
  "c2jName" : "Duration",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Integer.Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #duration(Integer)}. Returns a reference to this object so that method calls can be chained together.
  
  
  
  "deprecated" : false,
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "duration",
  "fluentSetterMethodName" : "duration",
  "fluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
  @param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

  @return Returns a reference to this object so that method calls can be chained together.
  
  
  "getterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>

  @param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

  @return Returns a reference to this object so that method calls can be chained together.
  
  
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
{idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Duration",
"setterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>

@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.",

"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double.Builder#builder()}. When the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link #fixedPrice(Double)}. Returns a reference to this object so that method calls can be chained together.

see #fixedPrice(Double)",
"deprecated" : false,
"documentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering."
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "fixedPrice",
"getterDocumentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering."
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FixedPrice",
"uri" : false
},
"idempotencyToken" : false,
The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. 

```xml
<param name="fixedPrice">
The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.
</param>
```

```java
.getFixedPrice()
```

```java
.setFixedPrice(double fixedPrice)
```

### Default Consumer Fluent Setter Documentation

This is a convenience that creates an instance of the `{@link Double.Builder}` avoiding the need to create one manually via `{@link Double#builder()}`. When the `{@link Consumer}` completes, `{@link Double.Builder#build()}` is called immediately and its result is passed to `{@link usagePrice(Double)}`.

```java
@usagePrice(Double)
```

```java
@see #usagePrice(Double)
```

```java
@deprecated
```

### Simple Type

```java
Double
```

### XML NameSpace URI

null
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@return The rate you are charged for each hour the domain that is using the offering is running.",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"setterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "usagePrice",
"variableType" : "Double"
The rate you are charged for each hour the domain that is using the offering is running.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #currencyCode(String)}.

@see #currencyCode(String)
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName" : "setCurrencyCode",
"setterModel" : { 
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : { 
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, { 
  "beanStyleGetterMethodName" : "getPaymentOptionAsString",
  "beanStyleSetterMethodName" : "setPaymentOption",
  "c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",

"defaultConsumerFluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.\n@param paymentOption a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #paymentOption(String)",

"deprecated" : false,

"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",

"enumType" : "ReservedElasticsearchInstancePaymentOption",

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : "paymentOption",

"fluentEnumSetterMethodName" : "paymentOption",

"fluentGetterMethodName" : "paymentOptionAsString",

"fluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>\n@see ReservedElasticsearchInstancePaymentOption\n@return Returns a reference to this object so that method calls can be chained together.\n@see ReservedElasticsearchInstancePaymentOption",

"fluentSetterMethodName" : "paymentOption",

"getterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>\nIf the service returns an enum value that is not available in the current SDK version, {@link #paymentOption} will return [{@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}]. The raw value returned by the service is available from {@link #paymentOptionAsString}.\n@return Payment option for the reserved Elasticsearch instance offering\n@see ReservedElasticsearchInstancePaymentOption",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocation" : "PAYLOAD",  
  "marshallLocationName" : "PaymentOption",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "PaymentOption",  
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "PaymentOption",
"setterDocumentation": "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption",

"setterMethodName": "setPaymentOption",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "paymentOption",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "paymentOption",
"variableType": "String",
"documentation": "<p>Payment option for the reserved Elasticsearch instance offering</p>",
"simpleType": "String",
"variableSetterType": "String"
},

"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getRecurringCharges",
"beanStyleSetterMethodName": "setRecurringCharges",
"c2jName": "RecurringCharges",
"c2jShape": "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the [@link List<RecurringCharge>.Builder] avoiding the need to create one manually via [@link List<RecurringCharge>#builder()]. When the [@link Consumer] completes, [@link List<RecurringCharge>.Builder#build()] is called immediately and its result is passed to [@link #recurringCharges(List<RecurringCharge>)].
@see #recurringCharges(List<RecurringCharge>)",

"deprecated": false,
"documentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringCharges",
"fluentSetterDocumentation": "\texttt{\textbackslash@}{\textbackslash}param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.\texttt{\textbackslash}@}{\textbackslash}return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "recurringCharges",
"getterDocumentation": "\texttt{\textbackslash@}{\textbackslash}param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.\texttt{\textbackslash}@}{\textbackslash}return Returns a reference to this object so that method calls can be chained together."

"getterModel": {
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   "documentation": null
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"http": {
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   "additionalUnmarshallingPath": null,
   "flattened": false,
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   "isStreaming": false,
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   "queryString": false,
   "statusCode": false,
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"idempotencyToken": false,
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      "c2jName": "member",
      "c2jShape": "RecurringCharge",
      "defaultConsumerFluentSetterDocumentation": "\texttt{\textbackslash}@}{\textbackslash}link RecurringCharge.Builder\texttt{\textbackslash}@}{\textbackslash}Sets the value of the Member property for this object.\texttt{\textbackslash}@}{\textbackslash}nThis is a convenience that creates an instance of the [\texttt{\textbackslash}@}{\textbackslash}link RecurringCharge.Builder\texttt{\textbackslash}@}{\textbackslash} avoids the need to create one manually via \texttt{\textbackslash}@}{\textbackslash}link RecurringCharge#builder()\texttt{\textbackslash}@}{\textbackslash}n\nWhen the [\texttt{\textbackslash}@}{\textbackslash}link Consumer\texttt{\textbackslash}@}{\textbackslash} completes,
{@link RecurringCharge.Builder#build()} is called immediately and its result is passed to {@link #member(RecurringCharge)}

@param member a consumer that will call methods on {@link RecurringCharge.Builder}

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(RecurringCharge)

The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(RecurringCharge)

Sets the value of the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(RecurringCharge)

Returns the value of the Member property for this object.

@returns The value of the Member property for this object.

@see #member(RecurringCharge)
value for the Member property for this object.

@setterDocumentation The charge to your account regardless of whether you are creating any domains using the instance offering.

@setterMethod RecurringCharges


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    "fluentSetterDocumentation": "<p>The currency code for the reserved Elasticsearch instance offering.</p>"
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The currency code for the reserved Elasticsearch instance offering.

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    "variableSetterType" : "String"
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    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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    "c2jShape" : "Integer",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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    "documentation" : "The currency code for the reserved Elasticsearch instance offering.",
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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    "beanStyleSetterMethodName" : "setDuration",
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    "c2jShape" : "Integer",
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    "simpleType" : "String",
    "variableSetterType" : "String"
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    "documentation" : "The currency code for the reserved Elasticsearch instance offering.",
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "c2jShape" : "Integer",
"setterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.",
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    "documentation" : "The currency code for the reserved Elasticsearch instance offering.",
    "simpleType" : "String",
    "variableSetterType" : "String"
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    "simpleType" : "String",
    "variableSetterType" : "String"
}
```
"defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>

This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #duration(Integer)}.

When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #duration(Integer)}.

@Deprecated
@param duration a consumer that will call methods on {@link Integer.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)",

"documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>

@Deprecated
@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
@return Returns a reference to this object so that method calls can be chained together.",

"getDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>

@Deprecated
@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
@return Returns a reference to this object so that method calls can be chained together.",

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    "marshallLocationName" : "Duration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Duration",
    "uri" : false
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"idempotencyToken" : false,
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@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance."

"setterMethodName": "setDuration",
"setterModel": {
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  "variableSetterType": "Integer"
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"simple": true,
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  "variableType": "Integer",
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  "beanStyleSetterMethodName": "setElasticsearchInstanceType",
  "c2jName": "ElasticsearchInstanceType",
  "c2jShape": "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the [@link Consumer] completes, the String.Builder is called immediately and its result is passed to [elasticsearchInstanceTypeAsString(String)].

@returns Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchInstanceType(String)
"deprecated": false,
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
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  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.
"deprecated": false,
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
"enumType": "ESPartitionInstanceType",
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  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.
"deprecated": false,
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType

@return Returns a reference to this object so that method calls can be chained together.

@see ESPartitionInstanceType

"fluentSetterMethodName" : "elasticsearchInstanceType",

"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>

If the service returns an enum value that is not available in the current SDK version, [ @link 
#elasticsearchInstanceType ] will return [ @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION ].

The raw value returned by the service is available from [ @link 
#elasticsearchInstanceTypeAsString ].

@return The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType

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"http" : {
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"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>

@see ESPartitionInstanceType

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    "c2jShape" : "Double",
    "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. When the { @link Double.Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link Double#fixedPrice(Double)}. Returns a reference to this object so that method calls can be chained together.
@link #fixedPrice(Double)",
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    "documentation" : "&lt;p&gt;The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;\n\nThis is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. When the { @link Double.Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link Double#fixedPrice(Double)}. Returns a reference to this object so that method calls can be chained together.\n@link #fixedPrice(Double)",
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    "getterDocumentation" : "&lt;p&gt;The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;\n\n@link param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.\n@link #fixedPrice(Double) Returns a reference to this object so that method calls can be chained together.\n@link #fixedPrice(Double)",
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"marshallingType" : "DOUBLE",
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@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
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  "variableSetterType" : "Double"
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  "documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
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    "beanStyleSetterMethodName" : "setPaymentOption",
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    "c2jShape" : "ReservedElasticsearchInstancePaymentOption",
    "defaultConsumerFluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to
create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link
#paymentOptionAsString(String)}.@param paymentOption a consumer that will call methods on { @link
String.Builder}@n@return Returns a reference to this object so that method calls can be chained together.@n@see
#paymentOption(String)",
    "deprecated" : false,
    "documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",
    "enumType" : "ReservedElasticsearchInstancePaymentOption",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "paymentOption",
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    "fluentGetterMethodName" : "paymentOptionAsString",
    "fluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
If the service returns an enum value that is not available in the current SDK version, { @link
#paymentOption} will return { @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value
returned by the service is available from { @link #paymentOptionAsString}.@n@see ReservedElasticsearchInstancePaymentOption@n@return Payment option for the reserved Elasticsearch instance offering@n@see
ReservedElasticsearchInstancePaymentOption@n@return Returns a reference to this object so that method calls can be
chained together.@n@see ReservedElasticsearchInstancePaymentOption",
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    "getterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
If the service returns an enum value that is not available in the current SDK version, { @link
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returned by the service is available from { @link #paymentOptionAsString}.@n@see ReservedElasticsearchInstancePaymentOption",
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        "documentation" : null
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        "marshallLocationName" : "PaymentOption",
        "queryString" : false,
        "statusCode" : false,
    }
}
"unmarshallLocationName" : "PaymentOption",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"setterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
  "beanStyleGetterMethodName" : "getRecurringCharges",
  "beanStyleSetterMethodName" : "setRecurringCharges",
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the {
  @link List<RecurringCharge>.Builder} avoiding the need to create one manually via {
  @link List<RecurringCharge>#builder()}. When the {
  @link Consumer} completes, {
  @link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to {
  @link List<RecurringCharge>.Builder}.
@return Returns a reference to this object so that method calls can be
chained together.

@see recurringCharges(List<RecurringCharge>)",
  "deprecated" : false,
  "documentation" : "The charge to your account regardless of whether you are creating any domains using
  the instance offering.",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringCharges",
  "fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using
  the instance offering.
  @param recurringCharges The charge to your account regardless of whether you are creating any domains using
  the instance offering.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "recurringCharges",
  "getterDocumentation" : "The charge to your account regardless of whether you are creating any domains using
  the instance offering.
  Attempts to modify the collection returned by this method will result in an
  UnsupportedOperationException.
  @return The charge to your account regardless of whether you are creating any domains using
  the instance offering.",
  "getterModel" : {
    "returnType" : "java.util.List<RecurringCharge>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "RecurringCharges",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RecurringCharges",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "...
"beanStyleSetterMethodName": "setMember",
"c2jName": "member",
"c2jShape": "RecurringCharge",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge.Builder].

@see #member(RecurringCharge)",
"deprecated": false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object. The new value for the Member property for this object.

@see #member(RecurringCharge)",

"getterDocumentation": "Returns the value of the Member property for this object.

@see #member(RecurringCharge)",
"getterModel": {
"returnType": "RecurringCharge",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.\n\n@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "",
  "simpleType" : "java.util.List<RecurringCharge>",
  "variableSetterType" : "java.util.List<RecurringCharge>",
  "xmlNameSpaceUri" : null
}
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : null,
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.\</p>",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferingId" : {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p>\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String\#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder\#build()\} is called immediately and its result is passed to \{@link #reservedElasticsearchInstanceOfferingId(String)\}.\n\n\@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on \{@link String.Builder\}\n\@return Returns a reference to this object so that method calls can be chained together.\n\@see #reservedElasticsearchInstanceOfferingId(String)",
"deprecated" : false,
"documentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p>\",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\n\@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.\n\@return Returns a reference to this object so that method calls can be chained together.\n\@see #reservedElasticsearchInstanceOfferingId(String)",
"fluentSetterMethodname" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p>\n\@return The Elasticsearch reserved instance offering identifier.\n"
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"UsagePrice" : {
  "beanStyleGetterMethodName" : "getUsagePrice",
  "beanStyleSetterMethodName" : "setUsagePrice",
  "c2jName" : "UsagePrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour the domain that is
using the offering is running.</p>
This is a convenience that creates an instance of the { @link Double.Builder}
avoiding the need to create one manually via { @link Double#builder()}.
When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link
#usagePrice(Double)}.
@see #usagePrice(Double)",
  "deprecated" : false,
  "documentation" : "<p>The rate you are charged for each hour the domain that is using the offering is
running.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "usagePrice",
  "fluentSetterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the
offering is running.</p>
@param usagePrice The rate you are charged for each hour the domain that is using the
offering is running.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "usagePrice",
  "getterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is
running.</p>
@return The rate you are charged for each hour the domain that is using the offering is running.
@see #usagePrice(Double)",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UsagePrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UsagePrice",
    "uri" : false
  },
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "UsagePrice",
"setterDocumentation": "\<p\>The rate you are charged for each hour the domain that is using the offering is running.\</p\>\n@\param usagePrice The rate you are charged for each hour the domain that is using the offering is running.\</p\>",
"setterMethodName": "setUsagePrice",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": null,
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": "\<p\>The rate you are charged for each hour the domain that is using the offering is running.\</p\>",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"xmlNameSpaceUri": null
},

"nonStreamingMembers": [ {
  "beanStyleGetterMethodName": "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName": "setReservedElasticsearchInstanceOfferingId",
  "c2jName": "ReservedElasticsearchInstanceOfferingId",
  "c2jShape": "GUID",
  "defaultConsumerFluentSetterDocumentation": "\<p\>The Elasticsearch reserved instance offering identifier.\</p\>\nThis is a convenience that creates an instance of the \{-link String.Builder\} avoiding the need to create one manually via \{-link String#builder()\}.\n\nWhen the \{-link Consumer\} completes, \{-link String.Builder#build()\} is called immediately and its result is passed to \{-link #reservedElasticsearchInstanceOfferingId(String)\}.\n\n@\param reservedElasticsearchInstanceOfferingId a consumer that will call methods on \{-link String.Builder\}\n\n@\return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated": false,
"documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@return The Elasticsearch reserved instance offering identifier.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"setterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.
@return The Elasticsearch reserved instance offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId"
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceType",
  "c2jName" : "ElasticsearchInstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n
This is a convenience that creates an instance of the [刹link String.Builder] avoiding the need to create one manually via \n
When the [刹link Consumer] completes, [刹link String.Builder#build()] is called immediately and its result is passed to [刹link ElasticsearchInstanceTypeAsSta... java\n\n@see ElasticsearchInstanceType(String)"
, "deprecated" : false,
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n</p>",
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceType",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceType",
  "fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n
When the [刹link Consumer] completes, [刹link String.Builder#build()] is called immediately and its result is passed to [刹link ElasticsearchInstanceTypeAsSta... java\n\n@see ESPartitionInstanceType\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ElasticsearchInstanceType(String)"
, "deprecated" : false,
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n</p>",
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceType",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceType",
  "fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n\n\nIn the current SDK version, [刹link ElasticsearchInstanceType] will return [刹link \n
The raw value returned by the service is available from [刹link ElasticsearchInstanceTypeAsString].\n\n@see ElasticsearchInstanceType(String)"
, "deprecated" : false,
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n</p>",
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceType",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceType",
  "fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n\n\nIn the current SDK version, [刹link ElasticsearchInstanceType] will return [刹link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [刹link ElasticsearchInstanceTypeAsString].\n\n@see ElasticsearchInstanceType(String)"
, "deprecated" : false,
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n</p>",
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceType",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceType",
  "fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n\n\nIn the current SDK version, [刹link ElasticsearchInstanceType] will return [刹link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [刹link ElasticsearchInstanceTypeAsString].\n\n@see ElasticsearchInstanceType(String)"
, "deprecated" : false,
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n</p>",
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceType",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceType",
  "fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n\n\nIn the current SDK version...
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #duration(Integer)}.<br/>
@param duration a consumer that will call methods on { @link Integer.Builder}<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see #duration(Integer)",
"deprecated" : false,
"documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.<br/>
@return Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)",
"fluentSetterMethodName" : "duration",
"getterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "Duration",
"setterDocumentation": "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance."
,"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
,"simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
],

"beanStyleGetterMethodName": "getFixedPrice",
"beanStyleSetterMethodName": "setFixedPrice",
"c2jName": "FixedPrice",
"c2jShape": "Double",
"defaultConsumerFluentSetterDocumentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>\n\nThis is a convenience that creates an instance of the [Double.Builder] avoiding the need to create one manually via [Double.Builder\(\)\].\n\nWhen the [Double.Consumer] completes, [Double.Builder\(\)\] is called immediately and its result is passed to [Double\.fixedPrice\(\)\].\n\n@returns a reference to this object so that method calls can be chained together.\n\nSee fixedPrice\(Double\)",
"deprecated": false,
"documentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "fixedPrice",
"fluentSetterDocumentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "fixedPrice",
"getterDocumentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>@return The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"getterModel": {
"returnType": "Double",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"marshallLocationName": "FixedPrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "FixedPrice",
"uri": false
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"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "FixedPrice",
"setterDocumentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"setterMethodName": "setFixedPrice",
"setterModel": {
"returnType": "Double",
"documentation": null
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"setterPayload": false,
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. \n\nThe rate you are charged for each hour the domain that is using the offering is running.\n\nThis is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double#builder()}.\n\nWhen the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link usagePrice(Double)}.\n\n@deprecated
\n\n@see #usagePrice(Double)",
"deprecated" : false,
"documentation" : "The rate you are charged for each hour the domain that is using the offering is running.\n\n@deprecated
\n\n@see #usagePrice(Double)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
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"fluentGetterMethodName" : "usagePrice",
"fluentSetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.\n\n@deprecated
\n\n@see #usagePrice(Double)",
"getterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.\n\n@deprecated
\n\n@see #usagePrice(Double)",
"getterModel" : {
"returnType" : "Double"}
"documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UsagePrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UsagePrice",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"setterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.
",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour the domain that is using the offering is running.
"
"variableSetterType" : "Double",
}, 
"xmlNameSpaceUri" : null
}, 
"beanStyleGetterMethodName" : "getCurrencyCode",
"beanStyleSetterMethodName" : "setCurrencyCode",
"c2jName" : "CurrencyCode",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String.Builder}.When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link #currencyCode(String)}.

@param currencyCode a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #currencyCode(String)",
"deprecated" : false,
"documentation" : "The currency code for the reserved Elasticsearch instance offering.

@param currencyCode
@return
The currency code for the reserved Elasticsearch instance offering.

The currency code for the reserved Elasticsearch instance offering.
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},

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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "CurrencyCode",
"setterDocumentation": "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
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  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getPaymentOptionAsString",
  "beanStyleSetterMethodName": "setPaymentOption",
  "c2jName": "PaymentOption",
  "c2jShape": "ReservedElasticsearchInstancePaymentOption",
  "defaultConsumerFluentSetterDocumentation": "<p>Payment option for the reserved Elasticsearch instance offering</p>\nThis is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()].\n\nWhen the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link paymentOptionAsString(String)].\n\n@param paymentOption a consumer that will call methods on [link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see paymentOption(String)",
  "deprecated": false,
  "documentation": "<p>Payment option for the reserved Elasticsearch instance offering</p>",
  "enumType": "ReservedElasticsearchInstancePaymentOption",
  "eventHeader": false,
  "eventPayload": false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "Payment option for the reserved Elasticsearch instance offering\n@param paymentOption Payment option for the reserved Elasticsearch instance offering\n\nReservedElasticsearchInstancePaymentOption\n@return Returns a reference to this object so that method calls can be chained together.\n\nReservedElasticsearchInstancePaymentOption",
"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "Payment option for the reserved Elasticsearch instance offering\nIf the service returns an enum value that is not available in the current SDK version. [@link #paymentOption] will return { @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #paymentOptionAsString}.\n\nReservedElasticsearchInstancePaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"setterDocumentation" : "Payment option for the reserved Elasticsearch instance offering\n\nReservedElasticsearchInstancePaymentOption\n\n@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String"}
"variableName": "paymentOption",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "paymentOption",
"variableType": "String",
"documentation": "<p>Payment option for the reserved Elasticsearch instance offering</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getRecurringCharges",
"beanStyleSetterMethodName": "setRecurringCharges",
"c2jName": "RecurringCharges",
"c2jShape": "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

This is a convenience that creates an instance of the {<link List<RecurringCharge>.Builder> avoiding the need to create one manually via {<link List<RecurringCharge>#builder()}\n
When the {<link Consumer> completes, {<link List<RecurringCharge> Builder#build()} is called immediately and its result is passed to {<link #recurringCharges(List<RecurringCharge>)}}.\n
@param recurringCharges a consumer that will call methods on {<link List<RecurringCharge> Builder} \n@return Returns a reference to this object so that method calls can be chained together.\n
@see #recurringCharges(List<RecurringCharge>)",
"deprecated": false,
"documentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringCharges",
"fluentSetterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n
@throws UnsupportedOperationException The charge to your account regardless of whether you are creating any domains using the instance offering.\n@return The charge to your account regardless of whether you are creating any domains using the instance offering.\n"}
"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringCharges",
  "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"
  ,
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(RecurringCharge)"
  ,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "RecurringCharge",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"
      ,
      "isBinary" : false,
      "jsonValue" : false,
      "list" : true,
      "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "beanStyleGetterMethodName" : "getMember",
          "beanStyleSetterMethodName" : "setMember",
          "c2jName" : "member",
          "c2jShape" : "RecurringCharge",
          "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"
})
      ,
      "isBinary" : false,
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      "list" : true,
      "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "beanStyleGetterMethodName" : "getMember",
          "beanStyleSetterMethodName" : "setMember",
          "c2jName" : "member",
          "c2jShape" : "RecurringCharge",
          "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"
})
})
      ,
      "isBinary" : false,
      "jsonValue" : false,
      "list" : true,
      "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "beanStyleGetterMethodName" : "getMember",
          "beanStyleSetterMethodName" : "setMember",
          "c2jName" : "member",
          "c2jShape" : "RecurringCharge",
          "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"
})
      ,
      "isBinary" : false,
      "jsonValue" : false,
      "list" : true,
      "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "beanStyleGetterMethodName" : "getMember",
          "beanStyleSetterMethodName" : "setMember",
          "c2jName" : "member",
          "c2jShape" : "RecurringCharge",
          "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"
})
      ,
      "isBinary" : false,
      "jsonValue" : false,
      "list" : true,
      "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {
          "beanStyleGetterMethodName" : "getMember",
          "beanStyleSetterMethodName" : "setMember",
          "c2jName" : "member",
          "c2jShape" : "RecurringCharge",
          "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge#member(RecurringCharge)].

@see #member(RecurringCharge)"}
The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.


"getterModel" : {
    "returnType" : "RecurringCharge",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.


"setterMethod" : {"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "RecurringCharge",
    "variableName" : "member",
    "variableType" : "RecurringCharge",
    "documentation" : null,
    "simpleType" : "RecurringCharge",
    "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {"variableDeclarationType" : "RecurringCharge",
    "variableName" : "member",
    "variableType" : "RecurringCharge",
    "documentation" : null,
    "simpleType" : "RecurringCharge",
    "variableSetterType" : "RecurringCharge"}
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"setterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : null,
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>",
"xmlNameSpaceUri" : null
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"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "ReservedElasticsearchInstanceOffering",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ReservedElasticsearchInstanceOffering",
  "variableName": "reservedElasticsearchInstanceOffering",
  "variableType": "ReservedElasticsearchInstanceOffering",
  "documentation": null,
  "simpleType": "ReservedElasticsearchInstanceOffering",
  "variableSetterType": "ReservedElasticsearchInstanceOffering"
},
"wrapper": false
},
"ReservedElasticsearchInstancePaymentOption": {
  "c2jName": "ReservedElasticsearchInstancePaymentOption",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
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    { "name": "PARTIAL_UPFRONT", "value": "PARTIAL_UPFRONT" },
    { "name": "NO_UPFRONT", "value": "NO_UPFRONT" }
  ],
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
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"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedElasticsearchInstancePaymentOption",
"simpleMethod" : false,
"unmarshaller" : { 
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : { 
   "variableDeclarationType" : "ReservedElasticsearchInstancePaymentOption",
   "variableName" : "reservedElasticsearchInstancePaymentOption",
   "variableType" : "ReservedElasticsearchInstancePaymentOption",
   "documentation" : null,
   "simpleType" : "ReservedElasticsearchInstancePaymentOption",
   "variableSetterType" : "ReservedElasticsearchInstancePaymentOption"
},
"wrapper" : false
},
"ResourceAlreadyExistsException" : { 
   "c2jName" : "ResourceAlreadyExistsException",
   "customization" : { 
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false,
      "staxTargetDepthOffset" : 0
   },
   "deprecated" : false,
   "documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of 400.</p>",
   "enums" : null,
   "errorCode" : "ResourceAlreadyExistsException",
   "event" : false,
   "eventStream" : false,
   "explicitEventPayloadMember" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "httpStatusCode" : 409,
   "marshaller" : null,
   "members" : [ ],
   "nonStreamingMembers" : [ ],
   "requestSignerAware" : false,
   "requestSignerClassFqcn" : null,
   "required" : null,
   "shapeName" : "ReservedElasticsearchInstancePaymentOption",
   "simpleMethod" : false,
   "unmarshaller" : { 
      "flattened" : false,
      "resultWrapper" : null
   },
   "variable" : { 
      "variableDeclarationType" : "ReservedElasticsearchInstancePaymentOption",
      "variableName" : "reservedElasticsearchInstancePaymentOption",
      "variableType" : "ReservedElasticsearchInstancePaymentOption",
      "documentation" : null,
      "simpleType" : "ReservedElasticsearchInstancePaymentOption",
      "variableSetterType" : "ReservedElasticsearchInstancePaymentOption"
   },
   "wrapper" : false
}
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResourceAlreadyExistsException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ResourceAlreadyExistsException",
  "variableName" : "resourceAlreadyExistsException",
  "variableType" : "ResourceAlreadyExistsException",
  "documentation" : null,
  "simpleType" : "ResourceAlreadyExistsException",
  "variableSetterType" : "ResourceAlreadyExistsException"
},
"wrapper" : false,
"ResourceNotFoundException" : {
  "c2jName" : "ResourceNotFoundException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
  "enums" : null,
  "errorCode" : "ResourceNotFoundException",
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : 409,
  "marshaller" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "ResourceNotFoundException"}
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ResourceNotFoundException",
  "variableName" : "resourceNotFoundException",
  "variableType" : "ResourceNotFoundException",
  "documentation" : null,
  "simpleType" : "ResourceNotFoundException",
  "variableSetterType" : "ResourceNotFoundException"
},
"wrapper" : false
},
"ServiceSoftwareOptions" : {
  "c2jName" : "ServiceSoftwareOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>The current options of an Elasticsearch domain service software options.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [{
    "beanStyleGetterMethodName" : "getCurrentVersion",
    "beanStyleSetterMethodName" : "setCurrentVersion",
    "c2jName" : "CurrentVersion",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "<p>The current service software version that is present on the domain.\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #currentVersion(String)}.\n\n@deprecated\n\n@version 11.5.5\n\nThis method is part of the 11.5.5 version of this class to support the new Elasticsearch domain service release.\n@see #currentVersion(String)"
  },
  "documentation" : "<p>The current service software version that is present on the domain.</p>",
  "enumType" : null,
}
The current service software version that is present on the domain.

@returns The current service software version that is present on the domain.

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrentVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrentVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"setterDocumentation" : "The current service software version that is present on the domain.

@returns The current service software version that is present on the domain.

```

```
"setterMethodName" : "setCurrentVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String",
  "documentation" : null
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currentVersion",
"variableType" : "String",
"documentation" : "<p>The current service software version that is present on the domain.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getNewVersion",
"beanStyleSetterMethodName" : "setNewVersion",
"c2jName" : "NewVersion",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The new service software version if one is available.</p>
This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. \n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #newVersion(String) \}.\n\n@param newVersion a consumer that will call methods on \{ @link String.Builder \} \n@return Returns a reference to this object so that method calls can be chained together.\n@see #newVersion(String)",
"deprecated" : false,
"documentation" : "<p>The new service software version if one is available.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "newVersion",
"fluentSetterDocumentation" : "<p>The new service software version if one is available.</p>
@param newVersion The new service software version if one is available.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "newVersion",
"getterDocumentation" : "<p>The new service software version if one is available.</p>
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
The new service software version if one is available.

```java
setterModel : {
  variableDeclarationType : "String",
  variableName : "newVersion",
  variableType : "String",
  documentation : "The new service software version if one is available.",
  simpleType : "String",
  variableSetterType : "String"
},
simple : true,
timestampFormat : null,
variable : {
  variableDeclarationType : "String",
  variableName : "newVersion",
  variableType : "String",
  documentation : "The new service software version if one is available.",
  simpleType : "String",
  variableSetterType : "String"
},
xmlNameSpaceUri : null
}
```

"beanStyleGetterMethodName" : "getUpdateAvailable",
"beanStyleSetterMethodName" : "setUpdateAvailable",
"c2jName" : "UpdateAvailable",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service
This is a convenience that creates an instance of the `Boolean.Builder` avoiding the need to create one manually via `{Boolean#builder()}`. When the `Consumer` completes, `Boolean.Builder#build()` is called immediately and its result is passed to `updateAvailable(Boolean)`.

Returns a reference to this object so that method calls can be chained together.

@see `updateAvailable(Boolean)`
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "UpdateAvailable",
"setterDocumentation": "<p><code>True</code> if you are able to update you service software version. 
<code>False</code> if you are not able to update your service software version. </p>
@param updateAvailable
True if you are able to update you service software version. <code>False",
"setterMethod_Name": ",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "updateAvailable",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "updateAvailable",
  "variableType": "Boolean",
  "documentation": "<p><code>True</code> if you are able to update you service software version. 
<code>False</code> if you are not able to update your service software version. </p>
"complexType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
{"beanStyleGetterMethodName": "getCancellable",
"beanStyleSetterMethodName": "setCancellable",
"c2jName": "Cancellable",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version. 
This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean.Builder().]\n\nWhen the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link cancellable(Boolean)].\n\n@param cancellable a consumer that will call methods on [@link Boolean.Builder]\n\n@see cancellable(Boolean)"
,"deprecated": false,
"documentation": "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version. 
</p>
"enumType": null,
"eventName": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "cancellable",
"fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable
True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </code>

"fluentSetterMethodName" : "cancellable",
"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@return Returns a reference to this object so that method calls can be chained together.",

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Cancellable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Cancellable",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Cancellable",
"setterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable
True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </code>

"setterMethodName" : "setCancellable",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "cancellable",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean"}
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getUpdateStatusAsString",
  "beanStyleSetterMethodName" : "setUpdateStatus",
  "c2jName" : "UpdateStatus",
  "c2jShape" : "DeploymentStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: 
<code>ELIGIBLE</code>, 
<code>PENDING_UPDATE</code>, 
<code>IN_PROGRESS</code>, 
<code>COMPLETED</code>, and 
<code>NOT_ELIGIBLE</code>. </p>\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. \n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link updateStatusAsString(String) \}. \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #updateStatusAsString(String)",
  "deprecated" : false,
  "documentation" : "The status of your service software update. This field can take the following values: 
<code>ELIGIBLE</code>, 
<code>PENDING_UPDATE</code>, 
<code>IN_PROGRESS</code>, 
<code>COMPLETED</code>, and 
<code>NOT_ELIGIBLE</code>. 
\nIf the service returns an enum
  "enumType" : "DeploymentStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "updateStatus",
  "fluentEnumSetterMethodName" : "updateStatus",
  "fluentGetterMethodName" : "updateStatusAsString",
  "fluentSetterDocumentation" : "The status of your service software update. This field can take the following values: 
<code>ELIGIBLE</code>, 
<code>PENDING_UPDATE</code>, 
<code>IN_PROGRESS</code>, 
<code>COMPLETED</code>, and 
<code>NOT_ELIGIBLE</code>. \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see DeploymentStatus",
  "fluentSetterMethodName" : "updateStatus",
  "getterDocumentation" : "The status of your service software update. This field can take the following values: 
<code>ELIGIBLE</code>, 
<code>PENDING_UPDATE</code>, 
<code>IN_PROGRESS</code>, 
<code>COMPLETED</code>, and 
<code>NOT_ELIGIBLE</code>. \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see DeploymentStatus"}
value that is not available in the current SDK version, [@link #updateStatus] will return [@link DeploymentStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #updateStatusAsString].

@return The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.

@see DeploymentStatus

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateStatus",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "UpdateStatus",

"setterDocumentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.

@param updateStatus The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.

@see DeploymentStatus",

"setterMethodName" : "setUpdateStatus",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}

@link #updateStatusAsS...
"variableSetterType" : "String",
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDescription",
"beanStyleSetterMethodName" : "setDescription",
"c2jName" : "Description",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The description of the <code>UpdateStatus</code>. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via {@link String#builder()}.

When the {@link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #description(String)}.\n
@return A reference to this object so that method calls can be chained together.\n@see #description(String)",
"deprecated" : false,
"documentation" : "The description of the <code>UpdateStatus</code>.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "description",
"fluentSetterDocumentation" : "The description of the <code>UpdateStatus</code>.\n
@return A reference to this object so that method calls can be chained together.\n@see #description(String)",
"fluentSetterMethodName" : "description",
"getterDocumentation" : "The description of the <code>UpdateStatus</code>.\n
@return The description of the <code>UpdateStatus</code>.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Description",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Description",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Description",
"setterDocumentation": "\<p\>The description of the <code>UpdateStatus</code>.\</p\>\n@param description The description of the <code>UpdateStatus</code>.\"",
"setterMethodName": "setDescription",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "description",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "description",
"variableType": "String",
"documentation": "\<p\>The description of the <code>UpdateStatus</code>.\</p\>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{ "beanStyleGetterMethodName": "getAutomatedUpdateDate",
"beanStyleSetterMethodName": "setAutomatedUpdateDate",
"c2jName": "AutomatedUpdateDate",
"c2jShape": "DeploymentCloseDateTimeStamp"
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software. This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant#builder()}. When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #automatedUpdateDate(Instant)}.

When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #automatedUpdateDate(Instant)}.

@see #automatedUpdateDate(Instant)"

"deprecated" : false,
"documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,

"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,

"fluentSetterMethodName" : "automatedUpdateDate",

"fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software. After this date, we automatically update your service software.\n\n@see #automatedUpdateDate(Instant)"

"gettersMethod" : {
    "returnType" : "java.time.Instant",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AutomatedUpdateDate",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AutomatedUpdateDate",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"newValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "AutomatedUpdateDate",
"setterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param
automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
"setterMethodName" : "setAutomatedUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
}]

"membersAsMap" : {
  "AutomatedUpdateDate" : {
  "beanStyleGetterMethodName" : "getAutomatedUpdateDate",
  "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
  "c2jName" : "AutomatedUpdateDate",
  "c2jShape" : "DeploymentCloseDateTimeStamp",
  "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
  }
},
"xmlNameSpaceUri" : null
}

"AutomatedUpdateDate" : {
  "beanStyleGetterMethodName" : "getAutomatedUpdateDate",
  "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
  "c2jName" : "AutomatedUpdateDate",
  "c2jShape" : "DeploymentCloseDateTimeStamp",
  "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
  }
}

This is a convenience that creates an instance of the \{@link Instant.Builder\} avoiding the need to create one manually via \{@link Instant#builder()\}.\n\nWhen the \{@link Instant.Consumer\} completes, \{@link Instant.Builder#build()\} is called immediately and its result is passed to \{@link
\#automatedUpdateDate(Instant)\}.\n@see \#automatedUpdateDate(Instant)"
"deprecated" : false,
"documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedUpdateDate",
"fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "automatedUpdateDate",
"getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@return Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.

"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedUpdateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedUpdateDate",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "AutomatedUpdateDate",
"setterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>"
software update. After this date, we automatically update your service software. After this date, we automatically update your service software.

@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.

"setterMethodName" : "setAutomatedUpdateDate",
"setterModel" : {
   "variableDeclarationType" : "java.time.Instant",
   "variableName" : "automatedUpdateDate",
   "variableType" : "java.time.Instant",
   "documentation" : null,
   "simpleType" : "Instant",
   "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.time.Instant",
   "variableName" : "automatedUpdateDate",
   "variableType" : "java.time.Instant",
   "documentation" : "Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software."
},
"xmlNameSpaceUri" : null
},
"Cancellable" : {
   "beanStyleGetterMethodName" : "getCancellable",
   "beanStyleSetterMethodName" : "setCancellable",
   "c2jName" : "Cancellable",
   "c2jShape" : "Boolean",
   "defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version update. "
   "deprecated" : false,
   "documentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "cancellable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
True</code> if you are able to cancel your service software version update. <code>False</code>

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "cancellable",
"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>

True</code> if you are able to cancel your service software version update. <code>False",

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Cancellable",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Cancellable",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "BOOLEAN",

"name" : "Cancellable",

"setterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>

True</code> if you are able to cancel your service software version update. <code>False",

"setterMethodName" : "setCancellable",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : "<p><code>True</code> if you are able to cancel your service software version update.  
<code>False</code> if you are not able to cancel your service software version.  </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"CurrentVersion" : {
  "beanStyleGetterMethodName" : "getCurrentVersion",
  "beanStyleSetterMethodName" : "setCurrentVersion",
  "c2jName" : "CurrentVersion",
  "c2jShape" : "String",
  "defaultValueConsumerFluentSetterDocumentation" : "<p>The current service software version that is present on the domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.  
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to  
{@link #currentVersion(String)}.  
@see #currentVersion(String)",
  "deprecated" : false,
  "documentation" : "<p>The current service software version that is present on the domain.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currentVersion",
  "fluentSetterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see #currentVersion(String)",
  "fluentSetterMethodName" : "currentVersion",
  "getterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@return The current service software version that is present on the domain.
@see #currentVersion(String)"
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrentVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrentVersion",
"uri" : false,

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"setterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@param currentVersion The current service software version that is present on the domain.",
"setterMethodName" : "setCurrentVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String",
  "documentation" : "<p>The current service software version that is present on the domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"Description" : {
  "beanStyleGetterMethodName" : "getDescription",
  "beanStyleSetterMethodName" : "setDescription",
  "c2jName" : "Description",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.</p>
This is a convenience that creates an instance of the { @link String.Builder}
avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String#builder()\} is called immediately and its result is passed to \{@link #description(String)\}.

When the \{@link Consumer\} completes, \{@link String#build()\} is called immediately and its result is passed to \{@link #description(String)\}.

@returns Returns a reference to this object so that method calls can be chained together.

@see #description(String)

"deprecated" : false,
"documentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "description",
"fluentSetterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "description",
"getterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;\n
@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "description",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
The description of the <code>UpdateStatus</code>,

setterMethodName" : "setDescription",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "description",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "description",
 "variableType" : "String",
 "documentation" : "The description of the <code>UpdateStatus</code>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"NewVersion" : {
 "beanStyleGetterMethodName" : "getNewVersion",
 "beanStyleSetterMethodName" : "setNewVersion",
 "c2jName" : "NewVersion",
 "c2jShape" : "String",
 "defaultConsumerFluentSetterDocumentation" : "The new service software version if one is available.
<br/>This is a convenience that creates an instance of the <code>String.Builder</code> avoiding the need to create one manually via <code>String.Builder#builder()</code>. When the <code>Consumer</code> completes, the <code>String.Builder#build()</code> is called immediately and its result is passed to <code>#newVersion(String)</code>. 
<br/>@param newVersion a consumer that will call methods on <code>String.Builder</code> 
<br/>@return Returns a reference to this object so that method calls can be chained together.
<br/>@see #newVersion(String)",
 "deprecated" : false,
 "documentation" : "The new service software version if one is available.

"enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "newVersion",
 "fluentSetterDocumentation" : "The new service software version if one is available. 
<br/>The new service software version if one is available. 
<br/>@return Returns a reference to this object so that method calls can be chained together.",
 "fluentSetterMethodName" : "newVersion",
 "getterDocumentation" : "The new service software version if one is available.
<br/>The new service software version if one is available.
<br/>@return The new service software version if one is available.",
 "getterModel" : {
The new service software version if one is available.

```json
"setterDocumentation": 
"setterMethodName": "setNewVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "newVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "newVersion",
  "variableType": "String",
  "documentation": "The new service software version if one is available."
}
```
"xmlNameSpaceUri" : null

"UpdateAvailable" : {
   "beanStyleGetterMethodName" : "getUpdateAvailable",
   "beanStyleSetterMethodName" : "setUpdateAvailable",
   "c2jName" : "UpdateAvailable",
   "c2jShape" : "Boolean",
   "defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service version. \n\nThis is a convenience that creates an instance of the [link Boolean.Builder] avoiding the need to create one manually via \n[link Boolean#builder()]. When the [link Consumer] completes, [link Boolean.Builder#build()] is called immediately and its result is passed to [link #updateAvailable(Boolean)]. \n\n@see #updateAvailable(Boolean)",
   "deprecated" : false,
   "documentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "updateAvailable",
   "fluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. \n\nWhen the [link Consumer] completes, [link Boolean.Builder#build()] is called immediately and its result is passed to [link #updateAvailable(Boolean)]. \n\n@see #updateAvailable(Boolean)",
   "fluentSetterMethodName" : "updateAvailable",
   "getterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
   "getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
   },
   "http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "UpdateAvailable",
   "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateAvailable",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpdateAvailable",
"setterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
@param updateAvailable True, "setterMethodName" : "setUpdateAvailable",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "updateAvailable",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "updateAvailable",
"variableType" : "Boolean",
"documentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
},
"UpdateStatus" : {
"beanStyleGetterMethodName" : "getUpdateStatusAsString",
"beanStyleSetterMethodName" : "setUpdateStatus",
"c2jName" : "UpdateStatus",
"c2jShape" : "DeploymentStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>PENDING_IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called

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immediately and its result is passed to `{param updateStatusAsString(String)}`. The result is then passed to `{param updateStatusAsString(String)}`. Returns a reference to this object so that method calls can be chained together.

```java
public UpdateStatus withUpdateStatusAsString(String updateStatusAsString) {
    setUpdateStatusAsString(updateStatusAsString);
    return this;
}
```

The status of your service software update. This field can take the following values:

- `ELIGIBLE`:
- `PENDING_UPDATE`:
- `IN_PROGRESS`:
- `COMPLETED`:
- `NOT_ELIGIBLE`:

### Fluent Enum Getter Documentation

The status of your service software update. This field can take the following values: `ELIGIBLE`, `PENDING_UPDATE`, `IN_PROGRESS`, `COMPLETED`, and `NOT_ELIGIBLE`.

- `enumType`:
- `eventType`:
- `eventPayload`:
- `fluentEnumGetterMethodName`:
- `fluentEnumSetterMethodName`:
- `fluentSetterMethodName`:
- `getterDocumentation`:
- `getterModel`:
- `http`:
- `additionalMarshallingPath`:
- `additionalUnmarshallingPath`:
- `flattened`:
- `greedy`:
- `header`:
- `isPayload`:
- `isStreaming`:
- `marshallLocation`:
- `marshallLocationName`:
- `queryString`:
- `statusCode`:

If the service returns an enum value that is not available in the current SDK version, `{param updateStatus} will return `{param updateStatusAsString}`. The raw value returned by the service is available from `{param updateStatusAsString}`. Returns a reference to this object so that method calls can be chained together.
"marshallerLocationName" : "UpdateStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpdateStatus",
"setterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.
</p>
@param updateStatus The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.
@see DeploymentStatus",
"setterMethodName" : "setUpdateStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
",
"xmlNameSpaceUri" : null
}]
],
"nonStreamingMembers" : [
  {
"beanStyleGetterMethodName" : "getCurrentVersion",
"beanStyleSetterMethodName" : "setCurrentVersion",
"c2jName" : "CurrentVersion",
"c2jShape" : "String",
"defaultValueFluentSetterDocumentation" : "<p>The current service software version that is present on the
This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #currentVersion(String)}`.

@param currentVersion a consumer that will call methods on `{@link String.Builder}`
@return Returns a reference to this object so that method calls can be chained together.

@see #currentVersion(String)
"setterDocumentation" : "The current service software version that is present on the domain.",
"setterMethodName" : "setCurrentVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String",
  "documentation" : "The current service software version that is present on the domain.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getNewVersion",
"beanStyleSetterMethodName" : "setNewVersion",
"c2jName" : "NewVersion",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The new service software version if one is available.
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder\}\. When the \{@link Consumer\} completes, \{@link String.Builder\#build()\} is called immediately and its result is passed to \{@link #newVersion(String)\}\.\n@\param newVersion a consumer that will call methods on \{@link String.Builder\}\\@return Returns a reference to this object so that method calls can be chained together.\@\see #newVersion(String)\",
"deprecated" : false,
"documentation" : "The new service software version if one is available.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "newVersion",
"fluentSetterDocumentation" : "The new service software version if one is available.
@\param newVersion The new service software version if one is available.\@return Returns a reference to this object so that method calls can be chained together.\",
"fluentSetterMethodName" : "newVersion",
"getterDocumentation" : "The new service software version if one is available.
@\return The new service software version if one is available.\",
"getterModel" : {
The new service software version if one is available.

@param newVersion

The new service software version if one is available.
"defaultConsumerFluentSetterDocumentation" : ": "<p>True</p> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>

This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {link Boolean#builder()}. When the {@link Consumer} completes, {link Boolean.Builder#build()} is called immediately and its result is passed to {link updateAvailable(Boolean)} a consumer that will call methods on {link Boolean.Builder}.

@see #updateAvailable(Boolean)

"deprecated" : false,
"documentation" : "<p>True</p> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateAvailable",
"fluentSetterDocumentation" : ": "<p>True</p> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateAvailable",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "UpdateAvailable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpdateAvailable",
"setterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. 

This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to create one manually via { @link Boolean#builder() }. When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link cancellable(Boolean) }. 

@see cancellable(Boolean)
"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cancellable",
"fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable
True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "cancellable",
"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@return True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@return
True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Cancellable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Cancellable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Cancellable",
"setterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@return
True"
True if you are able to cancel your service software version update. False, "setterMethodName": "setCancellable",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"simple": true,
"timestampFormat": null,
"variable": {
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  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>",
  "simple": true,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "Boolean",
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    "variableType": "Boolean",
    "documentation": "<p>The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, COMPLETED, and NOT_ELIGIBLE.</p>
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to String.Builder#updateStatus(String). Returns a reference to this object so that method calls can be chained together.
@see #updateStatus(String)",
    "deprecated": false,
    "documentation": "The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, COMPLETED, and NOT_ELIGIBLE."
},
"enumType": DeploymentStatus,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "updateStatus",
"fluentEnumSetterMethodName": "updateStatus",
"fluentGetterMethodName": "updateStatusAsString",
"fluentSetterDocumentation": "The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, and NOT_ELIGIBLE."
}"
your service software update. This field can take the following values: `<code>ELIGIBLE</code>`, `<code>PENDING_UPDATE</code>`, `<code>IN_PROGRESS</code>`, `<code>COMPLETED</code>`, and `<code>NOT_ELIGIBLE</code>.

@see DeploymentStatus

@return Returns a reference to this object so that method calls can be chained together.

@see DeploymentStatus

"fluentSetterMethodName" : "updateStatus",
"getterDocumentation" : "\n\nThe status of your service software update. This field can take the following values: `<code>ELIGIBLE</code>`, `<code>PENDING_UPDATE</code>`, `<code>IN_PROGRESS</code>`, `<code>COMPLETED</code>`, and `<code>NOT_ELIGIBLE</code>.\n\nIf the service returns an enum value that is not available in the current SDK version, [@link #updateStatus] will return {[@link DeploymentStatus#UNKNOWN_TO_SDK_VERSION]}. The raw value returned by the service is available from {[@link #updateStatusAsString]}.\n\n\n@return The status of your service software update. This field can take the following values: `<code>ELIGIBLE</code>`, `<code>PENDING_UPDATE</code>`, `<code>IN_PROGRESS</code>`, `<code>COMPLETED</code>`, and `<code>NOT_ELIGIBLE</code>.\n\n@see DeploymentStatus",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateStatus",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpdateStatus",
"setterDocumentation" : "\n\nThe status of your service software update. This field can take the following values: `<code>ELIGIBLE</code>`, `<code>PENDING_UPDATE</code>`, `<code>IN_PROGRESS</code>`, `<code>COMPLETED</code>`, and `<code>NOT_ELIGIBLE</code>.\n\n@param updateStatus The status of your service software update. This field can take the following values: `<code>ELIGIBLE</code>`, `<code>PENDING_UPDATE</code>`, `<code>IN_PROGRESS</code>`, `<code>COMPLETED</code>`, and `<code>NOT_ELIGIBLE</code>.\n\n@see DeploymentStatus"
<code>NOT_ELIGIBLE</code>, @see DeploymentStatus",
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"setterModel" : {
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  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"variable" : {
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  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDescription",
"beanStyleSetterMethodName" : "setDescription",
"c2jName" : "Description",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.</p>\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #description(String)}.\n\n@see #description(String)
@return Returns a reference to this object so that method calls can be chained together."
"deprecated" : false,
"documentation" : "<p>The description of the <code>UpdateStatus</code>.\n\n@see #description(String)
@return Returns a reference to this object so that method calls can be chained together.",
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"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "description",
"fluentSetterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.\n\n@see #description(String)
@return Returns a reference to this object so that method calls can be chained together."
"getterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.\n\n@see #description(String)
@return Returns a reference to this object so that method calls can be chained together.",
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 "documentation" : null
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 "greedy" : false,
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 "isStreaming" : false,
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 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Description",
 "uri" : false
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"jsonValue" : false,
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"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"setterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.\n@param description
The description of the <code>UpdateStatus</code>.\n</p>",
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 "variableSetterType" : "String"
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 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",\n"variableSetterType" : "String"
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"simple" : true,
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},
"xmlNameSpaceUri" : null
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    "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
    "c2jName" : "AutomatedUpdateDate",
    "c2jShape" : "DeploymentCloseDateTimeStamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>\nThis is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via [@link Instant.Builder#builder()].\n\nWhen the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link #automatedUpdateDate(Instant)].\n\n@param automatedUpdateDate a consumer that will call methods on [@link Instant.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #automatedUpdateDate(Instant)",
    "deprecated" : false,
    "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
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    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "automatedUpdateDate",
    "fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@return Returns a reference to this object so that method calls can be chained together."
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    "getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@return Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.

After this date, we automatically update your service software.\n@return Returns a reference to this object so that method calls can be chained together."
    ,
    "getterMethodName" : "automatedUpdateDate",
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
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"marshallLocationName" : "AutomatedUpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AutomatedUpdateDate",
"uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"setterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.",
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    "documentation" : null,
    "simpleType" : "Instant",
    "variableSetterType" : "java.time.Instant"
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"simple" : true,
"timestampFormat" : null,
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    "variableName" : "automatedUpdateDate",
    "variableType" : "java.time.Instant",
    "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
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  "variableType": "ServiceSoftwareOptions",
  "documentation": null,
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  "variableSetterType": "ServiceSoftwareOptions"
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
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  "deprecated": false,
  "documentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",
  "enums": null,
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  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
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    "beanStyleSetterMethodName": "setAutomatedSnapshotStartHour",
    "c2jName": "AutomatedSnapshotStartHour",
    "c2jShape": "IntegerClass",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>"
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  "documentation": null,
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  "variableSetterType": "ServiceSoftwareOptions"
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  "c2jName": "SnapshotOptions",
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    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
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  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshaller": null,
  "members": [
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    "beanStyleSetterMethodName": "setAutomatedSnapshotStartHour",
    "c2jName": "AutomatedSnapshotStartHour",
    "c2jShape": "IntegerClass",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>"
  ]
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"deprecated" : false,
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"enumType" : null,
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"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedSnapshotStartHour",
"fluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n@returns\n\nReturns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "automatedSnapshotStartHour",
"getterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n@returns\n\nSpecifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n@returns \n\nReturns a reference to this object so that method calls can be chained together."
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedSnapshotStartHour",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedSnapshotStartHour",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
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"list" : false,
"listModel" : null,
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"mapModel" : null,
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"setterDocumentation": "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\nsetterMethodName": "setAutomatedSnapshotStartHour",
setterModel": {
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  "documentation": "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n  \n  \n@simpleType": "Integer",
  "variableSetterType": "Integer"
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"xmlNameSpaceUri": null
},
"membersAsMap": {
  "AutomatedSnapshotStartHour": {
    "beanStyleGetterMethodName": "getAutomatedSnapshotStartHour",
    "beanStyleSetterMethodName": "setAutomatedSnapshotStartHour",
    "c2jName": "AutomatedSnapshotStartHour",
    "c2jShape": "IntegerClass",
    "defaultConsumerFluentSetterDocumentation": "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n    \n    This is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer#builder()\}.\n    \n    When the \{@link Consumer\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link #automatedSnapshotStartHour(Integer)\}.\n    \n    @param automatedSnapshotStartHour a consumer that will call methods on \{@link Integer.Builder\}\n    \n    @return Returns a reference to this object so that method calls can be chained together.\n    \n    @see #automatedSnapshotStartHour(Integer)"
  },
  "deprecated": false,
  "documentation": "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n  \n  \n@enumType": null,
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  "eventPayload": false,
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@<code>param</code> automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<br/>
@return Returns a reference to this object so that method calls can be chained together.",
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@return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.",
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  "isStreaming" : false,
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  "marshallLocationName" : "AutomatedSnapshotStartHour",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedSnapshotStartHour",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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@<code>param</code> automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.",
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"variableSetterType": "Integer"
},
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"documentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",
"simpleType": "Integer",
"variableSetterType": "Integer"
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"xmlNameSpaceUri": null
},
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"beanStyleSetterMethodName": "setAutomatedSnapshotStartHour",
"c2jName": "AutomatedSnapshotStartHour",
"c2jShape": "IntegerClass",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
This is a convenience that creates an instance of the [link Integer.Builder] avoiding the need to create one manually via {link Integer.Builder}.\n\nWhen the [link Consumer] completes, [link Integer.Builder#build] is called immediately and its result is passed to [link #automatedSnapshotStartHour(Integer)].\n\n@see #automatedSnapshotStartHour(Integer)",
"deprecated": false,
"documentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",
"enumType": null,
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"eventPayload": false,
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"fluentEnumSetterMethodName": null,
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"fluentSetterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
@see automatedSnapshotStartHour(Integer)",
"getterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
@see automatedSnapshotStartHour(Integer)",
"setterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.
@see automatedSnapshotStartHour(Integer)"
snapshot of the specified Elasticsearch domain. Default value is \texttt{0} hours.

\return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \texttt{0} hours.

\begin{verbatim}

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
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  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedSnapshotStartHour",
  "uri" : false
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"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "AutomatedSnapshotStartHour",
"setterDocumentation" : "\texttt{Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \texttt{0} hours.}\",
"setterMethodName" : "setAutomatedSnapshotStartHour",
"setterModel" : {
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  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

\end{verbatim}

"variableDeclarationType" : "Integer",
"variableName" : "automatedSnapshotStartHour",
"variableType" : "Integer",
"documentation" : "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is 0 hours."

"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
"xmlNameSpaceUri" : null
] },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SnapshotOptions",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
}
,"variable" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"wrapper" : false
},
"SnapshotOptionsStatus" : {
"c2jName" : "SnapshotOptionsStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Status of a daily automated snapshot.

"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "SnapshotOptions",
  
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  
  This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}. When the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to the @link #options(SnapshotOptions))\n  
  @param options a consumer that will call methods on the @link SnapshotOptions.Builder\n  
  @return Returns a reference to this object so that method calls can be chained together.\n  
  @see #options(SnapshotOptions)
  
  "deprecated" : false,
  
  "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  
  "fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  
  This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}. When the {@link Consumer} completes, [ @link SnapshotOptions.Builder#build() ] is called immediately and its result is passed to [ @link #options(SnapshotOptions) ].
  
  @param options a consumer that will call methods on [ @link SnapshotOptions.Builder ]
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see #options(SnapshotOptions)
  
  "getterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>"
  
  @param options Specifies the daily snapshot options specified for the Elasticsearch domain.
  
  @return Returns a reference to this object so that method calls can be chained together."
  
  "getterModel" : {
    "returnType" : "SnapshotOptions",
    "documentation" : null
  },
  
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flatenned" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
    "status-code" : false,
    "unmarshallLocationName" : "Options",
    "uri" : false
Specifies the daily snapshot options specified for the Elasticsearch domain.

```
//<p>Specifies the daily snapshot options specified for the Elasticsearch domain.

"setterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "options",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "options",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},

"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStatus",

"beanStyleSetterMethodName" : "setStatus",

"c2jName" : "Status",

"c2jShape" : "OptionStatus",

"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>

This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus}. Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)

"deprecated" : false,

"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>

"enumType" : null,

"eventType" : false,
Specifies the status of a daily automated snapshot.

@returns Returns a reference to this object so that method calls can be chained together.

## fluentSetter

Specifies the status of a daily automated snapshot.

@returns Specifies the status of a daily automated snapshot.

### fluentSetterModel

- @variableDeclarationType: OptionStatus
- @variableName: status
- @variableType: OptionStatus
- @documentation: null

### http

- @additionalMarshallingPath: null
- @additionalUnmarshallingPath: null
- @flattened: false
- @greedy: false
- @header: false
- @isPayload: false
- @isStreaming: false
- @marshallLocation: PAYLOAD
- @marshallLocationName: Status
- @queryString: false
- @statusCode: false
- @unmarshallLocationName: Status
- @uri: false

### idempotencyToken

- @false

### isBinary

- @false

### jsonValue

- @false

### list

- @false

### listModel

- @null

### map

- @false

### mapModel

- @null

### marshallingType

- @SDK_POJO

### name

- @Status

## setter

Specifies the status of a daily automated snapshot.

@returns Specifies the status of a daily automated snapshot.

### setterModel

- @variableDeclarationType: OptionStatus
- @variableName: status
- @variableType: OptionStatus
- @documentation: null

### simpleType

- @OptionStatus
"variableSetterType" : "OptionStatus",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "SnapshotOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions.Builder#builder()}.<br/>When the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to {@link SnapshotOptions.Builder#options(SnapshotOptions)}.<br/>@param options a consumer that will call methods on {@link SnapshotOptions.Builder}<br/>@return Returns a reference to this object so that method calls can be chained together.<br/>@see #options(SnapshotOptions)
",
    "deprecated" : false,
    "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
",
    "getterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
",
    "getterModel" : {
      "returnType" : "SnapshotOptions",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.
",
"setterMethodName" : "setOptions",
"setterModel" : {
    "variableDeclarationType" : "SnapshotOptions",
    "variableName" : "options",
    "variableType" : "SnapshotOptions",
    "documentation" : null,
    "simpleType" : "SnapshotOptions",
    "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "SnapshotOptions",
    "variableName" : "options",
    "variableType" : "SnapshotOptions",
    "documentation" : null,
    "simpleType" : "SnapshotOptions",
    "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
    "beanStyleGetterMethodName" : "getStatus",
    "beanStyleSetterMethodName" : "setStatus",

"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of a daily automated
snapshot.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the
need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer}
completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to
{@link #status(OptionStatus)}. Return Returns a reference to this object so that method calls can be chained
together.

@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@return Specifies the status of a daily automated snapshot.
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
Specifies the status of a daily automated snapshot.

```java
@ParamStatus

// Specifying the status of a daily automated snapshot.
public void setStatus(String status) {
    // Variable declaration
    private String status;

    // Setter method
    public void setStatus(String status) {
        this.status = status;
    }

    // XML name space URI
    public String getXmlNameSpaceUri() {
        return "ElastiCloud";
    }
}
```

This is a convenience that creates an instance of the `SnapshotOptions.Builder` avoiding the need to create one manually via `SnapshotOptions#builder()`. When the `Consumer` completes, `SnapshotOptions.Builder#build()` is called immediately and its result is passed to `options(SnapshotOptions)`. Returns a reference to this object so that method calls can be chained together.

```java
// Default consumer fluent setter documentation
public void options(SnapshotOptions options) {
    // Set the options
    this.options = options;
}
```

Specifies the daily snapshot options specified for the Elasticsearch domain.
"fluentSetterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "options",
"getterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@return Specifies the daily snapshot options specified for the Elasticsearch domain."
"getterModel": {
  "returnType": "SnapshotOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"setterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain."
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "options",
  "variableType": "SnapshotOptions",
  "documentation": null,
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "SnapshotOptions",
    "variableName": "options",
    "variableType": "SnapshotOptions",
    "documentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
    "simpleType": "SnapshotOptions",
    "variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of a daily automated snapshot.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. When the {@link OptionStatus.Builder#build()} completes, the {@link #status(OptionStatus)} method is called immediately and its result is passed to {@link #status(OptionStatus)}. Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",
"deprecated": false,
"documentation": "<p>Specifies the status of a daily automated snapshot.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "<p>Specifies the status of a daily automated snapshot.</p>
Specifies the status of a daily automated snapshot.

@see #status(OptionStatus)

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName": "status",
"getterDocumentation": "<p>Specifies the status of a daily automated snapshot.</p>
Specifies the status of a daily automated snapshot.

@see #status(OptionStatus)

@return Returns a reference to this object so that method calls can be chained together.
",
"getterModel": {
    "returnType": "OptionStatus",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"setterDocumentation": "<p>Specifies the status of a daily automated snapshot.</p>
@param status Specifies the status of a daily automated snapshot."
,"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p>Specifies the status of a daily automated snapshot.</p>"
,"simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlnsNameSpaceUri": null
}]
,"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["Options", "Status"],
"shapeName": "SnapshotOptionsStatus",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
}].
"variable": {  
"variableDeclarationType": "SnapshotOptionsStatus",  
"variableName": "snapshotOptionsStatus",  
"variableType": "SnapshotOptionsStatus",  
"documentation": null,  
"simpleType": "SnapshotOptionsStatus",  
"variableSetterType": "SnapshotOptionsStatus" 
},  
"wrapper": false
},  
"StartElasticsearchServiceSoftwareUpdateRequest": {  
"c2jName": "StartElasticsearchServiceSoftwareUpdateRequest",  
"customization": {  
"artificialResultWrapper": null,  
"skipGeneratingMarshaller": false,  
"skipGeneratingModelClass": false,  
"skipGeneratingUnmarshaller": false,  
"staxTargetDepthOffset": 0 
},  
"deprecated": false,  
"documentation": "<p>Container for the parameters to the <code><a>StartElasticsearchServiceSoftwareUpdate</a></code> operation. Specifies the name of the Elasticsearch domain that you wish to schedule a service software update on.</p>",  
"enums": null,  
"errorCode": null,  
"event": false,  
"eventStream": false,  
"explicitEventPayloadMember": null,  
"hasHeaderMember": false,  
"hasPayloadMember": false,  
"hasStatusCodeMember": false,  
"hasStreamingMember": false,  
"httpStatusCode": null,  
"marshaller": {  
"action": "StartElasticsearchServiceSoftwareUpdate",  
"locationName": null,  
"requestUri": "/2015-01-01/es/serviceSoftwareUpdate/start",  
"target": null,  
"verb": "POST",  
"xmlNameSpaceUri": null 
},  
"members": {  
"beanStyleGetterMethodName": "getDomainName",  
"beanStyleSetterMethodName": "setDomainName",  
"c2jName": "DomainName",  
"c2jShape": "DomainName",  
"defaultConsumerFluentSetterDocumentation": "<p>The name of the domain that you want to update to the latest service software.</p><p>This is a convenience that creates an instance of the { @link String.Builder} avoiding
the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #domainName(String)\}. Returns a reference to this object so that method calls can be chained together.\n
@see #domainName(String)\n
@deprecated \n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName a consumer that will call methods on \{@link String.Builder\}\n
\@return Returns a reference to this object so that method calls can be chained together.\n
@see #domainName(String)\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
\<p>The name of the domain that you want to update to the latest service software.\</p>\n
\@param domainName The name of the domain that you want to update to the latest service software.\n
\@return Returns a reference to this object so that method calls can be chained together.\n
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
This is a convenience that creates an instance of the {String.Builder} avoiding the need to create one manually via {String.builder()}. When the {Consumer} completes, {String.Builder} is called immediately and its result is passed to {domainName(String)}.
@param domainName a consumer that will call methods on {String.Builder} that return a reference to this object so that method calls can be chained together.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)
"},
"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.
"},
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
"},
"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.
"},
"enumType" : null,
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"fluentEnumSetterMethodName" : null,
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"documentation" : "The name of the domain that you want to update to the latest service software.
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"eventHeader" : false,
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"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
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"documentation" : "The name of the domain that you want to update to the latest service software.
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"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
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"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.
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"eventPayload" : false,
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"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
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"documentation" : "The name of the domain that you want to update to the latest service software.
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"eventPayload" : false,
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"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
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"documentation" : "The name of the domain that you want to update to the latest service software.
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"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
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"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.
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"enumType" : null,
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"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
"},
"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.
"},
"enumType" : null,
"eventHeader" : false,
software.<p>@return The name of the domain that you want to update to the latest service software.

"getterModel" : [
    "returnType" : "String",
    "documentation" : null
],
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "&lt;p&gt;The name of the domain that you want to update to the latest service software.&lt;/p&gt;\n@param domainName The name of the domain that you want to update to the latest service software.&lt;/p&gt;\n@\n"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"}
"documentation" : "The name of the domain that you want to update to the latest service software.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultValue" : "",
"defaultValueReferencedResourceShape" : null,
"defaultValueType" : "null",
"defaultConsumerFluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software. This is a convenience that creates an instance of the String class avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #domainName(String).

@returns Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)
",
"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.

@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "The name of the domain that you want to update to the latest service software.

@returns The name of the domain that you want to update to the latest service software.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"simpleType" : "StartElasticsearchServiceSoftwareUpdateRequest",
"variableSetterType" : "StartElasticsearchServiceSoftwareUpdateRequest"
},
"wrapper" : false
},
"StartElasticsearchServiceSoftwareUpdateResponse" : {
"c2jName" : "StartElasticsearchServiceSoftwareUpdateResponse",
"customization" : {
 "artifactResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
 },
"deprecated" : false,
"documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.\</p\\>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshallers" : [ 
 "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
 "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
 "c2jName" : "ServiceSoftwareOptions",
 "c2jShape" : "ServiceSoftwareOptions",
 "defaultConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch service software update.\</p\\>\nThis is a convenience that creates an instance of the \{\@link ServiceSoftwareOptions.Builder\} avoiding the need to create one manually via \{\@link ServiceSoftwareOptions#builder()\}.\n\nWhen the \{\@link Consumer\} completes, \{\@link ServiceSoftwareOptions.Builder#build()\} is called immediately and its result is passed to \{\@link #serviceSoftwareOptions(ServiceSoftwareOptions)\}.\n\n@see serviceSoftwareOptions\n\n@see #serviceSoftwareOptions\n\n@return Returns a reference to this object so that method calls can be chained together.
\n@see ServiceSoftwareOptions\n\n@see #serviceSoftwareOptions\n\n@deprecated" : true,
"documentation" : "The current status of the Elasticsearch service software update.\</p\\>\n\nThis is a convenience that creates an instance of the \{\@link ServiceSoftwareOptions.Builder\} avoiding the need to create one manually via \{\@link ServiceSoftwareOptions#builder()\}.\n\nWhen the \{\@link Consumer\} completes, \{\@link ServiceSoftwareOptions.Builder#build()\} is called immediately and its result is passed to \{\@link #serviceSoftwareOptions(ServiceSoftwareOptions)\}.\n\n@see serviceSoftwareOptions\n\n@see #serviceSoftwareOptions\n\n@return Returns a reference to this object so that method calls can be chained together.
\n@see ServiceSoftwareOptions\n\n@see #serviceSoftwareOptions\n\n@deprecated" : true,
"documentation" : "The current status of the Elasticsearch service software update.\</p\\>\n\nThis is a convenience that creates an instance of the \{\@link ServiceSoftwareOptions.Builder\} avoiding the need to create one manually via \{\@link ServiceSoftwareOptions#builder()\}.\n\nWhen the \{\@link Consumer\} completes, \{\@link ServiceSoftwareOptions.Builder#build()\} is called immediately and its result is passed to \{\@link #serviceSoftwareOptions(ServiceSoftwareOptions)\}.\n\n@see serviceSoftwareOptions\n\n@see #serviceSoftwareOptions\n\n@return Returns a reference to this object so that method calls can be chained together.
\n@see ServiceSoftwareOptions\n\n@see #serviceSoftwareOptions\n\n@deprecated" : true,
The current status of the Elasticsearch service software update.

@return
Returns a reference to this object so that method calls can be chained together.


"variable" : {
    "variableDeclarationType" : "ServiceSoftwareOptions",
    "variableName" : "serviceSoftwareOptions",
    "variableType" : "ServiceSoftwareOptions",
    "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
    "simpleType" : "ServiceSoftwareOptions",
    "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
    "ServiceSoftwareOptions" : {
        "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
        "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
        "c2jName" : "ServiceSoftwareOptions",
        "c2jShape" : "ServiceSoftwareOptions",
        "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
This is a convenience that creates an instance of the \{@link ServiceSoftwareOptions.Builder\} avoiding the need to create one manually via \{@link ServiceSoftwareOptions#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link ServiceSoftwareOptions.Builder#build()\} is called immediately and its result is passed to \{@link #serviceSoftwareOptions(ServiceSoftwareOptions)\}.\n\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
        "deprecated" : false,
        "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "serviceSoftwareOptions",
        "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
The current status of the Elasticsearch service software update.\n\n@return Returns a reference to this object so that method calls can be chained together.
\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
        "fluentSetterMethodName" : "serviceSoftwareOptions",
        "getterDocumentation" : "<p>The current status of the Elasticsearch service software update.
The current status of the Elasticsearch service software update.
\n@return The current status of the Elasticsearch service software update.
\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
        "getterModel" : {
            "returnType" : "ServiceSoftwareOptions",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
        }
    }
}
The current status of the Elasticsearch service software update.

```

```
This is a convenience that creates an instance of the `@link ServiceSoftwareOptions.Builder` avoiding the need to create one manually via `@link ServiceSoftwareOptions#builder()`.

When the `@link Consumer` completes, `@link ServiceSoftwareOptions.Builder#build()` is called immediately and its result is passed to `@link ServiceSoftwareOptions(ServiceSoftwareOptions)`. A consumer that will call methods on `@link ServiceSoftwareOptions.Builder` returns a reference to this object so that method calls can be chained together.

```
@see ServiceSoftwareOptions(ServiceSoftwareOptions)
```

```
@deprecated
```

```
@enumType null
```

```
@eventHeader false
```

```
@eventPayload false
```

```
@fluentEnumGetterMethodName null
```

```
@fluentEnumSetterMethodName null
```

```
@fluentGetterMethodName "ServiceSoftwareOptions",
```

```
@fluentSetterDocumentation "The current status of the Elasticsearch service software update.

@getterDocumentation "The current status of the Elasticsearch service software update.

@getterModel {
  returnType: "ServiceSoftwareOptions",
  documentation: null
}
```

```
@http {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ServiceSoftwareOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ServiceSoftwareOptions",
  "uri": false
}
```

```
@idempotencyToken false
```

```
@isBinary false
```

```
@jsonValue false
```

```
@list false
```

```
@listModel null
```

```
@map false
```

```
@mapModel null
```

```
@marshallingType "SDK_POJO",
```

```
@deprecated false
```

```
@documentation "The current status of the Elasticsearch service software update.

@param serviceSoftwareOptions The current status of the Elasticsearch service software update.

@return Returns a reference to this object so that method calls can be chained together.
```

```
@http {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ServiceSoftwareOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ServiceSoftwareOptions",
  "uri": false
}
```
"name" : "ServiceSoftwareOptions",
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>
", "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "StartElasticsearchServiceSoftwareUpdateResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "variableName" : "startElasticsearchServiceSoftwareUpdateResponse",
  "variableType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : null,
  "simpleType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "variableSetterType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"wrapper" : false
},
"StorageType" : {
  "c2jName" : "StorageType",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>StorageTypes represents the list of storage related types and their attributes that are available for given InstanceType. </p>

"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getStorageTypeName",
  "beanStyleSetterMethodName" : "setStorageTypeName",
  "c2jName" : "StorageTypeName",
  "c2jShape" : "StorageTypeName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #storageTypeName(String) }.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #storageTypeName(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n@param storageTypeName The new value for the StorageTypeName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #storageTypeName(String)",
  "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
  },
  "getterDocumentation" : "Returns the value of the StorageTypeName property for this object.\n@return The value of the StorageTypeName property for this object.",
  "getterMethodName" : "storageTypeName",
  "hasParameterMember" : false,
  "isArray" : false,
  "isCollection" : false,
  "isRequired" : false,
  "objectType" : null,
  "statusType" : null,
  "streaming" : false,
  "type" : "primitive",
  "valueType" : "String"
},
"enums" : null,
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageTypeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypeName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object. 

@param storageTypeName The new value for the StorageTypeName property for this object."

"setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getStorageSubTypeName",
"beanStyleSetterMethodName" : "setStorageSubTypeName",
"c2jName" : "StorageSubTypeName",
"c2jShape" : "StorageSubTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #storageSubTypeName(String)}. Returns a reference to this object so that method calls can be chained together.

@see #storageSubTypeName(String)",

deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageSubTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param storageSubTypeName The new value for the StorageSubTypeName property for this object.
@return Returns a reference to this object so that method calls can be chained together.
@see #storageSubTypeName(String)",

generated" : false,
"getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.

@return The value of the StorageSubTypeName property for this object.
@see #storageSubTypeName(String)",

getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageSubTypeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageSubTypeName",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param storageSubTypeName The new value for the StorageSubTypeName property for this object.",
"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : 
  "c2jShape" : "StorageTypeLimitList",
  "xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStorageTypeLimits",
"beanStyleSetterMethodName" : "setStorageTypeLimits",
"c2jName" : "StorageTypeLimits",
"c2jShape" : "StorageTypeLimitList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
This is a convenience that creates an instance of the {@link List<StorageTypeLimit>.Builder} avoiding the need to create one manually via {@link List<StorageTypeLimit>#builder()}. When the {@link Consumer} completes, {@link List<StorageTypeLimit>.Builder#build()} is called immediately and its result is passed to {@link #storageTypeLimits(List<StorageTypeLimit>)}.

@see #storageTypeLimits(List<StorageTypeLimit>)",
"deprecated" : false,
"documentation" : "<p>List of limits that are applicable for given storage type. </p>
enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeLimits"
"fluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type. 
@param storageTypeLimits List of limits that are applicable for given storage type.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "storageTypeLimits",
"getterDocumentation" : "<p>List of limits that are applicable for given storage type. 
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of limits that are applicable for given storage type."
,"getterModel" : {
"returnType" : "java.util.List<StorageTypeLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "StorageTypeLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the StorageTypeLimit.Builder avoiding the need to create one manually via StorageTypeLimit#builder()
When the Consumer completes, StorageTypeLimit.Builder#build() is called immediately and its result is passed to StorageTypeLimit.
@param member a consumer that will call methods on StorageTypeLimit.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #member(StorageTypeLimit)"
,"deprecated" : false,
"documentation" : ""
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
"getterModel" : {
   "returnType" : "StorageTypeLimit",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "member",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "member",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "StorageTypeLimit",
   "variableName" : "member",
   "variableType" : "StorageTypeLimit"}
"documentation": null,
"simpleType": "StorageTypeLimit",
"variableSetterType": "StorageTypeLimit"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "StorageTypeLimit",
  "variableName": "member",
  "variableType": "StorageTypeLimit",
  "documentation": "",
  "simpleType": "StorageTypeLimit",
  "variableSetterType": "StorageTypeLimit"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "StorageTypeLimit",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "StorageTypeLimit",
"templateImplType": "java.util.ArrayList<StorageTypeLimit>",
"templateType": "java.util.List<StorageTypeLimit>",

"setterDocumentation": "<p>List of limits that are applicable for given storage type. </p>@param storageTypeLimits List of limits that are applicable for given storage type.",
"setterMethodName": "setStorageTypeLimits",
"setterModel": {
  "variableDeclarationType": "java.util.List<StorageTypeLimit>",
  "variableName": "storageTypeLimits",
  "variableType": "java.util.List<StorageTypeLimit>",
  "documentation": null,
  "simpleType": "List<StorageTypeLimit>",
  "variableSetterType": "java.util.Collection<StorageTypeLimit>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<StorageTypeLimit>",
  "variableName": "storageTypeLimits",
  "variableType": "java.util.List<StorageTypeLimit>",
  "documentation": "<p>List of limits that are applicable for given storage type. </p>"
"simpleType" : "List<StorageTypeLimit>",
"variableSetterType" : "java.util.Collection<StorageTypeLimit>
",
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"StorageSubTypeName" : {
"beanStyleGetterMethodName" : "getStorageSubTypeName",
"beanStyleSetterMethodName" : "setStorageSubTypeName",
"c2jName" : "StorageSubTypeName",
"c2jShape" : "StorageSubTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.\nThis is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()].\nWhen the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#storageSubTypeName(String)].\n@see #storageSubTypeName(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageSubTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.\nReturns a reference to this object so that method calls can be chained together.\n\n@see #storageSubTypeName(String)",
"getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.\n\n@see #storageSubTypeName(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "storageSubTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageSubTypeName",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param storageSubTypeName The new value for the StorageSubTypeName property for this object.",
"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StorageTypeLimits" : {
  "beanStyleGetterMethodName" : "getStorageTypeLimits",
  "beanStyleSetterMethodName" : "setStorageTypeLimits",
  "c2jName" : "StorageTypeLimits",
  "c2jShape" : "StorageTypeLimitList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type.

This is a convenience that creates an instance of the
{@link List<StorageTypeLimit>.Builder} avoiding the need to create one manually via
{@link List<StorageTypeLimit>.Builder#builder()}. When the
{@link Consumer} completes, [{@link List<StorageTypeLimit>.Builder#build()}]
is called immediately and its result is passed to
{@link #storageTypeLimits(List<StorageTypeLimit>)}.

@see #storageTypeLimits(List<StorageTypeLimit>)
@returns Returns a reference to this object so that method calls can be chained together.
@see #storageTypeLimits(List<StorageTypeLimit>)"},
"deprecated": false,
"documentation": "List of limits that are applicable for given storage type. \<p\>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "storageTypeLimits",
"fluentSetterDocumentation": "List of limits that are applicable for given storage type.\n@param storageTypeLimits List of limits that are applicable for given storage type.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "storageTypeLimits",
"getterDocumentation": "List of limits that are applicable for given storage type. \<p\>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return List of limits that are applicable for given storage type.",
"getterModel": {
  "returnType": "java.util.List<StorageTypeLimit>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "StorageTypeLimits",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "StorageTypeLimits",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "StorageTypeLimit",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this
This is a convenience that creates an instance of the `@link StorageTypeLimit.Builder` avoiding the need to create one manually via `@link StorageTypeLimit#builder()`. When the `@link Consumer` completes, `@link StorageTypeLimit.Builder#build()` is called immediately and its result is passed to `@link #member(StorageTypeLimit)`. Returns a reference to this object so that method calls can be chained together.

```
@param member a consumer that will call methods on `@link StorageTypeLimit.Builder`
@return Returns a reference to this object so that method calls can be chained together.
```

The new value for the Member property for this object. Returns a reference to this object so that method calls can be chained together.

```
@see #member(StorageTypeLimit)
```

```
"deprecated" : false,
"documentation" : ",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

return Returns a reference to this object so that method calls can be chained together.
"

"getterDocumentation" : "Returns the value of the Member property for this object.

return The value of the Member property for this object.
"

"getterModel" : {
  "returnType" : "StorageTypeLimit",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"member" : {
  "returnType" : "StorageTypeLimit",
  "documentation" : null
}
```
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "StorageTypeLimit",
  "variableName": "member",
  "variableType": "StorageTypeLimit",
  "documentation": null,
  "simpleType": "StorageTypeLimit",
  "variableSetterType": "StorageTypeLimit"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "StorageTypeLimit",
  "variableName": "member",
  "variableType": "StorageTypeLimit",
  "documentation": null,
  "simpleType": "StorageTypeLimit",
  "variableSetterType": "StorageTypeLimit"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "StorageTypeLimit",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "StorageTypeLimit",
"templateImplType": "java.util.ArrayList<StorageTypeLimit>",
"templateType": "java.util.List<StorageTypeLimit>

"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StorageTypeLimits",
"setterDocumentation": "<p>List of limits that are applicable for given storage type. </p>

@param storageTypeLimits List of limits that are applicable for given storage type."
,"setterMethodName": "setStorageTypeLimits",
"setterModel": {
  "variableDeclarationType": "java.util.List<StorageTypeLimit>",
  "variableName": "storageTypeLimits",
  "variableType": "java.util.List<StorageTypeLimit>",
  "documentation": null,
  "simpleType": "List<StorageTypeLimit>",
  "variableSetterType": "java.util.Collection<StorageTypeLimit>"
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object."
@param
storageTypeName The new value for the StorageTypeName property for this object.

"setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getStorageTypeName",
  "beanStyleSetterMethodName" : "setStorageTypeName",
  "c2jName" : "StorageTypeName",
  "setterMethodName" : "setStorageTypeName",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "storageTypeName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "storageTypeName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
} ]}
"c2jShape" : "StorageTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#builder(String)}.

@param storageTypeName a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #storageTypeName(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.

@param storageTypeName The new value for the StorageTypeName property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "storageTypeName",
"getterDocumentation" : "Returns the value of the StorageTypeName property for this object.

@return The value of the StorageTypeName property for this object.
",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "StorageTypeName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "StorageTypeName",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.

@param storageTypeName The new value for the StorageTypeName property for this object.",
"setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getStorageSubTypeName",
  "beanStyleSetterMethodName" : "setStorageSubTypeName",
  "c2jName" : "StorageSubTypeName",
  "c2jShape" : "StorageSubTypeName",
  "defaultValueFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #storageSubTypeName(String)}.

@see #storageSubTypeName(String)
@deprecated Returns a reference to this object so that method calls can be chained together.

@see #storageSubTypeName(String)
",  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageSubTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param storageSubTypeName The new value for the StorageSubTypeName property for this object.

@return Returns a reference to this object so that method calls can be chained together.
",  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
"fluentSetterMethodName" : "storageSubTypeName",
"getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.
@return The value of the StorageSubTypeName property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageSubTypeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageSubTypeName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.
@param storageSubTypeName The new value for the StorageSubTypeName property for this object.",
"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",}
This is a convenience that creates an instance of the \{@link List<StorageTypeLimit>.Builder\} avoiding the need to create one manually via \{@link List<StorageTypeLimit>#builder()\}. When the \{@link Consumer\} completes, \{@link List<StorageTypeLimit>.Builder#build()\} is called immediately and its result is passed to \{@link #storageTypeLimits(List<StorageTypeLimit>)\}. Returns a reference to this object so that method calls can be chained together.

```java
storageTypeLimits(List<StorageTypeLimit> storageTypeLimits); // StorageTypeLimits
```

This method creates a builder for the instance of \{@link List<StorageTypeLimit>\}.

**Example:**
```java
List<StorageTypeLimit> storageTypeLimits = ...
StorageTypeLimits storageTypeLimitsBuilder = new StorageTypeLimits();...
storageTypeLimitsBuilder.storageTypeLimits(storageTypeLimits);
storageTypeLimitsBuilder.build();
```

**Usage:**
- Use this method to build \{@link List<StorageTypeLimit>\}.
- Call \{@link List<StorageTypeLimit>#builder()\} to start building the list.
- Add \{@link List<StorageTypeLimit>\} to the builder.
- Use \{@link StorageTypeLimits#build()\} to build the instance.

**Returns:**
A reference to this object so that method calls can be chained together.

**Throws:**
- \{@link UnsupportedOperationException\}

**See also:**
- \{@link StorageTypeLimits\}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeLimits",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "StorageTypeLimit",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {link StorageTypeLimit.Builder} avoiding the need to create one manually via {link StorageTypeLimit#builder()}. When the {link Consumer} completes, {link StorageTypeLimit.Builder#build()} is called immediately and its result is passed to {link StorageTypeLimit}.",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object. Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object. The value of the Member property for this object."
  },
"getterModel" : {
  "returnType" : "StorageTypeLimit",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StorageTypeLimit",
  "variableName" : "member",
  "variableType" : "StorageTypeLimit",
  "documentation" : null,
  "simpleType" : "StorageTypeLimit",
  "variableSetterType" : "StorageTypeLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "StorageTypeLimit",
  "variableName" : "member",
  "variableType" : "StorageTypeLimit",
  "documentation" : "",
  "simpleType" : "StorageTypeLimit",
  "variableSetterType" : "StorageTypeLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "StorageTypeLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType": "StorageTypeLimit",
"templateImplType": "java.util.ArrayList<StorageTypeLimit>",
"templateType": "java.util.List<StorageTypeLimit>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StorageTypeLimits",
"setterDocumentation": "<p>List of limits that are applicable for given storage type. </p>
@param
storageTypeLimits List of limits that are applicable for given storage type."
,"setterMethodName": "setStorageTypeLimits",
"setterModel": {
"variableDeclarationType": "java.util.List<StorageTypeLimit>",
"variableName": "storageTypeLimits",
"variableType": "java.util.List<StorageTypeLimit>",
"documentation": null,
"simpleType": "List<StorageTypeLimit>",
"variableSetterType": "java.util.Collection<StorageTypeLimit>"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "java.util.List<StorageTypeLimit>",
"variableName": "storageTypeLimits",
"variableType": "java.util.List<StorageTypeLimit>",
"documentation": "<p>List of limits that are applicable for given storage type. </p>",
"simpleType": "List<StorageTypeLimit>",
"variableSetterType": "java.util.Collection<StorageTypeLimit>"
},
"xmlNameSpaceUri": null
}
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "StorageType",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "StorageType",
"variableName": "storageType",
"variableType": "StorageType",
"documentation": null,
"simpleType": "StorageType",
"variableSetterType": "StorageType"
}"}
"wrapper": false,
"StorageTypeLimit": {
  "c2jName": "StorageTypeLimit",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Limits that are applicable for given storage type. </p>",
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    {
      "beanStyleGetterMethodName": "getLimitName",
      "beanStyleSetterMethodName": "setLimitName",
      "c2jName": "LimitName",
      "c2jShape": "LimitName",
      "defaultConsumerFluentSetterDocumentation": "<p> Name of storage limits that are applicable for given storage type. If <code>&lt;a&gt;StorageType&lt;/a&gt;</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via{@link String.Builder#builder()>When the{@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to{@link #limitName(String)}.

@see #limitName(String)
  </p>
  "documentation": "<p>Name of storage limits that are applicable for given
storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt;
&lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be
empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for
given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that
is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount
of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt; &lt;/p&gt;

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String.Builder#builder()>When the{@link Consumer} completes, {@link String.Builder#build()} is called immediately
and its result is passed to{@link #limitName(String)}.

@see #limitName(String)
  
  "deprecated": false,
  "documentation": "<p>Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt;
&lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be
empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for
given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that
is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount
of Iops that is applicable for
given storage type. It can be empty if it is not applicable. The following options are applicable:

- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

**getterModel**: The getter method returns name of storage limits that are applicable for given storage type.

```java
public String getName() {
    return limitName;
}
```

**getterDocumentation**: The getter method returns the name of storage limits that are applicable for given storage type. For example:

```java
public String getName() {
    return limitName;
}
```

**setterModel**: The setter method sets the limit name for the given storage type.

```java
public void setLimitName(String limitName) {
    this.limitName = limitName;
}
```

**setterDocumentation**: The setter method sets the limit name for the given storage type:

```java
public void setLimitName(String limitName) {
    this.limitName = limitName;
}
```

**http**: The HTTP method allows for additional marshalling and unmarshalling paths.

```java
public void setLimitName(String limitName) {
    this.limitName = limitName;
}
```

**.marshallingPath**: The marshalling path specifies additional paths for marshalling and unmarshalling.

```java
public void setLimitName(String limitName) {
    this.limitName = limitName;
}
```

**.unmarshallingPath**: The unmarshalling path specifies additional paths for unmarshalling.

```java
public void setLimitName(String limitName) {
    this.limitName = limitName;
}
```
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitName",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "LimitName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"setterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
&lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt;
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
&lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt; &lt;p&gt;@param limitName Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt;&lt;/p&gt;&lt;p&gt;@param limitName Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt;&lt;/p&gt;

".setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : &lt;p&gt; Name of storage limits that are applicable for given storage type. If &lt;code&gt;
&lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt;
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.

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MaximumVolumeSize Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 

MaximumIops Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 

MinimumIops Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"beanStyleGetterMethodName" : "getLimitValues",
"beanStyleSetterMethodName" : "setLimitValues",
"c2jName" : "LimitValues",
"c2jShape" : "LimitValueList",
"defaultValueFluentSetterDocumentation" : "Values for the <code><a>StorageTypeLimit$LimitName</a></code>. This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the [ @link Consumer] completes, the Builder#build() is called immediately and its result is passed to the [ @link limitValues(List<String>)] a consumer that will call methods on the [ @link List<String>.Builder] or return a reference to this object so that method calls can be chained together.]

@see #limitValues(List<String>)",
"deprecated" : false,
"documentation" : "Values for the <code><a>StorageTypeLimit$LimitName</a></code>.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "Values for the <code><a>StorageTypeLimit$LimitName</a></code>. 

@param limitValues Values for the <code><a>StorageTypeLimit$LimitName</a></code>. 

@return Returns a reference to this object so that method calls can be chained together.

@see #limitValues(List<String>)",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitValues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitValues",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #member(String)\}.

@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(String)",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.

The value of the Member property for this object.

@returns The value of the Member property for this object.

@see #member(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
\n\n@\n@param member The new value for the Member property for this object.\n",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},

"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"setterDocumentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .

@p
@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> . "ample,”
"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .

\nList<String>"
},

"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "LimitName" : {
    "beanStyleGetterMethodName" : "getLimitName",
    "beanStyleSetterMethodName" : "setLimitName",
    "c2jName" : "LimitName",
    "c2jShape" : "LimitName",
    "defaultConsumerFluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given

storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>

<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be

empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for
given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is

applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of

Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol> 

\nThis is a

convenience that creates an instance of the [{@link String.Builder} avoiding the need to create one manually via

{@link String.Builder#build()}.\n
When the {/@link Consumer} completes, {/@link String.Builder#build()} is called
immediately and its result is passed to { @link #limitName(String)).\n@param limitName a consumer that will call methods on { @link String.Builder}\n@returns a reference to this object so that method calls can be chained together.\n@see #limitName(String)
  
  "deprecated" : false,
  "documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
  \ naïveType\@/></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li>
  Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. \n@returns a reference to this object so that method calls can be chained together.
  "\n  "eventType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "limitName",
  "fluentSetterMethodName" : null,
  "fluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
  \ naïveType\@/></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. \n@returns a reference to this object so that method calls can be chained together.
  "\n  "getterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
  \ naïveType\@/></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
  empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage
  type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for
  given storage type. It can be empty if it is not applicable. \n@returns a reference to this object so that method calls can be chained together.
  "\n  "getterModel" : {
  "returnType" : "String"
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"setterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. </ol>
<p>@param limitName Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. </ol>

"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"
"variableSetterType": "String",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "limitName",
  "variableType": "String",
  "documentation": "<p> Name of storage limits that are applicable for given storage type. If &lt;code&gt;&lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt; &lt;/p&gt;",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"LimitValues": {
  "beanStyleGetterMethodName": "getLimitValues",
  "beanStyleSetterMethodName": "setLimitValues",
  "c2jName": "LimitValues",
  "c2jShape": "LimitValueList",
  "defaultConsumerFluentSetterDocumentation": "<p> Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt; . &lt;/p&gt;\nThis is a convenience that creates an instance of the [@link List&lt;String&gt;.Builder] avoiding the need to create one manually via [@link List&lt;String&gt;#builder()] . When the [@link Consumer] completes, [@link List&lt;String&gt;.Builder#build()] is called immediately and its result is passed to [@link #limitValues(List&lt;String&gt;)] . @param limitValues a consumer that will call methods on [@link List&lt;String&gt;.Builder] \n@return Returns a reference to this object so that method calls can be chained together.\n@see #limitValues(List&lt;String&gt;)]",
  "deprecated": false,
  "documentation": "<p> Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt; . &lt;/p&gt;",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "limitValues",
  "fluentSetterDocumentation": "<p> Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt; . &lt;/p&gt;\n@returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "limitValues",
  "getterDocumentation": "<p> Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt; . &lt;/p&gt;\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns a reference to the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt; .&quot;,
"getterModel": {
   "returnType": "java.util.List<String>",
   "documentation": null
},
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "LimitValues",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "LimitValues",
   "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
   "implType": "java.util.ArrayList",
   "interfaceType": "java.util.List",
   "listMemberModel": {
      "beanStyleGetterMethodName": "getMember",
      "beanStyleSetterMethodName": "setMember",
      "c2jName": "member",
      "c2jShape": "LimitValue",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].\n\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n"@see #member(String)",
   "deprecated": false,
   "documentation": "",
   "enumType": null,
   "eventHeader": false,
   "eventPayload": false,
   "fluentEnumGetterMethodName": null,
   "fluentEnumSetterMethodName": null,
   "fluentGetterMethodName": "member",
   "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n"@see #member(String)",
   "fluentValue": null,
   "fluentValueView": null,
   "listMemberList": null,
   "listMemberListModel": null,
   "listMembers": null,
   "method": null,
   "methodReturn": null,
   "methodReturnOptional": null,
   "methodReturnOptionalList": null,
   "methodReturnType": null,
   "mutable": null,
   "mutableList": null,
   "mutableListModel": null,
   "mutableMembers": null,
   "mutableValue": null,
   "mutableValueView": null,
   "mutableValueViewList": null,
   "mutableValueViewListModel": null,
   "mutableValueViewMembers": null,
   "mutableValueViewOptional": null,
   "mutableValueViewOptionalList": null,
   "mutableValueViewOptionalListModel": null,
   "mutableValueViewOptionalMembers": null,
   "mutableValueViewOptionalValue": null,
   "mutableValueViewOptionalValueView": null,
   "mutableValueViewOptionalValueViewList": null,
   "mutableValueViewOptionalValueViewListModel": null,
   "mutableValueViewOptionalValueViewMembers": null,
   "nonMutable": null,
   "nonMutableList": null,
   "nonMutableListModel": null,
   "nonMutableMembers": null,
   "nonMutableValue": null,
   "nonMutableValueView": null,
   "nonMutableValueViewList": null,
   "nonMutableValueViewListModel": null,
   "nonMutableValueViewMembers": null,
   "nonMutableValueViewOptional": null,
   "nonMutableValueViewOptionalList": null,
   "nonMutableValueViewOptionalListModel": null,
   "nonMutableValueViewOptionalMembers": null,
   "nonMutableValueViewOptionalValue": null,
   "nonMutableValueViewOptionalValueView": null,
   "nonMutableValueViewOptionalValueViewList": null,
   "nonMutableValueViewOptionalValueViewListModel": null,
   "nonMutableValueViewOptionalValueViewMembers": null,
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   "nonOptionalList": null,
   "nonOptionalListModel": null,
   "nonOptionalMembers": null,
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   "nonOptionalValueView": null,
   "nonOptionalValueViewList": null,
   "nonOptionalValueViewListModel": null,
   "nonOptionalValueViewMembers": null,
   "nonOptionalValueViewOptional": null,
   "nonOptionalValueViewOptionalList": null,
   "nonOptionalValueViewOptionalListModel": null,
   "nonOptionalValueViewOptionalMembers": null,
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   "nonOptionalValueViewOptionalValueView": null,
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   "nonOptionalValueViewOptionalValueViewListModel": null,
   "nonOptionalValueViewOptionalValueViewMembers": null,
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   "optionalValueView": null,
   "optionalValueViewList": null,
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   "optionalValueViewOptionalList": null,
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   "optionalValueViewOptionalMembers": null,
   "optionalValueViewOptionalValue": null,
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   "readOnlyValueViewListModel": null,
   "readOnlyValueViewMembers": null,
   "readOnlyValueViewOptional": null,
   "readOnlyValueViewOptionalList": null,
   "readOnlyValueViewOptionalListModel": null,
   "readOnlyValueViewOptionalMembers": null,
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   "withValueViewOptionalList": null,
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   "withValueViewOptionalMembers": null,
   "withValueViewOptionalValue": null,
   "withValueViewOptionalValueView": null,
   "withValueViewOptionalValueViewList": null,
   "withValueViewOptionalValueViewListModel": null,
   "withValueViewOptionalValueViewMembers": null,
   "withValueViewOptionalValue": null,
   "withValueViewOptionalValueView": null,
   "withValueViewOptionalValueViewList": null,
   "withValueViewOptionalValueViewListModel": null,
   "withValueViewOptionalValueViewMembers": null
}
}
calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

"setterMethodname" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String"
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"setterDocumentation" : 
  "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
</p>
"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getLimitName",
"beanStyleSetterMethodName": "setLimitName",
"c2jName": "LimitName",
"c2jShape": "LimitName",
"defaultValueConsumerFluentSetterDocumentation": "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()]. When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #limitName(String)].
@n return Returns a reference to this object so that method calls can be chained together.
@ see #limitName(String)
",
"deprecated": false,
"documentation": "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>
@param limitName a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@ see #limitName(String)
",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "limitName",
"fluentSetterDocumentation": "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>
Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <ol>
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
<li>MaximumVolumeSize</li>
<li>MaximumIops</li>
<li>MinimumIops</li>
</ol>
</ol>

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"setterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
<li>MaximumVolumeSize</li>
</ol>
</p>
"param" limitName Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
<li>MaximumVolumeSize</li>
</ol>
"return" Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
<li>MaximumVolumeSize</li>
</ol>

```
size that is applicable for given storage type. It can be empty if it is not applicable. 

<li>MaximumIops</li> 
Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 

<li>MinimumIops</li> 
Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 

```
"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : "Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> 
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 

<li>MaximumVolumeSize</li> 
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 

<li>MaximumIops</li> 
Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 

<li>MinimumIops</li> 
Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
```
```
\n\nThis is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the [@link Consumer] completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to [@link #limitValues(List<String>)].

@throws IllegalArgumentException Returns a reference to this object so that method calls can be chained together.
@see #limitValues(List<String>)
```
```
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "<p> Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt;.
&lt;/p&gt;&lt;p&gt;\n@param limitValues Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt; \n@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "limitValues",
"getterDocumentation" : "<p> Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt;.
&lt;/p&gt;&lt;p&gt;\nAttempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
&lt;/p&gt;&lt;p&gt;\n@returns Values for the &lt;code&gt; &lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt; &lt;/code&gt;.
&lt;/p&gt;&lt;p&gt;\n
type: java.util.List<String>

\n
http:\{
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "LimitValue",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create
one manually via {@link String#builder()}\.\n\nWhen the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n\nmember a consumer that will call methods on {@link String.Builder}\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)";

  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  }
}
"deprecated": false,
"documentation": "",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

.setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String"
"variableName": "member",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "LimitValues",
"setterDocumentation": "<p> Values for the <code><a>StorageTypeLimit$LimitName</a></code> .

@ param limitValues Values for the <code><a>StorageTypeLimit$LimitName</a></code> .",
"setterMethodName": "setLimitValues",
"setterModel": {
"variableDeclarationType": "java.util.List<String>",
"variableName": "limitValues",
"variableType": "java.util.List<String>",
"documentation": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "java.util.List<String>",
"variableName": "limitValues",
"variableType": "java.util.List<String>",
"documentation": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"}
"variableType" : "java.util.List<String>",
"documentation" : "<p> Values for the <code>&lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt;</code>. </p>",
"simpleType" : "List&lt;String&gt;",
"variableSetterType" : "java.util.Collection&lt;String&gt;"
],
"xmlNameSpaceUri" : null
} ]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "StorageTypeLimit",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "StorageTypeLimit",
  "variableName" : "storageTypeLimit",
  "variableType" : "StorageTypeLimit",
  "documentation" : null,
  "simpleType" : "StorageTypeLimit",
  "variableSetterType" : "StorageTypeLimit"
},
"wrapper" : false
},
"Tag" : {
  "c2jName" : "Tag",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies a key value pair for a resource tag.</p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getKey",
  "beanStyleSetterMethodName" : "setKey",
  "c2jName" : "Key",
  "c2jShape" : "TagKey",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #key(String)].
@returns a reference to this object so that method calls can be chained together.
@see #key(String)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@returns a reference to this object so that method calls can be chained together.
@see #key(String)",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@returns the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@see #key(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Key",
    "uri" : false
"setterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

@<p>\n@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.".

"setterMethodName" : "setKey",
"setModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "Value",
"c2jShape" : "TagValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}\n@\n@param value a consumer that will call methods on {@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",

"fluentSetterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@returns Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@returns Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>
Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>
@param value
Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ];
"membersAsMap" : {
"Key" : {
  "beanStyleGetterMethodName" : "getKey",
  "beanStyleSetterMethodName" : "setKey",
  "c2jName" : "Key",
  "c2jShape" : "TagKey",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link String.Builder}.
@param key a consumer that will call methods on { @link String.Builder}.
@see #key(String)
"deprecated" : false,
"documentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "key",
"fluentSetterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName": "key",
"getterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Key",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Key",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"isJsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.

@end

@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
",
"setterMethodName": "key",
"setterModel": {
  "returnType": "String",
  "documentation": null
},
"type": "string"}
are attached."
```
setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : 
    "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique
for the Elasticsearch domain to which they are attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
```
```
"Value" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "Value",
  "c2jShape" : "TagValue",
  "defaultConsumerFluentSetterDocumentation" : 
    "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of
<code>project : Trinity</code>
and
<code>cost-center : Trinity</code>.

This is a convenience that creates an instance of the [
@link String.Builder]
avoiding the need to create one manually via [
@link String#builder()]

When the [
@link Consumer]
completes, [
@link String.Builder#build()]
is called immediately and its result is passed to [
@link #value(String)]

A consumer that will call methods on [
@link String.Builder]
\@return Returns a reference to this object so that method calls can be chained together.\@see #value(String)]",
  "deprecated" : false,
  "documentation" : 
    "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of
<code>project : Trinity</code>
and
<code>cost-center : Trinity</code>.

"enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : 
    "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a
key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

```
public class TagValue {
    @param value
    Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.
    
    @return Returns a reference to this object so that method calls can be chained together.
    
    "getterMethodName" : "value",
    "getterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.
    
    @return Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.
    
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },

    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayLoad" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Value",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Value",
        "uri" : false
    },

    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "Value",

    "setterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.
    
    @param value
    Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.
    
    "setterMethodName" : "setValue",
```
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "Key",
    "c2jShape": "TagKey",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #key(String)].

@link String.Builder#build() returns a reference to this object so that method calls can be chained together.

@see #key(String)",
  "deprecated": false,
  "documentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>"],
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "key",
"fluentSetterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

@link String.Builder#build() returns a reference to this object so that method calls can be chained together."}
"fluentSetterMethodName" : "key",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>\n@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>\n@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.",
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>Specifies the `<code>TagKey</code>`, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "Value",
"c2jShape" : "TagValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link String#value(String)}`.

@deprecated
@see #value(String)",
"documentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@see #value(String)"
 insurgent: "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@see #value(String)"
 insurgent: "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@see #value(String)"
 insurgent: "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@see #value(String)"
 insurgent: "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@see #value(String)"
 insurgent: "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

@see #value(String)"
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"setterDocumentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code><code>}</code>
\n\n@param value Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code><code>}</code>
\n\nsetterMethodname": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simple": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Value",
  "uri": false
},
"idempotencyToken": false,
"variableType" : "String",
"documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
] 
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "Key", "Value" ],
"shapeName" : "Tag",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"wrapper" : false
},
"UpdateElasticsearchDomainConfigRequest" : {
"c2jName" : "UpdateElasticsearchDomainConfigRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the <code><a>UpdateElasticsearchDomain</a></code> operation. Specifies the type and number of instances in the domain cluster.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "UpdateElasticsearchDomainConfig",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/domain/{DomainName}/config",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultValueConsumerFluentSetterDocumentation" : "The name of the Elasticsearch domain that you are updating. This is a convenience that creates an instance of the \{\link String.Builder\} avoiding the need to create one manually via \{\link String.Builder#builder()\}.\n\nWhen the \{\link Consumer\} completes, \{\link String.Builder#build()\} is called immediately and its result is passed to \{\link #domainName(String)\}.\n\n@param domainName a consumer that will call methods on \{\link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "The name of the Elasticsearch domain that you are updating.\n\nWhen the \{\link Consumer\} completes, \{\link String.Builder#build()\} is called immediately and its result is passed to \{\link #domainName(String)\}.\n\n@param domainName The name of the Elasticsearch domain that you are updating.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "The name of the Elasticsearch domain that you are updating.\n\nWhen the \{\link Consumer\} completes, \{\link String.Builder#build()\} is called immediately and its result is passed to \{\link #domainName(String)\}.\n\n@param domainName The name of the Elasticsearch domain that you are updating.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : "uri",
    },
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@param
domainName The name of the Elasticsearch domain that you are updating.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}
"
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the
domain cluster.</p>

This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder } avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder() }.

When the { @link Consumer } completes, { @link ElasticsearchClusterConfig.Builder#build() } is called immediately and its result is passed to { @link
cluster.

"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>"
},
"xmlNameSpaceUri" : null
},
},
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use.</p>\nThis is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #ebsOptions(EBSOptions)",
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>"",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use.</p>\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n",
"nameSpaceUri" : null,
"getterMethodName" : "ebsOptions",
"getterModel" : {"simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>"
  },
  "xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>\n\nWhen the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #ebsOptions(EBSOptions)",
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>"",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n",
"getterMethodName" : "ebsOptions",
"getterModel" : {"simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>"
  },
  "xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>\n\nWhen the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #ebsOptions(EBSOptions)",
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>"",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n",
"getterMethodName" : "ebsOptions",
"getterModel" : {"simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>"
  },
  "xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>\n\nWhen the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.\n\n@deprecated
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #ebsOptions(EBSOptions)",
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n</p>"",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. \n@param
ebsOptions Specify the type and size of the EBS volume that you want to use.".,
"setterMethodName" : "setEbsOptions",
"setterModel" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. \</p>".
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
Option to set the time, in UTC format, for the daily automated snapshot. Default value is \(\text{<code>0</code>}</code> hours. 
This is a convenience that creates an instance of the \{@link SnapshotOptions.Builder\} avoiding the need to create one manually via \{@link SnapshotOptions#builder()\}. When the \{@link Consumer\} completes, \{@link SnapshotOptions.Builder#build()\} is called immediately and its result is passed to \{@link #snapshotOptions(SnapshotOptions)\}. 
@param snapshotOptions a consumer that will call methods on \{@link SnapshotOptions.Builder\} 
@return Returns a reference to this object so that method calls can be chained together. 
@see #snapshotOptions(SnapshotOptions)",
"deprecated" : false,
"documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \(\text{<code>0</code>}</code> hours."
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \(\text{<code>0</code>}</code> hours.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \(\text{<code>0</code>}</code> hours."
"getterModel" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. <code>@param snapshotOptions</code> Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours."
,"setterMethodName" : "setSnapshotOptions",
"setterModel" : {

"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours."
,"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
}, {

"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>

This is a convenience that creates an instance of the <code>VPCOptions.Builder</code> avoiding the need to create one manually via <code>VPCOptions.Builder#build()</code>
called immediately and its result is passed to \{@link #vpcOptions(VPCOptions)\}.\n@param vpcOptions a consumer that will call methods on \{@link VPCOptions.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #vpcOptions(VPCOptions)\",
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>",
"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>",
"getterModel" : {
"returnType" : "VPCOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"returnType" : "VPCOptions",
"documentation" : null
}
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>\n@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-
Amazon Cognito Authentication for Kibana

This is a convenience that creates an instance of the `CognitoOptions.Builder` avoiding the need to create one manually via `CognitoOptions.Builder#builder()`. When the `Consumer` completes, `CognitoOptions.Builder#build()` is called immediately and its result is passed to `CognitoOptions#cognitoOptions(CognitoOptions)`. Returns a reference to this object so that method calls can be chained together.

```java
@see #cognitoOptions(CognitoOptions)```

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
public class CognitoOptions {
    // Implementation details...
}
```

```java
return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).
```

```java
return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).
```

```java
return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).
```
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"setterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)>
@param
cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).",
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "Modifies the advanced option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)."
service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>This is a convenience that creates an instance of the {@link Map<String,String>.Builder} avoiding the need to create one manually via {@link Map<String,String>#builder()}. When the {@link Consumer} completes, {@link Map<String,String>.Builder#build()} is called immediately and its result is passed to {@link #advancedOptions(Map<String,String>)}.<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@throws IllegalArgumentException If the argument is null.\n@throws IllegalStateException If the argument is not null and is already set.\n@throws NullPointerException If the argument is null.\n@throws IllegalArgumentException If the argument is not a String.\n\nThis method is not threadsafe, so make sure that the Consumer is processed in a single-threaded context.\n\n\n@see #key(String)"
  }
  }
},
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@throws IllegalArgumentException If the argument is null.\n@throws IllegalStateException If the argument is not null and is already set.\n@throws NullPointerException If the argument is null.\n@throws IllegalArgumentException If the argument is not a String.\n\nThis method is not threadsafe, so make sure that the Consumer is processed in a single-threaded context.\n\n\n@see #key(String)",
"getterDocumentation" : "Returns the value of the Key property for this object.
\n\n@throws IllegalArgumentException If the argument is null.\n@throws IllegalStateException If the argument is not null and is already set.\n\nThis method is not threadsafe, so make sure that the Consumer is processed in a single-threaded context.\n\n\n@see #key(String)"}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object."

"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "String",
"defaultValueSetterDocumentation" : "Sets the value of the Value property for this object. This
is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the @link Consumer completes, this method is called immediately and its result is passed to
{@link String.Builder}.

@see #value(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object. The
new value for the Value property for this object.

@see #value(String)",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",}
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>\n\n@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>.</p>

  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
  "xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getAccessPolicies",
  "beanStyleSetterMethodName" : "setAccessPolicies",
  "c2jName" : "AccessPolicies",
  "c2jShape" : "PolicyDocument",
  "defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>

  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",}
"getterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>\n@return IAM access policy as a JSON-formatted string."
,"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "AccessPolicies",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AccessPolicies",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "AccessPolicies",
"setterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string.
,"setterMethodName": "setAccessPolicies",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "accessPolicies",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "accessPolicies",
"variableType": "String"}
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

This is a convenience that creates an instance of the {<link Map<String,LogPublishingOption>}.Builder} avoiding the need to create one manually via {<link Map<String,LogPublishingOption>#builder()}. When the {<link Consumer> completes, {<link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {<link Map<String,LogPublishingOption>.Builder#build()}.

When the {<link Map<String,LogPublishingOption>#build()} completes, {<link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {<link Map<String,LogPublishingOption>.Builder#build()}.

When the {<link LogPublishingOptionsWithStrings(Map<String,LogPublishingOption>)}.@param Map<String,LogPublishingOption> a consumer that will call methods on {<link Map<String,LogPublishingOption>.Builder}

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "deprecated" : false,
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
  "enumType" : null,
  "eventoHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "logPublishingOptions",
  "fluentEnumSetterMethodName" : "logPublishingOptions",
  "fluentGetterMethodName" : "logPublishingOptionsAsStrings",
  "fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@link Map<String,LogPublishingOption>.Builder

@returns Returns a reference to this object so that method calls can be chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "getterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperation.

@returns Returns a reference to this object so that method calls can be chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"defaultValue": "null",
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{@link LogPublishingOption.Builder\} avoiding the need to create one manually via \{@link LogPublishingOption.Builder\}.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@see \#value(LogPublishingOption)",
  "deprecated": false,
  "documentation": null,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@see \#value(LogPublishingOption)",
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@see \#value(LogPublishingOption)",
  "getterModel": {
    "returnType": "LogPublishingOption",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "value",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "value",
  }
},
"xmlNameSpaceUri": null,
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{@link LogPublishingOption.Builder\} avoiding the need to create one manually via \{@link LogPublishingOption.Builder#builder\}.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@see \#value(LogPublishingOption)",
  "deprecated": false,
  "documentation": null,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@see \#value(LogPublishingOption)",
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@see \#value(LogPublishingOption)",
  "getterModel": {
    "returnType": "LogPublishingOption",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "value",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "value",
  }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNamespaceUri" : null,
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "&lt;p&gt;Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;\n\n@param logPublishingOptions Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>"
Map of LogType and LogPublishingOption, each containing options to publish a given type of Elasticsearch log.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #accessPolicies(String).

@param accessPolicies a consumer that will call methods on @link String.Builder
@return Returns a reference to this object so that method calls can be chained together.

@see #accessPolicies(String)
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string."
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-create-domain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

This is a convenience that creates an instance of the Map<String,String>.Builder avoiding the need to create one manually via Map<String,String>#builder(). When the Consumer completes, Map<String,String>.Builder#build() is called immediately and its result is passed to Map<String,String>.Builder#build(). Returns a reference to this object so that method calls can be chained together.

Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-create-domain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-create-domain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultValueSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the (String.Builder) avoiding the need to create one manually via (String.Builder#builder()).

When the (Consumer) completes, (String.Builder#build()) is called immediately and its result is passed to (String).@param key a consumer that will call methods on (String.Builder)@return Returns a reference to this object so that method calls can be chained together.@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@returns: The value of the Key property for this object.
\n@returns: Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\n@returns: Returns a reference to this object so that method calls can be chained together."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@returns: Returns a reference to this object so that method calls can be chained together."

"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "String",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()].

When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #value(String)].

@param value a consumer that will call methods on [link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.

@see #value(String)
",
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object.

The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object.

@return The value of the Value property for this object.
",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
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    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
    "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.
\n@\n@param value The new value for the Value property for this object."
,"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"setterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is"

@partner advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

```
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "complexType" : "JavaUtilMap",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "complexType" : "JavaUtilMap",
  "documentation" : "Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
}]
```

```
"CognitoOptions" : {
  "beanStyleGetterMethodName" : "getCognitoOptions",
  "beanStyleSetterMethodName" : "setCognitoOptions",
  "c2jName" : "CognitoOptions",
  "c2jShape" : "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the { @link CognitoOptions.Builder} avoiding the need to create one manually via { @link CognitoOptions.Builder#builder()}. When the { @link Consumer} completes, { @link CognitoOptions.Builder#build()} is called immediately and its result is passed to { @link CognitoOptions}.
  "deprecated" : false,
```

```
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
@Param
public CognitoOptions cognitoOptions;
```

For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
getCognitoOptions();
```

For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).
options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.)

```java
public class CognitoOptions {
    // Constructor and methods
}
```

The `CognitoOptions` class is used to specify the Cognito user and identity pools for Kibana authentication. It can be used as follows:

```java
CognitoOptions cognitoOptions = new CognitoOptions();
```

For more information, see the Amazon Cognito Authentication documentation for Kibana.
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.
</p>@param domainName The name of the Elasticsearch domain that you are updating.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@return The name of the Elasticsearch domain that you are updating. </p>@return The name of the Elasticsearch domain that you are updating.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>@param domainName The name of the Elasticsearch domain that you are updating.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String"}
"variableSetterType" : "String",
}.
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions.Builder}.
When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to
the provider that called methods on the instance of the @link EBSOptions.Builder that will call methods on the instance of the @link EBSOptions.Builder.

@see #ebsOptions(EBSOptions)
@return Returns a reference to this object so that method calls can be chained together.
@deprecated
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@see #ebsOptions(EBSOptions)
@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@see #ebsOptions(EBSOptions)
@return Specify the type and size of the EBS volume that you want to use."
}"getterModel" : {
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. 

@param ebsOptions Specify the type and size of the EBS volume that you want to use. 

setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use. 

@param ebsOptions Specify the type and size of the EBS volume that you want to use. 

setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig"
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
This is a convenience that creates an instance of the [ElasticsearchClusterConfig.Builder] avoiding the need to create one manually via [ElasticsearchClusterConfig#builder()].

When the [ElasticsearchClusterConfig.Builder#build()] is called immediately and its result is passed to [ElasticsearchClusterConfig#elasticsearchClusterConfig(ElasticsearchClusterConfig)] a consumer that will call methods on [ElasticsearchClusterConfig.Builder].

@return Returns a reference to this object so that method calls can be chained together.

@see ElasticsearchClusterConfig(ElasticsearchClusterConfig)"

"deprecated" : false,
"documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
"getterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "The type and number of instances to instantiate for the domain cluster.\n@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "The type and number of instances to instantiate for the domain cluster.",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null,
"LogPublishingOptions" : {
  "beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
  "beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "Map of \<code\>LogType</code\> and \<code\>LogPublishingOption</code\>, each containing options to publish a given type of Elasticsearch log.\n\nThis is a convenience that creates an instance of the \{ @link Map\<String,LogPublishingOption\>\}.Builder\} avoiding the need to create one manually via \{ @link Map\<String,LogPublishingOption\>#builder() \}.\n\nWhen the \{ @link Consumer\} completes, \{ @link Map\<String,LogPublishingOption\>.Builder#build() \} is called immediately and its result is passed to \{ @link #logPublishingOptionsAsStrings(Map\<String,LogPublishingOption\>) \}.\n\n@see #logPublishingOptionsWithStrings(Map\<String,LogPublishingOption\>)",
  "deprecated" : false,
  "documentation" : "Map of \<code\>LogType</code\> and \<code\>LogPublishingOption</code\>, each containing options to publish a given type of Elasticsearch log."
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsString",
"fluentSetterDocumentation" : "<p>Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;\n@param logPublishingOptions Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.".
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "<p>Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.
&lt;/p&gt;\n@return Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.",&
"getterModel" : {
"returnType" : "java.util.Map&lt;String,LogPublishingOption&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"fluentEnumName" : "LogType",
"fluentEnumType" : "java.util.Map&lt;LogType,LogPublishingOption&gt;",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt; containing options to publish a given type of Elasticsearch log. Attempt to modify the collection returned by this method will result in an UnsupportedOperationException. Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "java.util.Map&lt;String,LogPublishingOption&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"fluentEnumName" : "LogType",
"fluentEnumType" : "java.util.Map&lt;LogType,LogPublishingOption&gt;",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt; containing options to publish a given type of Elasticsearch log. Attempt to modify the collection returned by this method will result in an UnsupportedOperationException. Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "java.util.Map&lt;String,LogPublishingOption&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"fluentEnumName" : "LogType",
"fluentEnumType" : "java.util.Map&lt;LogType,LogPublishingOption&gt;",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt; containing options to publish a given type of Elasticsearch log. Attempt to modify the collection returned by this method will result in an UnsupportedOperationException. Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "java.util.Map&lt;String,LogPublishingOption&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"c2jShape" : "LogType",
"defaultValueFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\n
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link LogType#keyAs(String)}\n
@see LogType
@return Returns a reference to this object so that method calls can be chained together.\n
@see #key(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n
The new value for the Key property for this object.\n
If the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link LogType#keyAs(String)}\n
@see LogType
@return Returns a reference to this object so that method calls can be chained together.\n
@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n
If the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link LogType#keyAs(String)}\n
@see LogType",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the LogPublishingOption.Builder avoiding the need to create one manually via LogPublishingOption#builder().

When the Consumer completes, LogPublishingOption.Builder#build() is called immediately and its result is passed to LogPublishingOption#

@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",}
"fluentSetterDocumentation": "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.\n@return The value of the Value property for this object.",
"getterModel": {
"returnType": "LogPublishingOption",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.\n",
"setterMethodName": "setValue",
"setterModel": {
"variableDeclarationType": "LogPublishingOption",
"variableName": "value",
"variableType": "LogPublishingOption",
"documentation": null,
"simpleType": "LogPublishingOption",
"variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
  "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions",
  "c2jShape" : "SnapshotOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
This is a convenience that creates an instance of
the [SnapshotOptions.Builder] avoiding the need to create one manually via [SnapshotOptions#builder()].
When the [Consumer] completes, [SnapshotOptions.Builder#build()] is called immediately and its result is passed to [SnapshotOptions(SnapshotOptions)].

@see #snapshotOptions(SnapshotOptions)

- **@param snapshotOptions** a consumer that will call methods on [SnapshotOptions.Builder]

  - **@return** Returns a reference to this object so that method calls can be chained together.

  - **@see #snapshotOptions(SnapshotOptions)**

  - **@deprecated** false

  - **documentation**: "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>

  - **enumType** : null

  - **eventHeader** : false

  - **eventPayload** : false

  - **fluentEnumGetterMethodName** : null

  - **fluentEnumSetterMethodName** : null

  - **fluentGetterMethodName** : "snapshotOptions"

  - **fluentSetterMethodName** : "snapshotOptions"

  - **getterDocumentation**: "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>

  - **getterModel**: {
    - **returnType** : "SnapshotOptions",
    - **documentation** : null
  }

  - **http**: {
    - **additionalMarshallingPath** : null
    - **additionalUnmarshallingPath** : null
    - **flattened** : false
    - **greedy** : false
    - **header** : false
    - **isPayload** : false
    - **isStreaming** : false
    - **location** : null
    - **marshallLocation** : "PAYLOAD"
    - **marshallLocationName** : "SnapshotOptions",
    - **queryString** : false
    - **statusCode** : false
    - **unmarshallLocationName** : "SnapshotOptions",
    - **uri** : false
  }

  - **idempotencyToken** : false

  - **isBinary** : false

  - **jsonValue** : false

  - **list** : false

  - **listModel** : null
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
",
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null,
"VPCOptions" : {
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
This is a convenience that creates an instance of the { @link VPCOptions.Builder} avoiding the need to create one manually via { @link VPCOptions#builder()}. When the { @link Consumer} completes, { @link VPCOptions.Builder#build()} is called immediately and its result is passed to { @link vpcOptions(VPCOptions)}. @param vpcOptions a consumer that will call methods on { @link VPCOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #vpcOptions(VPCOptions)".
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>". 
"enumType" : null,
"eventHeader" : false,
"eventPaylod" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "vpcOptions",

"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>
@return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
",
"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
Options to specify the subnets and security groups for VPC endpoint. For more information, see Creating a VPC endpoint in VPC Endpoints for Amazon Elasticsearch Service Domains. The name of the Elasticsearch domain that you are updating. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, the String.Builder#build() is called immediately and its result is passed to @param a consumer that will call methods on @link String.Builder the reference to this object so that method calls can be chained together. see #domainName(String).
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.

@\param domainName The name of the Elasticsearch domain that you are updating.
\n@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.  

\n@return The name of the Elasticsearch domain that you are updating.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.  

\n@param domainName The name of the Elasticsearch domain that you are updating.
",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "variableType" : "String"}
null
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "The type and number of instances to instantiate for the domain cluster.
\n@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
 "variableDeclarationType" : "ElasticsearchClusterConfig",
 "variableName" : "elasticsearchClusterConfig",
 "variableType" : "ElasticsearchClusterConfig",
 "documentation" : null,
 "simpleType" : "ElasticsearchClusterConfig",
 "variableSetterType" : "ElasticsearchClusterConfig"
 },
 "simple" : false,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "ElasticsearchClusterConfig",
 "variableName" : "elasticsearchClusterConfig",
 "variableType" : "ElasticsearchClusterConfig",
 "documentation" : "The type and number of instances to instantiate for the domain cluster.",
 "simpleType" : "ElasticsearchClusterConfig",
 "variableSetterType" : "ElasticsearchClusterConfig"
 },
 "xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getEbsOptions",}
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link EBSOptions#ebsOptions(EBSOptions)}.{\n-param ebsOptions a consumer that will call methods on {@link EBSOptions.Builder}\n@see #ebsOptions(EBSOptions)"agnostics},
"deprecated" : false,
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@see #ebsOptions(EBSOptions)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@see #ebsOptions(EBSOptions)",
"getterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@see #ebsOptions(EBSOptions)",
"getterModel" : {
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"setterDocumentation": "<p>Specify the type and size of the EBS volume that you want to use. </p>
@param
@ebsOptions Specify the type and size of the EBS volume that you want to use.",
"setterMethodName": "setEbsOptions",
"setterModel": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "ebsOptions",
  "variableType": "EBSOptions",
  "documentation": "<p>Specify the type and size of the EBS volume that you want to use. </p>",
  "simpleType": "EBSOptions",
  "variableSetterType": "EBSOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "ebsOptions",
  "variableType": "EBSOptions",
  "documentation": "<p>Specify the type and size of the EBS volume that you want to use. </p>",
  "simpleType": "EBSOptions",
  "variableSetterType": "EBSOptions"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getSnapshotOptions",
"beanStyleSetterMethodName": "setSnapshotOptions",
"c2jName": "SnapshotOptions",
"c2jShape": "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link
SnapshotOptions#builder()}.\n\nWhen the {@link Consumer} completes, {@link
SnapshotOptions.Builder#build()} is called immediately and its result is passed to {@link
#snapshotOptions(SnapshotOptions)},\n@snaphotOptions a consumer that will call methods on {@link
SnapshotOptions.Builder}\n@returns Returns a reference to this object so that method calls can be chained
together.\n@see #snapshotOptions(SnapshotOptions)"
,"deprecated": false,
"documentation": "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 
@return Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
",
"getterModel" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions"}
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : 
      "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \<code>0</code> hours. \</p>",
  "variableSetterType" : "SnapshotOptions",
}
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : 
      "Options to specify the subnets and security groups for VPC endpoint. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in \<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>. This is a convenience that creates an instance of the \<code>VPCOptions.Builder</code> avoiding the need to create one manually via \(<@link VPCOptions.Builder\>)\<\\nWhen the \(<\@link Consumer\>) completes, \(<@link VPCOptions.Builder#build\()\> is called immediately and its result is passed to \(<@link \#vpcOptions(VPCOptions)\>\) a consumer that will call methods on \(<@link VPCOptions.Builder\>)\<\@return Returns a reference to this object so that method calls can be chained together.\<\@see \#vpcOptions(VPCOptions)\>\)
      "deprecated" : false,
      "documentation" : 
      "Options to specify the subnets and security groups for VPC endpoint. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in \<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
      "fluentEnumSetterMethodName" : null,
      "fluentGetterMethodName" : "vpcOptions",
      "fluentSetterDocumentation" : 
      "Options to specify the subnets and security groups for VPC endpoint. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in \<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.\n\<\@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in \<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>\n\<\@return Returns a reference to this object so that method calls can be chained together.\"
      "fluentSetterMethodName" : "vpcOptions",
      "documentation" : 
      "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \<code>0</code> hours. \</p>",
      "variableSetterType" : "SnapshotOptions"
}.
"getterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
",
"getterModel": {
"returnType": "VPCOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "VPCOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VPCOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "VPCOptions",
"setterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
",
"setterMethodName": "setVpcOptions",
"setterModel": {
"variableDeclarationType": "VPCOptions",
"variableName": "vpcOptions",
"variableType": "VPCOptions"
"documentation" : null,
"simpleType" : "VPCOptions",
"variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "VPCOptions",
"variableName" : "vpcOptions",
"variableType" : "VPCOptions",
"documentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-creating-vpc.html) in VPC Endpoints for Amazon Elasticsearch Service Domains/.

"simpleType" : "VPCOptions",
"variableSetterType" : "VPCOptions"
},
"xmlNameSpaceUri" : null
],

"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html). This is a convenience that creates an instance of the [CognitoOptions.Builder](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) avoiding the need to create one manually via CognitoOptions.Builder. When the [Consumer] completes, CognitoOptions.Builder#build() is called immediately and its result is passed to CognitoOptions.Builder#return. Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)."
Kibana</a>.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>.

@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>.

@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.".

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "cognitoOptions",
    "variableType" : "CognitoOptions",
"documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
 },
  "simple": false,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "CognitoOptions",
    "variableName": "cognitoOptions",
    "variableType": "CognitoOptions",
    "documentation": "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For
    more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>",
    "simpleType": "CognitoOptions",
    "variableSetterType": "CognitoOptions"
  },
  "xmlNameSpaceUri": null
 },
  "beanStyleGetterMethodName": "getAdvancedOptions",
  "beanStyleSetterMethodName": "setAdvancedOptions",
  "c2jName": "AdvancedOptions",
  "c2jShape": "AdvancedOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>Modifies the advanced option to allow references to
    indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-
    resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the {
  @link Map<String,String>.Builder\} without the need to create one manually via {
  @link Map<String,String>#builder()}\}.\n\nWhen the \{@link Consumer\} completes, \{@link Map<String,String>.Builder#build\} is called immediately and its result is passed to \{@link Map<String,String>.Builder#build\} a consumer that will call methods on \{@link Map<String,String>.Builder\}\} at return. Returns a reference to this object so that method calls can be chained together.\n\n@see #advancedOptions(Map<String,String>)",
  "deprecated": false,
  "documentation": "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "advancedOptions",
  "fluentSetterDocumentation": "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"},
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
"advancedOptions" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key"
"keyModel" : {
  "beanStyleGetterMethodName" : "getKey",
  "beanStyleSetterMethodName" : "setKey",
  "c2jName" : "key",
  "c2jShape" : "String",

  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #key(String)}.

  @param key a consumer that will call methods on {@link String.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  @see #key(String)",

  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object. The new value for the Key property for this object.
  @param key The new value for the Key property for this object.
  @return Returns a reference to this object so that method calls can be chained together.",

  "getterDocumentation" : "key",
  "getDocumentation" : "key",
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"xmlnsSpaceUri" : null
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}. Returns a reference to this object so that method calls can be chained together.

@see #value(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodname" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n@return The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>
},
"marshallingType": "MAP",
"name": "AdvancedOptions",
"setterDocumentation": "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;&lt;p&gt;In @param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.",
  "setterMethodName": "setAdvancedOptions",
  "setterModel": {
    "variableDeclarationType": "java.util.Map<String,String>",
    "variableName": "advancedOptions",
    "variableType": "java.util.Map<String,String>",
    "documentation": null,
    "simpleType": "Map<String,String>",
    "variableSetterType": "java.util.Map<String,String>"
  },
  "simple": false,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "java.util.Map<String,String>",
    "variableName": "advancedOptions",
    "variableType": "java.util.Map<String,String>",
    "documentation": "",
    "simpleType": "Map<String,String>",
    "variableSetterType": "java.util.Map<String,String>"
  }
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": "",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
}
IAM access policy as a JSON-formatted string.

setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "IAM access policy as a JSON-formatted string.
  
  @param accessPolicies
  IAM access policy as a JSON-formatted string.
  
  @see #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)",
  "deprecated" : false,
  "documentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

This is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}. When the {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to the builder method on a @link Map<String,LogPublishingOption>.Builder \n@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

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@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()

@link Map<String,LogPublishingOption>.Builder#build()
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "Map of \<code>LogType</code> and \<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
\param logPublishingOptions Map of \<code>LogType</code> and \<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
\return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "Map of \<code>LogType</code> and \<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
\p
\param logPublishingOptions Map of \<code>LogType</code> and \<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
\return Map of \<code>LogType</code> and \<code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
"getterModel" : {
  "returnType" : "java.util.Map\<String,LogPublishingOption>\",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
  }
}
"c2jName" : "key",
"c2jShape" : "LogType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link keyAsString(String)}.

@deprecated
@param key a consumer that will call methods on {link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see LogType
@returns

"documentation" : "",
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@returns

"getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, {link key} will return {link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {link keyAsString}.

@returns

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link LogPublishingOption.Builder} avoiding the need to create one manually via {@link LogPublishingOption#builder()}. When the {@link Consumer} completes, {@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to {@link #value(LogPublishingOption)}. When a value consumer is set, calls that set the value of the Value property are chained together.

@see #value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.
@return The value of the Value property for this object.",
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : 
  
  "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>"
@param logPublishingOptions Map of
  <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>"
",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
}]
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "UpdateElasticsearchDomainConfigRequest",
"simpleMethod" : false,
"unmarshaller" : null,
UpdateElasticsearchDomainConfigRequest

- variableDeclarationType: UpdateElasticsearchDomainConfigRequest
- variableName: updateElasticsearchDomainConfigRequest
- variableType: UpdateElasticsearchDomainConfigRequest
- documentation: null
- simpleType: UpdateElasticsearchDomainConfigRequest
- variableSetterType: UpdateElasticsearchDomainConfigRequest

UpdateElasticsearchDomainConfigResponse

- c2jName: UpdateElasticsearchDomainConfigResponse
- customization: {
  - artificialResultWrapper: null
  - skipGeneratingMarshaller: false
  - skipGeneratingModelClass: false
  - skipGeneratingUnmarshaller: false
  - staxTargetDepthOffset: 0
}
- deprecated: false
- documentation: "The result of an <code>UpdateElasticsearchDomain</code> request. Contains the status of the Elasticsearch domain being updated."
- enums: null
- errorCode: null
- event: false
- eventStream: false
- explicitEventPayloadMember: null
- hasHeaderMember: false
- hasPayloadMember: false
- hasStatusCodeMember: false
- hasStreamingMember: false
- httpStatusCode: null
- marshaller: null
- members: [ {
  - beanStyleGetterMethodName: "getDomainConfig"
  - beanStyleSetterMethodName: "setDomainConfig"
  - c2jName: "DomainConfig"
  - c2jShape: "ElasticsearchDomainConfig"
  - defaultConsumerFluentSetterDocumentation: "The status of the updated Elasticsearch domain."
  - documentation: "The status of the updated Elasticsearch domain."
  - enumType: null
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>
@param
domainConfig The status of the updated Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>
@return The status of the updated Elasticsearch domain.",
"getterModel" : {
"returnType" : "ElasticsearchDomainConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"setterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>
@param domainConfig
The status of the updated Elasticsearch domain.
@return The status of the updated Elasticsearch domain.",
"setterMethodName" : "setDomainConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : null,
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : "<p>The status of the updated Elasticsearch domain. </p>
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"DomainConfig" : {
"beanStyleGetterMethodName" : "getDomainConfig",
"beanStyleSetterMethodName" : "setDomainConfig",
"c2jName" : "DomainConfig",
"c2jShape" : "ElasticsearchDomainConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain.
</p>
This is a convenience that creates an instance of the {@link ElasticsearchDomainConfig.Builder} avoiding
the need to create one manually via {@link ElasticsearchDomainConfig.Builder#builder()}. When the
{@link Consumer} completes,{@link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is
passed to the method on { @link ElasticsearchDomainConfig.Builder}.

@param domainConfig a consumer that will call
methods on { @link ElasticsearchDomainConfig.Builder}
@return Returns a reference to this object so that method
calls can be chained together.
@see #domainConfig(ElasticsearchDomainConfig)",
"deprecated" : false,
"documentation" : "<p>The status of the updated Elasticsearch domain. </p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>
\n@see #domainConfig(ElasticsearchDomainConfig) The status of the updated Elasticsearch domain.\n@return Returns a reference to this object so that method
calls can be chained together.\n@see #domainConfig(ElasticsearchDomainConfig) The status of the updated Elasticsearch domain.\n@return Returns a reference to this object so that method
calls can be chained together.>",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>
\n@return The status of the updated Elasticsearch domain.\n@see #domainConfig(ElasticsearchDomainConfig) The status of the updated Elasticsearch domain.\n@return The status of the updated Elasticsearch domain.\n@see #domainConfig(ElasticsearchDomainConfig) The status of the updated Elasticsearch domain.>",
"getterModel" : {
"returnType" : "ElasticsearchDomainConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"setterDocumentation" : "The status of the updated Elasticsearch domain.\n\n@param domainConfig\n\nThe status of the updated Elasticsearch domain.\n\n@\n\nsetterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "The status of the updated Elasticsearch domain.\n\nThe status of the updated Elasticsearch domain.\n\n\nsetterDocumentation" : "The status of the updated Elasticsearch domain.\n\n\nsetterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainConfig",
"beanStyleSetterMethodName" : "setDomainConfig",
"c2jName" : "DomainConfig",
"c2jShape" : "ElasticsearchDomainConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain.

This is a convenience that creates an instance of the { @link ElasticsearchDomainConfig.Builder} avoiding
the need to create one manually via { @link ElasticsearchDomainConfig#builder()}. When the { @link
Consumer} completes, { @link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is
passed to { @link #domainConfig(ElasticsearchDomainConfig)}

@see #domainConfig(ElasticsearchDomainConfig)

@return Returns a reference to this object so that method calls can be chained together.

@see #domainConfig(ElasticsearchDomainConfig)",

deprecated" : false,
"documentation" : "<p>The status of the updated Elasticsearch domain. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>

@return The status of the updated Elasticsearch domain.

@see #domainConfig(ElasticsearchDomainConfig)

@return Returns a reference to this object so that method calls can be chained together.

getterDocumentation" : "<p>The status of the updated Elasticsearch domain. </p>",
"getterModel" : {  
  "returnType" : "ElasticsearchDomainConfig",
  "documentation" : null
 },
"http" : {  
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainConfig",
  "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
The status of the updated Elasticsearch domain.

```javascript
"setterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "The status of the updated Elasticsearch domain.",
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "The status of the updated Elasticsearch domain.",
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
}
", "required" : [ "DomainConfig" ],
"shapeName" : "UpdateElasticsearchDomainConfigResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpdateElasticsearchDomainConfigResponse",
  "variableName" : "updateElasticsearchDomainConfigResponse",
  "variableType" : "UpdateElasticsearchDomainConfigResponse",
  "documentation" : null,
  "simpleType" : "UpdateElasticsearchDomainConfigResponse",
  "variableSetterType" : "UpdateElasticsearchDomainConfigResponse"
},
"wrapper" : false
}
"UpgradeElasticsearchDomainRequest" : {
    "c2jName" : "UpgradeElasticsearchDomainRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaler" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "Container for request parameters to \code\ UpgradeElasticsearchDomain\endcode operation. \</p>\",
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : {
        "action" : "UpgradeElasticsearchDomain",
        "locationName" : null,
        "requestUri" : "/2015-01-01/es/upgradeDomain",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [{
        "beanStyleGetterMethodName" : "getDomainName",
        "beanStyleSetterMethodName" : "setDomainName",
        "c2jName" : "DomainName",
        "c2jShape" : "DomainName",
        "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create
one manually via \{@link String#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #domainName(String)\}.\n@param \n\@param domainName a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see \#domainName(String)",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentSetterMethodName" : null
    }],
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : {
        "action" : "UpgradeElasticsearchDomain",
        "locationName" : null,
        "requestUri" : "/2015-01-01/es/upgradeDomain",
        "target" : null,
        "verb" : "POST",
        "xmlNameSpaceUri" : null
    },
    "members" : [{
        "beanStyleGetterMethodName" : "getDomainName",
        "beanStyleSetterMethodName" : "setDomainName",
        "c2jName" : "DomainName",
        "c2jShape" : "DomainName",
        "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create
one manually via \{@link String#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #domainName(String)\}.\n@param \n\@param domainName a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see \#domainName(String)",
        "deprecated" : false,
        "documentation" : "",
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentSetterMethodName" : null
    }],
    "enums" : null,
    "errorCode" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
@domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.
@domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #targetVersion(String)}. Returns a reference to this object so that method calls can be chained together.

@see #targetVersion(String)",
"deprecated" : false,
"documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterMethodName" : "targetVersion",
"fluentGetDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getPerformCheckOnly",
  "beanStyleSetterMethodName" : "setPerformCheckOnly",
  "c2jName" : "PerformCheckOnly",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
  <p>This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link
  Boolean.Builder#builder}().
  <p>When the { @link Consumer} completes, { @link Boolean.Builder#build}()) is called immediately and its result is passed to { @link #performCheckOnly(Boolean)}.
  @param performCheckOnly a
consumer that will call methods on {@link Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #performCheckOnly(Boolean)",
       "deprecated" : false,
       "documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
       "enumType" : null,
       "eventHeader" : false,
       "eventPayload" : false,
       "fluentEnumGetterMethodName" : null,
       "fluentEnumSetterMethodName" : null,
       "fluentGetterMethodName" : "performCheckOnly",
       "fluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
       @param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
       @return Returns a reference to this object so that method calls can be chained together."",
       "fluentSetterMethodName" : "performCheckOnly",
       "getterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
       @return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
       @return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."
    }
    "http" : {
       "additionalMarshallingPath" : null,
       "additionalUnmarshallingPath" : null,
       "flattened" : false,
       "greedy" : false,
       "header" : false,
       "isPayload" : false,
       "isStreaming" : false,
       "location" : null,
       "marshallLocation" : "PAYLOAD",
       "marshallLocationName" : "PerformCheckOnly",
       "queryString" : false,
       "statusCode" : false,
       "unmarshallLocationName" : "PerformCheckOnly",
       "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "BOOLEAN",
    "name" : "PerformCheckOnly"
"setterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>\n@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. ",

"setterMethodName" : "setPerformCheckOnly",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"simple" : true,
"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "deprecated" : false,
    "documentation" : "',
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, \n@link String.Builder#build()} is called immediately and its result is passed to \n@link String.Builder#build() a consumer that will call methods on \n@link String.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "',
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThis new value for the DomainName property for this object.\n@return Returns a reference to this
object so that method calls can be chained together.

"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.

"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PerformCheckOnly" : {
"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. <</p>\n
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #performCheckOnly(Boolean)} a consumer that will call methods on {@link Boolean.Builder}.

@returns Returns a reference to this object so that method calls can be chained together.\n
@see #performCheckOnly(Boolean)
@deprecated : false,
"documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

This will not actually perform the Upgrade. </p>

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.\n
\n\n@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "performCheckOnly",
"getterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."
,"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "PerformCheckOnly",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PerformCheckOnly",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "PerformCheckOnly",
"setterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"setterMethodName": "setPerformCheckOnly",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "performCheckOnly",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "performCheckOnly",
"variableType": "Boolean",
"documentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"TargetVersion": {
"beanStyleGetterMethodName": "getTargetVersion",
"beanStyleSetterMethodName": "setTargetVersion",
"c2jName": "TargetVersion"
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}.  
@see #targetVersion(String)

@deprecated" : false,
"documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
The version of Elasticsearch that you intend to upgrade the domain to.
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
The version of Elasticsearch that you intend to upgrade the domain to.

@return Returns a reference to this object so that method calls can be chained together.
@see #targetVersion(String)",
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
The version of Elasticsearch that you intend to upgrade the domain to.

@return The version of Elasticsearch that you intend to upgrade the domain to.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TargetVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TargetVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.

@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.

setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.

When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #domainName(String) }.

@see #domainName(String)

return Returns a reference to this object so that method calls can be chained together.

@deprecated
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@returns The value of the DomainName property for this object.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName"
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
{
"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}.

@see #targetVersion(String),
@deprecated"
,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}.

@see #targetVersion(String),
@return Returns a reference to this object so that method calls can be chained together.
@see #targetVersion(String),
"getTargetVersion()",
"getStringValue()",
"isValueSet()",
"toString()",
"toString()"
]
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName": "TargetVersion",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "TargetVersion",
"setterDocumentation": "The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName": "setTargetVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "targetVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "targetVersion",
  "variableType": "String",
  "documentation": "The version of Elasticsearch that you intend to upgrade the domain to.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getPerformCheckOnly",
"beanStyleSetterMethodName": "setPerformCheckOnly",
"c2jName": "PerformCheckOnly",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. This is a convenience that creates an instance of the [Boolean.Builder] avoiding the need to create one manually via [Boolean#builder()]. It is called immediately and its result is passed to [performCheckOnly(Boolean)]

@see #performCheckOnly(Boolean)
\n@return Returns a reference to this object so that method calls can be chained together.

deprecated": false,
  "documentation": "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be
This will not actually perform the Upgrade. 

"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 
@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName" : "performCheckOnly",
"getterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PerformCheckOnly",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PerformCheckOnly",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"setterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName", "TargetVersion" ],
"shapeName" : "UpgradeElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeElasticsearchDomainRequest",
  "variableName" : "upgradeElasticsearchDomainRequest",
  "variableType" : "UpgradeElasticsearchDomainRequest",
  "documentation" : null,
  "simpleType" : "UpgradeElasticsearchDomainRequest",
  "variableSetterType" : "UpgradeElasticsearchDomainRequest"
},
"wrapper" : false
},
"UpgradeElasticsearchDomainResponse" : {
  "c2jName" : "UpgradeElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthUnmarshaller" : 0
  },
  "deprecated" : false,
Container for response returned by <code>UpgradeElasticsearchDomain</code> operation. 

### Documentation

- **documentation**: 
  Container for response returned by <code>UpgradeElasticsearchDomain</code> operation.

- **enums**: `null`
- **errorCode**: `null`
- **event**: `false`
- **eventStream**: `false`
- **explicitEventPayloadMember**: `null`
- **hasHeaderMember**: `false`
- **hasPayloadMember**: `false`
- **hasStatusCodeMember**: `false`
- **hasStreamingMember**: `false`
- **httpStatusCode**: `null`
- **marshaller**: `null`
- **members**: `[ ]`
  - beanStyleGetterMethodName: "getDomainName"
  - beanStyleSetterMethodName: "setDomainName"
  - c2jName: "DomainName"
  - c2jShape: "DomainName"

### DefaultConsumerFluentSetterDocumentation

Sets the value of the DomainName property for this object. 

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [domainName(String)]. 

- **param**
  - domainName: a consumer that will call methods on [String.Builder]
  - return: Returns a reference to this object so that method calls can be chained together.

- **deprecated**: `false`
- **enumType**: `null`
- **eventHeader**: `false`
- **eventPayload**: `false`
- **fluentEnumGetterMethodName**: `null`
- **fluentEnumSetterMethodName**: `null`
- **fluentGetterMethodName**: "domainName"
- **fluentSetterDocumentation**: "Sets the value of the DomainName property for this object."

- **param**
  - domainName: The new value for the DomainName property for this object.
  - return: Returns a reference to this object so that method calls can be chained together.

- **fluentSetterMethodName**: "domainName"
- **getterDocumentation**: "Returns the value of the DomainName property for this object."

- **getterModel**: { 
  returnType: "String"
}

- **http**: { 
  "additionalMarshallingPath": `null`
  "additionalUnmarshallingPath": `null`
  "flattened": `false`
  "greedy": `false`
  "header": `false`
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName
The new value for the DomainName property for this object."

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getTargetVersion",
  "beanStyleSetterMethodName" : "setTargetVersion",
  "c2jName" : "TargetVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade
the domain to.</p><p>This is a convenience that creates an instance of the [Link String.Builder] avoiding the need
to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #targetVersion(String)].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #targetVersion(String)].

@return Returns a reference to this object so that method calls can be chained together.
@see #targetVersion(String),

"deprecated" : false,
"documentation" : "\p> The version of Elasticsearch that you intend to upgrade the domain to.\p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "\p> The version of Elasticsearch that you intend to upgrade the domain to.\p>

@returns The version of Elasticsearch that you intend to upgrade the domain to.

@returns The version of Elasticsearch that you intend to upgrade the domain to.

@returns The version of Elasticsearch that you intend to upgrade the domain to.

@returns The version of Elasticsearch that you intend to upgrade the domain to.

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@returns The version of Elasticsearch that you intend to upgrade the domain to.

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@returns The version of Elasticsearch that you intend to upgrade the domain to.
param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.

setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.

setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"classStyleGetterMethodName" : "getPerformCheckOnly",
"classStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. This is a convenience that creates an instance of the {\@link Boolean.Builder} avoiding the need to create one manually via {\@link Boolean#builder()}. When the {\@link Consumer} completes, {\@link Boolean.Builder#build()} is called immediately and its result is passed to {\@link performCheckOnly(Boolean)} a consumer that will call methods on {\@link Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #performCheckOnly(Boolean)",
  "deprecated" : false,
  "documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

getterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to
be performed. This will not actually perform the Upgrade. 

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PerformCheckOnly",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PerformCheckOnly",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"setterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"}
"variableName" : "performCheckOnly",
"variableType" : "Boolean",
"documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
]
],
"membersAsMap" : {
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #domainName(String) \}.\n@param domainName a consumer that will call methods on \{ @link String.Builder \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThe new value for the DomainName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.\n@return The value of the DomainName property for this object.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"setterDocumentation": "Sets the value of the DomainName property for this object.\n\n@\nparam\ndomainName The new value for the DomainName property for this object.\n",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"PerformCheckOnly": {
  "beanStyleGetterMethodName": "getPerformCheckOnly",
  "beanStyleSetterMethodName": "setPerformCheckOnly",
  "c2jName": "PerformCheckOnly",
  "c2jShape": "Boolean",
  "defaultValueConsumerFluentSetterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>\nThis is a convenience that creates an instance of the [ @link Boolean.Builder] avoiding the need to create one manually via [ @link Boolean.Builder#build()].\nWhen the [ @link Consumer] completes, [ @link Boolean.Builder#build()] is called
immediately and its result is passed to \{ @link #performCheckOnly(Boolean) \}. \n@param performCheckOnly a consumer that will call methods on \{ @link Boolean.Builder \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #performCheckOnly(Boolean)\n
"deprecated" : false,
"documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>\n@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "performCheckOnly",
"getterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>\n@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PerformCheckOnly",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PerformCheckOnly",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name": "PerformCheckOnly",
"setterDocumentation": "\nThis flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \n\n\n\n@\n\nperformCheckOnly\nThis flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.\n",
"setterMethodName": "setPerformCheckOnly",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "performCheckOnly",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "performCheckOnly",
"variableType": "Boolean",
"documentation": "\nThis flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \n",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"TargetVersion": {
"beanStyleGetterMethodName": "getTargetVersion",
"beanStyleSetterMethodName": "setTargetVersion",
"c2jName": "TargetVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "\nThe version of Elasticsearch that you intend to upgrade the domain to. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}.\n\n@param targetVersion a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n\n@see #targetVersion(String)",
"deprecated": false,
"documentation": "\nThe version of Elasticsearch that you intend to upgrade the domain to.\n",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetMethodName": "targetVersion",
"fluentSetterDocumentation": "\nThe version of Elasticsearch that you intend to upgrade the domain to.\n",
"timestampFormat": null,
Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>\n@return The version of Elasticsearch that you intend to upgrade the domain to."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "TargetVersion",
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>\n@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to."
"setterMethodName" : "setTargetVersion",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "targetVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "targetVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"variableName" : "targetVersion",
"variableType" : "String",
"documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}. @param domainName a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

@return The new value for the DomainName property for this object.
@see #domainName(String)"
},
    "getterDocumentation" : "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object."
},
    "getterModel" : { 
    "returnType" : "String",
    "documentation" : null
    },
    "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD"}
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
:idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName
The new value for the DomainName property for this object.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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"variable" : {
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  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()](null) is called immediately and its result is passed to [@link #targetVersion(String)].

@param targetVersion a consumer that will call methods on [@link String.Builder] that return

Returns a reference to this object so that method calls can be chained together.

@see #targetVersion(String)"
}
"deprecated" : false,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@return The version of Elasticsearch that you intend to upgrade the domain to.",
"getterModel" : { 
"returnType" : "String",
"documentation" : null 
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false 
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setTargetVersion",
"setterModel" : { 
"variableDeclarationType" : "String"}
"variableName": "targetVersion",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "targetVersion",
"variableType": "String",
"documentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
"beanStyleGetterMethodName": "getPerformCheckOnly",
"beanStyleSetterMethodName": "setPerformCheckOnly",
"c2jName": "PerformCheckOnly",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>\nThis is a convenience that creates an instance of the `{@link Boolean.Builder}` avoiding the need to create one manually via `{@link Boolean#builder()}`.\nWhen the `{@link Consumer}` completes, `{@link Boolean.Builder#build()}` is called immediately and its result is passed to `{@link #performCheckOnly(Boolean)}` a consumer that will call methods on `{@link Boolean.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #performCheckOnly(Boolean)",
"deprecated": false,
"documentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "performCheckOnly",
"fluentSetterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.\n@return Returns a reference to this object so that method calls can be chained together.
@see #performCheckOnly(Boolean)",
"getterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.\n@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@see #performCheckOnly(Boolean)"
,"getterModel": {
"returnType": "Boolean",
"getterModel": {},
This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 

```xml
<param name="performCheckOnly" type="Boolean"
  documentation="This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."/>
```

```xml
setMethod" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
```
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
] },
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "UpgradeElasticsearchDomainResponse",
"variableName" : "upgradeElasticsearchDomainResponse",
"variableType" : "UpgradeElasticsearchDomainResponse",
"documentation" : null,
"simpleType" : "UpgradeElasticsearchDomainResponse",
"variableSetterType" : "UpgradeElasticsearchDomainResponse"
},
"wrapper" : false
},
"UpgradeHistory" : {
"c2jName" : "UpgradeHistory",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>History of the last 10 Upgrades and Upgrade Eligibility Checks.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getUpgradeName",
"c2jName" : "UpgradeHistory",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>History of the last 10 Upgrades and Upgrade Eligibility Checks.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{ @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link upgradeName(String)}.
\n@param upgradeName a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #upgradeName(String)",
"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "upgradeName",
"getterDocumentation" : "<p>A string that describes the update briefly</p>\n@return A string that describes the update briefly",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeName",
"setterDocumentation": "<p>A string that describes the update briefly\n@param upgradeName A string that describes the update briefly</p>",
"setterMethodName": "setUpgradeName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": "<p>A string that describes the update briefly</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getStartTimestamp",
"beanStyleSetterMethodName": "setStartTimestamp",
"c2jName": "StartTimestamp",
"c2jShape": "StartTimestamp",
"defaultConsumerFluentSetterDocumentation": "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\nThis is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #startTimestamp(Instant)} a consumer that will call methods on {@link Instant.Builder#n@return Returns a reference to this object so that method calls can be chained together.}@see #startTimestamp(Instant)",
"deprecated": false,
"documentation": "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "startTimestamp",
"fluentSetterDocumentation": "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-
null

```javascript
@ng

"fluentSetterMethodName" : "startTimestamp",
"getterDocumentation" : 
"UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.

@return Returns a reference to this object so that method calls can be chained together.
",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
}
,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTimestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTimestamp",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTimestamp",
"setterDocumentation" : 
"UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.

@return UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.
",
"setterMethodName" : "setStartTimestamp",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "startTimestamp",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
}
,
```

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"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": "UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format."",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getUpgradeStatusAsString",
"beanStyleSetterMethodName": "setUpgradeStatus",
"c2jName": "UpgradeStatus",
"c2jShape": "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation": "The overall status of the update. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul> This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link upgradeStatusAsString(String)}.\n\n@see #upgradeStatus(String)"
, "deprecated": false,
"documentation": "The overall status of the update. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n\nIf the service returns an enum value that is not available in the current SDK version, { @link UpgradeStatus} will return { @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link upgradeStatusAsString()}.\n\n@see UpgradeStatus\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #upgradeStatus(String)",
"enumType": "UpgradeStatus",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "upgradeStatus",
"fluentEnumSetterMethodName": "upgradeStatus",
"fluentGetterMethodName": "upgradeStatusAsString",
"fluentSetterMethodName": "upgradeStatus",
"fluentSetterDocumentation": "The overall status of the update. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
\nIf the service returns an enum value that is not available in the current SDK version, { @link UpgradeStatus} will return { @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link upgradeStatusAsString()}. The overall status of the update. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n\n@see UpgradeStatus\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #upgradeStatus(String)",
"getterDocumentation": "The overall status of the update. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n\nIf the service returns an enum value that is not available in the current SDK version, { @link UpgradeStatus} will return { @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link upgradeStatusAsString()}.\n\n@see UpgradeStatus\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #upgradeStatus(String)"
getterModel: {
    "returnType": "String",
    "documentation": null
},
http: {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "UpgradeStatus",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "UpgradeStatus",
    "uri": false
},
idempotencyToken: false,
isBinary: false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeStatus",
"setterDocumentation": '<p>The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus</p>',
"setterMethodName": "setUpgradeStatus",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "upgradeStatus",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
simple: true,
timestampFormat: null,
variable: {
    "variableDeclarationType": "String",
    "variableName": "upgradeStatus",
    "variableType": "String",
    "variableSetterType": "String"
}
The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

A list of UpgradeStepItem representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

This is a convenience that creates an instance of the UpgradeStepsList, avoiding the need to create one manually via List<UpgradeStepItem>#builder() when the Consumer completes.

When the Consumer completes, List<UpgradeStepItem>.Builder#build() is called immediately and its result is passed to List<UpgradeStepItem>.

A list of UpgradeStepItem representing each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

A list of UpgradeStepItem representing each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

A list of UpgradeStepItem representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StepsList",
"queryString" : false,
"statuscode" : false,
"unmarshallLocationName" : "StepsList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeStepItem",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the [@link UpgradeStepItem.Builder] avoiding the need to create one manually via [@link UpgradeStepItem#builder()].\n\nWhen the [@link Consumer] completes, [@link UpgradeStepItem.Builder#build()] is called immediately and its result is passed to [@link #member(UpgradeStepItem)].\n\n@param member a consumer that will call methods on [@link UpgradeStepItem.Builder]\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #member(UpgradeStepItem)"
  },
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together."
  },
  "getterDocumentation" : "Returns the value of the Member property for this object.\n@returns The value of the Member property for this object."
  },
  "getterModel" : {
    "returnType" : "UpgradeStepItem",
    "documentation" : null
  }
}
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "member",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "member",
   "uri": false
 },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
, "setterMethodName": "setMember",
"setterModel": {
   "variableDeclarationType": "UpgradeStepItem",
   "variableName": "member",
   "variableType": "UpgradeStepItem",
   "documentation": null,
   "simpleType": "UpgradeStepItem",
   "variableSetterType": "UpgradeStepItem"
 },
"simple": false,
"timestampFormat": null,
"variable": {
   "variableDeclarationType": "UpgradeStepItem",
   "variableName": "member",
   "variableType": "UpgradeStepItem",
   "documentation": "",
   "simpleType": "UpgradeStepItem",
   "variableSetterType": "UpgradeStepItem"
 },
"xmlNameSpaceUri": null
}
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"setterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.",
"setterMethodName" : "setStepsList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : null,
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>",
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
"StartTimestamp" : {
  "beanStyleGetterMethodName" : "getStartTimestamp",
  "beanStyleSetterMethodName" : "setStartTimestamp",
  "c2jName" : "StartTimestamp",
  "c2jShape" : "StartTimestamp",
  "defaultConsumerFluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format. </p>\nThis is a convenience that creates an instance of the { @link
Instant.Builder} avoiding the need to create one manually via {@link Instant#builder()}. When the \{@link Consumer\} completes, \{@link Instant.Builder#build\} is called immediately and its result is passed to \{@link #startTimestamp\(\text{Instant}\)\}. \n@param startTimestamp a consumer that will call methods on \{@link Instant.Builder\} \n@return Returns a reference to this object so that method calls can be chained together.\n@see #startTimestamp\(\text{Instant}\)",

"deprecated" : false,
"documentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTimestamp",
"fluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>",
"fluentSetterMethodName" : "startTimestamp",
"getterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTimestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTimestamp",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "StartTimestamp",
"setterDocumentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\n@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n",
"setterMethodName": "setStartTimestamp",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
"StepsList": {
  "beanStyleGetterMethodName": "getStepsList",
  "beanStyleSetterMethodName": "setStepsList",
  "c2jName": "StepsList",
  "c2jShape": "UpgradeStepsList",
  "defaultConsumerFluentSetterDocumentation": "A list of \(<a>UpgradeStepItem</a>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

This is a convenience that creates an instance of the \{@link List<UpgradeStepItem>.Builder\} avoiding the need to create one manually via \{@link List<UpgradeStepItem>#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link List<UpgradeStepItem>.Builder#build()\} is called immediately and its result is passed to \{@link UpgradeStepItem#Builder\}.\n\n@see \link List<UpgradeStepItem>\)
",
  "deprecated": false,
  "documentation": "A list of \(<a>UpgradeStepItem</a>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. \</p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "stepsList",
"getterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
<p> Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. </p>
@return A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. 
",
"getterModel" : {
   "returnType" : "java.util.List<UpgradeStepItem>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "StepsList",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "StepsList",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
   "implType" : "java.util.ArrayList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "UpgradeStepItem",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. \n This is a convenience that creates an instance of the \n{@link UpgradeStepItem.Builder} avoiding the need to create one manually via \n{@link UpgradeStepItem#builder()}. \nWhen the \n{@link Consumer} completes,
   }
},
"http" : {
   "additionalMarshallingPath" : null,
{@link UpgradeStepItem.Builder#build() is called immediately and its result is passed to {@link #member(UpgradeStepItem)}.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(UpgradeStepItem)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #member(UpgradeStepItem)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object.",
    "getterModel" : {
        "returnType" : "UpgradeStepItem",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "SDK_POJO",
    "name" : "Member",
    "setterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(UpgradeStepItem)"
new value for the Member property for this object.

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "member",
  "variableType" : "UpgradeStepItem",
  "documentation" : null,
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "member",
  "variableType" : "UpgradeStepItem",
  "documentation" : "",
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"setterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>

@<param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.";
"setterMethodName" : "setStepsList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : null,
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : "A list of UpgradeStepItem representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."
},
"xmlNameSpaceUri" : null
},
"UpgradeName" : {
  "beanStyleGetterMethodName" : "getUpgradeName",
  "beanStyleSetterMethodName" : "setUpgradeName",
  "c2jName" : "UpgradeName",
  "c2jShape" : "UpgradeName",
  "defaultConsumerFluentSetterDocumentation" : "A string that describes the update briefly
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().
When the @link Consumer completes, String.Builder#build() is called immediately and its result is passed to @link #upgradeName(String).
@param upgradeName a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #upgradeName(String)",
  "deprecated" : false,
  "documentation" : "A string that describes the update briefly",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "upgradeName",
  "fluentSetterDocumentation" : "A string that describes the update briefly
@link #upgradeName(String)
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "upgradeName",
  "getterDocumentation" : "A string that describes the update briefly
@return A string that describes the update briefly",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"setterDocumentation" : "<p>A string that describes the update briefly</p>\n@\param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpgradeStatus" : {
  "beanStyleGetterMethodName" : "getUpgradeStatusAsString",
  "beanStyleSetterMethodName" : "setUpgradeStatus",
  "c2jName" : "UpgradeStatus",
  "c2jShape" : "UpgradeStatus",
}
"defaultConsumerFluentSetterDocumentation" : "<p>The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link #upgradeStatusAsString(String)} is called immediately and its result is passed to {@link #upgradeStatusAsStatus(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeStatusAsString(String)}.

@see UpgradeStatus(String)".

"deprecated" : false,

documentation" : "<p>The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>

"enumType" : "UpgradeStatus",

"fluentEnumGetterMethodName" : "upgradeStatus",

"fluentEnumSetterMethodName" : "upgradeStatus",

"fluentGetterMethodName" : "upgradeStatusAsString",

"fluentSetterDocumentation" : "<p>The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>

@see UpgradeStatus

@return Returns a reference to this object so that method calls can be chained together.

@see UpgradeStatus",

"fluentSetterMethodName" : "upgradeStatus",

"getterDocumentation" : "<p>The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>

If the service returns an enum value that is not available in the current SDK version, {@link #upgradeStatus} will return {@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #upgradeStatusAsString}.

@see UpgradeStatus

@return Returns a reference to this object so that method calls can be chained together.

@see UpgradeStatus",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UpgradeStatus",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "UpgradeStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStatus",
"setterDocumentation" : "&lt;p&gt; The overall status of the update. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt; &lt;p&gt;@param upgradeStatus The overall status of the update. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt; &lt;p&gt;@see UpgradeStatus",
"setterMethodName" : "setUpgradeStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStatus",
  "variableType" : "String",
  "documentation" : 
  "&lt;p&gt; The overall status of the update. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt; &lt;p&gt;
  
  "setUpgradeStatus",
  "setterMethodName" : "setUpgradeStatus",
  "setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getUpgradeName",
  "beanStyleSetterMethodName" : "setUpgradeName",
  "c2jName" : "UpgradeName",
  "c2jShape" : "UpgradeName",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;A string that describes the update briefly&lt;/p&gt;
  This is a convention that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via {
  "@link String#builder()}. When the [ @link Consumer] completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeName(String)}.&lt;p&gt;@param upgradeName a consumer that
will call methods on {} will call methods on {}
\@return Returns a reference to this object so that method calls can be chained together.
\@see #upgradeName(String)

"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly
\@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "upgradeName",
"getterDocumentation" : "<p>A string that describes the update briefly</p>
@return A string that describes the update briefly",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"setterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly
\@return A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : null

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "upgradeName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "upgradeName",
    "variableType" : "String",
    "documentation" : "A string that describes the update briefly",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStartTimestamp",
"beanStyleSetterMethodName" : "setStartTimestamp",
"c2jName" : "StartTimestamp",
"c2jShape" : "StartTimestamp",
"defaultConsumerFluentSetterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format. This is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant.Builder#builder()}. When the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #startTimestamp(Instant)}.
@param startTimestamp a consumer that will call methods on { @link Instant.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #startTimestamp(Instant)",
"deprecated" : false,
"documentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTimestamp",
"fluentSetterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.
@link #startTimestamp(Instant)
@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.
@return Returns a reference to this object so that method calls can be chained together.
@see #startTimestamp(Instant)";
"getterModel": {
  "returnType": "java.time.Instant",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "StartTimestamp",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "StartTimestamp",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "StartTimestamp",
"setterDocumentation": "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>@param startTimestamp UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddThh:mm:ssZ" format.",
"setterMethodName": "setStartTimestamp",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>"
The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, UpgradeStatusAsString is called immediately and its result is passed to UpgradeStatusAsString(String). @param upgradeStatus a consumer that will call methods on String.Builder

@see UpgradeStatus(String)

The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. In Progress, Succeeded, Succeeded with Issues, Failed. If the service returns an enum value that is not available in the current SDK version, UpgradeStatus#UNKNOWN_TO_SDK_VERSION will return. The raw value returned by the service is available from UpgradeStatusAsString. @return The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. In Progress, Succeeded, Succeeded with Issues, Failed. In Progress, Succeeded, Succeeded with Issues, Failed. The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. In Progress, Succeeded, Succeeded with Issues, Failed. In Progress, Succeeded, Succeeded with Issues, Failed.
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStatus",
"uri" : false,
},
{idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStatus",
"setterDocumentation" : "<p> The overall status of the update. The status can take one of the following values:
<ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
@see UpgradeStatus",
"setterMethodName" : "setUpgradeStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeStatus",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeStatus",
"variableType" : "String",
"documentation" : "The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
@see UpgradeStatus",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getStepsList",
"beanStyleSetterMethodName" : "setStepsList",
"c2jName" : "StepsList",
"c2jShape" : "UpgradeStepsList",
"defaultConsumerFluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>

This is a convenience that creates an instance of the {@link List<UpgradeStepItem>.Builder} avoiding the need to create one manually via {@link List<UpgradeStepItem>#builder()}. When the {@link Consumer} completes, {@link List<UpgradeStepItem>.Builder#build()} is called immediately and its result is passed to {#stepsList(List<UpgradeStepItem>)}. @param stepsList a consumer that will call methods on {@link List<UpgradeStepItem>.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #stepsList(List<UpgradeStepItem>)",
"deprecated" : false,
"documentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>

A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. @param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. @return Returns a reference to this object so that method calls can be chained together."
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>

@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. @return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "stepsList",
"getterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. @return A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."
"getterModel" : {
"returnType" : "java.util.List<UpgradeStepItem>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StepsList",
"queryString" : false,
"statusCode": false,
"unmarshallLocationName": "StepsList",
"uri": false
},
"idempotencyToken": false,
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"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "UpgradeStepItem",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [UpgradeStepItem.Builder] avoiding the need to create one manually via [UpgradeStepItem.Builder#build()]. When the [Consumer] completes, [UpgradeStepItem.Builder#build()] is called immediately and its result is passed to [member(UpgradeStepItem)].

@see #member(UpgradeStepItem)"
  },
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentPayload": false,
  "fluentSetterDocumentation": "Sets the value of the Member property for this object. The new value for the Member property for this object.

@returns a reference to this object so that method calls can be chained together.

@see #member(UpgradeStepItem)"
  },
  "getDocumentation": "Returns the value of the Member property for this object."
},
"getterModel": {
  "returnType": "UpgradeStepItem",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "member",
  "variableType" : "UpgradeStepItem",
  "documentation" : null,
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "member",
  "variableType" : "UpgradeStepItem",
  "documentation" : "",
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>

},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"setterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. ",
"setterMethodName" : "setStepsList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : null,
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>",
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri" : null
} ]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeHistory",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "upgradeHistory",
  "variableType" : "UpgradeHistory",
  "documentation" : null,
  "simpleType" : "UpgradeHistory",
  "xmlNameSpaceUri" : null
} ]

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"variableSetterType": "UpgradeHistory",
"wrapper": false
",
"UpgradeStatus": {
"c2jName": "UpgradeStatus",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "",
"enums": [
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"name": "IN_PROGRESS",
"value": "IN_PROGRESS"
},
{
"name": "SUCCEEDED",
"value": "SUCCEEDED"
},
{
"name": "SUCCEEDED_WITH_ISSUES",
"value": "SUCCEEDED_WITH_ISSUES"
},
{
"name": "FAILED",
"value": "FAILED"
}
],
"errorCode": null,
"event": false,
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"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [],
"membersAsMap": {},
"nonStreamingMembers": [],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "UpgradeStatus",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null,
"variable": {
  "variableDeclarationType": "UpgradeStatus",
  "variableName": "upgradeStatus",
  "variableType": "UpgradeStatus",
  "documentation": null,
  "simpleType": "UpgradeStatus",
  "variableSetterType": "UpgradeStatus"
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"wrapper": false,
"UpgradeStep": {
  "c2jName": "UpgradeStep",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "",
  "enums": [
    { "name": "PRE_UPGRADE_CHECK", "value": "PRE_UPGRADE_CHECK" },
    { "name": "SNAPSHOT", "value": "SNAPSHOT" },
    { "name": "UPGRADE", "value": "UPGRADE" }
  ],
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [],
  "membersAsMap": {},
  "nonStreamingMembers": [],
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
"required" : null,
"shapeName" : "UpgradeStep",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStep",
  "variableName" : "upgradeStep",
  "variableType" : "UpgradeStep",
  "documentation" : null,
  "simpleType" : "UpgradeStep",
  "variableSetterType" : "UpgradeStep"
},
"wrapper" : false
},
"UpgradeStepItem" : {
  "c2jName" : "UpgradeStepItem",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Represents a single step of the Upgrade or Upgrade Eligibility Check workflow. </p>",
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshallable" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getUpgradeStepAsString",
    "beanStyleSetterMethodName" : "setUpgradeStep",
    "c2jName" : "UpgradeStep",
    "c2jShape" : "UpgradeStep",
    "defaultConsumerFluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder}.
When the { @link Consumer} completes, { @link String.Builder#build()}"}
is called immediately and its result is passed to {link #upgradeStepAsString(String)}.\n@param upgradeStep a consumer that will call methods on {link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeStep(String)”，
"deprecated" : false,
"documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
@see UpgradeStep\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStep",
"fluentSetterMethodName" : "upgradeStep",
"getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
<p>
If the service returns an enum value that is not available in the current SDK version, {link #upgradeStep} will return {link UpgradeStep#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {link #upgradeStepAsString}.\n</p>
@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>\n@see UpgradeStep",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeStep",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeStep",
"setterDocumentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>SnapShot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",
"setterMethodName": "setUpgradeStep",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>SnapShot</li>
<li>Upgrade</li>
</ul>
"enumType": "UpgradeStatus",
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getUpgradeStepStatusAsString",
"beanStyleSetterMethodName": "setUpgradeStepStatus",
"c2jName": "UpgradeStepStatus",
"c2jShape": "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation": "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #upgradeStepStatusAsString(String)}.\n@see #upgradeStepStatus(String)",
"deprecated": false,
"documentation": "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>\n@see #upgradeStepStatus(String)"}
The status of a particular step during an upgrade. The status can take one of the following values:

- In Progress
- Succeeded
- Succeeded with Issues
- Failed

If the service returns an enum value that is not available in the current SDK version, `#upgradeStepStatus` will return [UpgradeStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [UpgradeStepStatusAsString].

The status can take one of the following values:

- In Progress
- Succeeded
- Succeeded with Issues
- Failed

The status of a particular step during an upgrade. The status can take one of the following values:

- In Progress
- Succeeded
- Succeeded with Issues
- Failed
"setterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>

@see UpgradeStatus",
"setterMethodName" : "setUpgradeStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>"
},
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getIssues",
"beanStyleSetterMethodName" : "setIssues",
"c2jName" : "Issues",
"c2jShape" : "Issues",
"defaultConsumerFluentSetterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.\nThis is a convenience that creates an instance of the [@link List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#builder())\nWhen the [@link Consumer](https://docs.oracle.com/javase/8/docs/api/java/util/function/Consumer.html) completes, [@link List<String>.Builder#build](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#builder()) is called immediately and its result is passed to [@link #issues](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#issues(java.util.List))\n@see #issues(List<String>)",
"deprecated" : false,
"documentation" : "A list of strings containing detailed information about the errors encountered in a particular step.\n"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "issues"
"fluentSetterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.\n@param issues A list of strings containing detailed information about the errors encountered in a particular step.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "issues",
"getterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return A list of strings containing detailed information about the errors encountered in a particular step.",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayLoad" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Issues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Issues",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}\n@param member a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
  "deprecated" : false,
"documentation" : "", "enumType" : null, "eventHeader" : false, "eventPayload" : false, "fluentEnumGetterMethodName" : null, "fluentEnumSetterMethodName" : null, "fluentGetterMethodName" : "member", "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.", "fluentSetterMethodName" : "member", "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object."
getterModel" : {
  "returnType" : "String",
  "documentation" : null
}, "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
}, "idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns The new value for the Member property for this object."
setterMethod" : 
setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "member",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}
,"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"setterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>
\n\n@\n\n\n@param issues A list of strings containing detailed information about the errors encountered in a particular step.",
"setterMethodName" : "setIssues",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "issues",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "issues",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
"variableType" : "java.util.List<String>",
"documentation" : "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getProgressPercent",
"beanStyleSetterMethodName" : "setProgressPercent",
"c2jName" : "ProgressPercent",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The Floating point value representing progress percentage
of a particular step.</p>
This is a convenience that creates an instance of the {@link Double.Builder} avoiding the
need to create one manually via {@link Double#builder()}. When the {@link Consumer}
completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link
#progressPercent(Double)}.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@see #progressPercent(Double)
@override
@return Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"getterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@see #progressPercent(Double)
@override
@return Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ProgressPercent",
The Floating point value representing progress percentage of a particular step.

```java
@var progressPercent The Floating point value representing progress percentage of a particular step.
```

```java
@method setProgressPercent
```

```
//
// The Floating point value representing progress percentage of a particular step.
```

```java
@java.lang.Double
```

```
A list of strings containing detailed information about the errors encountered in a particular step.

This is a convenience that creates an instance of the `List<String>` Builder avoiding the need to create one manually via `List<String>#builder()`.

When the `Consumer` completes, `List<String>.Builder#build()` is called immediately and its result is passed to `issues(List<String>)`.

@var issues a consumer that will call methods on `List<String>`.
```

```java
@Consumer
```
List<String>.Builder}
@returns a reference to this object so that method calls can be chained together.
@see #issues(List<String>)"
    "deprecated" : false,
    "documentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.\</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "issues",
    "fluentSetterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.\</p>\n@param issues A list of strings containing detailed information about the errors encountered in a particular step.\n@returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "issues",
    "getterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.\</p>\n@param issues A list of strings containing detailed information about the errors encountered in a particular step.\n@returns A list of strings containing detailed information about the errors encountered in a particular step.\",
    "getterModel" : {
        "returnType" : "java.util.List<String>",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Issues",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Issues",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : true,
    "listModel" : {
        "implType" : "java.util.ArrayList",
        "interfaceType" : "java.util.List",
        "listMemberModel" : {


"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "Issue",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].

@see #member(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.

@method #member(String)",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"setterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

@param issues A list of strings containing detailed information about the errors encountered in a particular step.",
"setterMethodName" : "setIssues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "LIST",
  "name" : "Issues",
  "setterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

@param issues A list of strings containing detailed information about the errors encountered in a particular step.",
  "setterMethodName" : "setIssues",
  "setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "LIST",
    "name" : "Issues",
    "setterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

@param issues A list of strings containing detailed information about the errors encountered in a particular step.",
    "setterMethodName" : "setIssues",
    "setterModel" : {
      "variableDeclarationType" : "java.util.List<String>",
      "map" : false,
"variableName" : "issues",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "issues",
"variableType" : "java.util.List<String>",
"documentation" : "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"ProgressPercent" : {
"beanStyleGetterMethodName" : "getProgressPercent",
"beanStyleSetterMethodName" : "setProgressPercent",
"c2jName" : "ProgressPercent",
"c2jShape" : "Double",
"defaultValueFluentSetterDocumentation" : "<p>The Floating point value representing progress
percentage of a particular step.</p>
This is a convenience that creates an instance of the {@link Double.Builder}
avoiding the need to create one manually via {@link Double#builder()}. When the
completes, {@link Double.Builder#build()} is called immediately and its result is passed to
@link #progressPercent(Double)}.
@param progressPercent a consumer that will call methods on {@link Double.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular
step.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ProgressPercent",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ProgressPercent",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "ProgressPercent",
"setterDocumentation" : "The Floating point value representing progress percentage of a particular step.
@param progressPercent The Floating point value representing progress percentage of a particular step.",
"setterMethodName" : "setProgressPercent",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "progressPercent",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "progressPercent",
  "variableType" : "Double",
  "documentation" : "The Floating point value representing progress percentage of a particular step.
",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
"UpgradeStep": {
  "beanStyleGetterMethodName": "getUpgradeStepAsString",
  "beanStyleSetterMethodName": "setUpgradeStep",
  "c2jName": "UpgradeStep",
  "c2jShape": "UpgradeStep",
  "defaultConsumerFluentSetterDocumentation": "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
When the Upgrade or Upgrade Eligibility Check completes, the result is passed to the Upgrade or Upgrade Eligibility Check method that will call methods on the object returned from this method.

When the Upgrade or Upgrade Eligibility Check completes, the result is passed to the Upgrade or Upgrade Eligibility Check method that will call methods on the object returned from this method.
</p>"
},
"deprecated": false,
"documentation": "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
</p>"
},
"enumType": "UpgradeStep",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "upgradeStep",
"fluentEnumSetterMethodName": "upgradeStep",
"fluentGetterMethodName": "upgradeStepAsString",
"fluentSetterDocumentation": "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep
</p>"
},
"getterDocumentation": "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
If the service returns an enum value that is not available in the current SDK version, [UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [UpgradeStepAsString].
</p>"
},
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD"
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep
Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>"
},
"xmlNameSpaceUri" : null
},
"UpgradeStepStatus" : {
  "beanStyleGetterMethodName" : "getUpgradeStepStatusAsString",
  "beanStyleSetterMethodName" : "setUpgradeStepStatus",
  "c2jName" : "UpgradeStepStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with

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This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `String.Builder#upgradeStepStatusAsString(String)`. Returns a reference to this object so that method calls can be chained together.

The status of a particular step during an upgrade. The status can take one of the following values:
- `In Progress`
- `Succeeded`
- `Succeeded with Issues`
- `Failed`

If the service returns an enum value that is not available in the current SDK version, `UpgradeStatus#UNKNOWN_TO_SDK_VERSION` will return. The raw value returned by the service is available from `UpgradeStatusAsString(String)`. Returns a reference to this object so that method calls can be chained together.
The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

@see UpgradeStatus

The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one
When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link #upgradeStepAsString(String)`.

```java
public String upgradeStepAsString(String upgradeStep) {
    return upgradeStep;
}
```

If the service returns an enum value that is not available in the current SDK version, `@link #upgradeStep` will return `@link UpgradeStep#UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `@link #upgradeStepAsString`.

```java
public UpgradeStep upgradeStep() {
    return upgradeStep;
}
```

If you want to manually interact with the `@link String.Builder`, you can use the `@link String#builder()` method.

```java
public String upgradeStepAsString(String upgradeStep) {
    return upgradeStep;
}
```
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> @param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> \n@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"
"beanStyleGetterMethodName" : "getUpgradeStepStatusAsString",
"beanStyleSetterMethodName" : "setUpgradeStepStatus",
"c2jName" : "UpgradeStepStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \nThe status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. \nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #upgradeStepStatusAsString(String) \}. \n@see UpgradeStepStatus a consumer that will call methods on \{ @link String.Builder \} \n\n@see UpgradeStepStatus(String)",
"deprecated" : false,
"documentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \n</p>"
"enumType": "UpgradeStatus",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "upgradeStepStatus",
"fluentEnumSetterMethodName": "upgradeStepStatus",
"fluentGetterMethodName": "upgradeStepStatusAsString",
"fluentSetterDocumentation": "The status of a particular step during an upgrade. The status can take one of the following values:
- In Progress
- Succeeded
- Succeeded with Issues
- Failed

@p The status of a particular step during an upgrade. The status can take one of the following values:
- In Progress
- Succeeded
- Succeeded with Issues
- Failed

@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus",

"fluentSetterMethodName": "upgradeStepStatus",

"getterDocumentation": "The status of a particular step during an upgrade. The status can take one of the following values:
- In Progress
- Succeeded
- Succeeded with Issues
- Failed

If the service returns an enum value that is not available in the current SDK version, \{@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION\} will return \{@link UpgradeStatusAsString\}. The raw value returned by the service is available from \{@link UpgradeStatusAsString\}.

@return The status of a particular step during an upgrade. The status can take one of the following values:
- In Progress
- Succeeded
- Succeeded with Issues
- Failed

@see UpgradeStatus",

"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "UpgradeStepStatus",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UpgradeStepStatus",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"setterDocumentation": "The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed."

```
@param upgradeStepStatus The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.
```

"setterMethodName": "setUpgradeStepStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStepStatus",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStepStatus",
  "variableType": "String",
  "documentation": "The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed."
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getIssues",
"beanStyleSetterMethodName": "setIssues",
"c2jName": "Issues",
"c2jShape": "Issues",
"defaultConsumerFluentSetterDocumentation": "A list of strings containing detailed information about the errors encountered in a particular step.

```
@see #issues(List<String>)
```

"deprecated": false,
"documentation": "A list of strings containing detailed information about the errors encountered in a particular step."

"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "issues",
"fluentSetterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

@param issues A list of strings containing detailed information about the errors encountered in a particular step.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "issues",
"getterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return A list of strings containing detailed information about the errors encountered in a particular step.",
"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Issues",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Issues",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "Issue",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)]

@param member a consumer that will call methods on [link String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)"
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@par\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@par\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@par\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"setterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>\n@param issues A list of strings containing detailed information about the errors encountered in
a particular step."",
"setterMethodName" : "setIssues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}
,"simple" : false,
"variableName" : "issues",
"variableType" : "java.util.List<String>",
"documentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getProgressPercent",
"beanStyleSetterMethodName" : "setProgressPercent",
"c2jName" : "ProgressPercent",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>

This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. When the { @link Consumer} completes, { @link Double.Builder#build()}) is called immediately and its result is passed to { @link #progressPercent(Double)}

@link Double.Builder\n@returns Returns a reference to this object so that method calls can be chained together.
@see #progressPercent(Double)
",
"deprecated" : false,
"documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>

@returns Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "progressPercent",
"getterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>

@returns The Floating point value representing progress percentage of a particular step.
",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
}
"marshallLocationName": "ProgressPercent",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ProgressPercent",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "ProgressPercent",
"setterDocumentation": "<p>The Floating point value representing progress percentage of a particular step.</p>
@param progressPercent The Floating point value representing progress percentage of a particular step.",
"setterMethodName": "setProgressPercent",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "progressPercent",
  "variableType": "Double",
  "documentation": null,
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "progressPercent",
  "variableType": "Double",
  "documentation": "<p>The Floating point value representing progress percentage of a particular step.</p>",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"xmlNameSpaceUri": null
}]
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "UpgradeStepItem",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
"variableDeclarationType": "UpgradeStepItem",
"variableName": "upgradeStepItem",
"variableType": "UpgradeStepItem",
"documentation": null,
"simpleType": "UpgradeStepItem",
"variableSetterType": "UpgradeStepItem"
},
"wrapper": false
},
"VPCDerivedInfo": {
"c2jName": "VPCDerivedInfo",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [
"beanStyleGetterMethodName": "getVpcId",
"beanStyleSetterMethodName": "setVpcId",
"c2jName": "VPCId",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link VpcId(String)}. A reference to this object so that method calls can be chained together.

@see #vpcId(String)
@deprecated Returns a reference to this object so that method calls can be chained together.

@return Returns a reference to this object so that method calls can be chained together.
@see #vpcId(String)
"",
"documentation": "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcId",
"fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "vpcId",
"getterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@return The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCId",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
"setterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
@return Returns a reference to this object so that method calls can be chained together.",

"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String"
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "&lt;p&gt;The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
}
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;&lt;\n&gt;This is a convenience that creates an instance of the {"link List<String>.Builder} avoiding the need to create one manually via {"link List<String>#builder()}.&lt;\n&gt;When the {"link Consumer} completes, {"link List<String>.Builder#build()} is called immediately and its result is passed to {"link List<String> subnetIds(List<String>)}.&lt;\n&gt;@param subnetIds a consumer that will call methods on {"link List<String>}.&lt;\n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;\n&gt;@see #subnetIds(List<String>)&quot;,
"deprecated" : false,
"documentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;&lt;\n&gt;Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.&lt;\n&gt;&lt;\n&gt;@return Specifies the subnets for VPC endpoint.&lt;\n&gt;@get return Returns a reference to this object so that method calls can be chained together.&lt;\n&gt;@see #subnetIds(List<String>)&quot;,
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SubnetIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetIds",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually \nvia \n{@link String#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #member(String)}.\n@params member a consumer that will call methods on \n{@link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n@returns The value of"
the Member property for this object.

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
 },

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "member",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "member",
   "uri" : false
 },

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
 },

"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAvailabilityZones",
"beanStyleSetterMethodName" : "setAvailabilityZones",
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
This is a convenience that creates an instance of the { @link
List<String>.Builder} avoiding the need to create one manually via \{ @link List<String>#builder() \}. When the \{ @link Consumer \} completes, \{ @link List<String>.Builder#build() \} is called immediately and its result is passed to \{ @link #availabilityZones(List<String>) \}.\n\n@param availabilityZones a consumer that will call methods on \{ @link List<String>.Builder\}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #availabilityZones(List<String>)",
"deprecated": false,
"documentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "availabilityZones",
"fluentSetterDocumentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n\n@see #availabilityZones(List<String>)",
"deprecated": false,
"documentation": null};
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)].

- @param member a consumer that will call methods on [link String.Builder]
- @return Returns a reference to this object so that method calls can be chained together.
- @see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

- @param member The new value for the Member property for this object.
- @return Returns a reference to this object so that method calls can be chained together.
- @see #member(String)",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.

- @return The value of the Member property for this object.
- @see #member(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "AvailabilityZones",
"setterDocumentation": "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@n@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "availabilityZones",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "availabilityZones",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was
created with VPCOptions.</p>",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
 "xmlNameSpaceUri" : null
},
 
 
 "beanStyleGetterMethodName" : "getSecurityGroupIds",
 "beanStyleSetterMethodName" : "setSecurityGroupIds",
 "c2jName" : "SecurityGroupIds",
 "c2jShape" : "StringList",
 "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC
endpoint.</p>\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need
to create one manually via [@link String.Builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link String.Builder] a consumer that will call methods on [@link String.Builder].\n@see #securityGroupIds(List<String>)",
 "deprecated" : false,
 "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "securityGroupIds",
 "fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>\n@throws UnsupportedOperationException
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@see #securityGroupIds(List<String>)",
 "getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>\n@see #securityGroupIds(List<String>)",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SecurityGroupIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SecurityGroupIds",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2JName" : "member",
    "c2JShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #member(String)].
@see #member(String)
@deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@see #member(String)"
  }
},
calls can be chained together.

  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n  \n  @return The value of the Member property for this object.\n",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "Member",
  "setterDocumentation" : "Sets the value of the Member property for this object.\n  \n  @param member The new value for the Member property for this object."

  "setterMethodName" : "setMember",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "String"
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
],
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds
Specifies the security groups for VPC endpoint.",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "securityGroupIds",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "securityGroupIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
 "AvailabilityZones" : {
 "beanStyleGetterMethodName" : "getAvailabilityZones",
 "variableName" : "AvailabilityZones",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
} ]}
"beanStyleSetterMethodName" : "setAvailabilityZones",
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.

When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link availabilityZones(List<String>)}. When the method completes, the result is passed to {@link #availabilityZones(List<String>)}.

@see #availabilityZones(List<String>)",
"deprecated" : false,
"documentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "availabilityZones",
"fluentSetterDocumentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@see #availabilityZones(List<String>)",
"fluentSetterMethodName" : "availabilityZones",
"getterDocumentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see #availabilityZones(List<String>)",
"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "AvailabilityZones",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "AvailabilityZones",
   "uri" : false
}
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)].

@see #member(String)"
  },
  "deprecated": false,
  "documentation": "",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object. The new value for the Member property for this object.

@see #member(String)"
  },
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
],
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
],
"map": false,
"mapModel": null,
"marshallingType" : "LIST",
"name" : "AvailabilityZones",
"setterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlnsNamespaceUri" : null,

"SecurityGroupIds" : {
  "beanStyleGetterMethodName" : "getSecurityGroupIds",
  "beanStyleSetterMethodName" : "setSecurityGroupIds",
  "c2jName" : "SecurityGroupIds",
  "c2jShape" : "StringList",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
  <p>This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link SecurityGroupIds(List<String>)}.\n  @param securityGroupIds a consumer that will call methods on { @link List<String>.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see SecurityGroupIds(List<String>)",
  "deprecated" : false,
  "documentation" : "Specifies the security groups for VPC endpoint."
},
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "Specifies the security groups for VPC endpoint."}
securityGroupIds Specifies the security groups for VPC endpoint.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "Specifies the security groups for VPC endpoint. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Specifies the security groups for VPC endpoint.

"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the String.Builder that avoids the need to create one manually via String.builder(). When the Consumer completes, StringBuilder#build() is called immediately and its result is passed to #member(String). The method calls can be chained together. SYS#member(String)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object."

getterModel" : {  
"returnType" : "String",
"documentation" : null
},  
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},  
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together."

setterMethodname" : "setMember",
"setterModel" : {  
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds
Specifies the security groups for VPC endpoint.
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"xmlNameSpaceUri" : null,

"SubnetIds" : {
  "beanStyleGetterMethodName" : "getSubnetIds",
  "beanStyleSetterMethodName" : "setSubnetIds",
  "c2jName" : "SubnetIds",
  "c2jShape" : "StringList",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  
  This is a convenience that creates an instance of the @link List<String>.Builder avoiding the need to create one manually
  via @link List<String>#builder().
  
  When the @link Consumer completes, @link List<String>.Builder#build() is called immediately and its result is passed to @link
  List<String>(List<String>).
  
  @param subnetIds a consumer that will call methods on @link List<String>.Builder
  
  @return Returns a reference to this object so that method calls can be chained
together. @see #subnetIds(List<String>)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "subnetIds",
  "fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  
  Specifies the subnets for VPC endpoint.
  
  @return Returns a reference to this object so that method calls can be chained
together.
  
  @param subnetIds
  
  Specifies the subnets for VPC endpoint.
  
  Attempts to modify the
collection returned by this method will result in an UnsupportedOperationException.
  
  @return Specifies the subnets for VPC endpoint.
  
  @param subnetIds
  
  Specifies the subnets for VPC endpoint.
  
  @return Returns a reference to this object so that method calls can be chained
together.
  
  @param subnetIds

  "fluentSetterDocumentation" : "subnetIds",
  "getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  
  Attempts to modify the
collection returned by this method will result in an UnsupportedOperationException.
  
  @return Specifies the subnets for VPC endpoint.
  
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SubnetIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SubnetIds",
  }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }\nmember a consumer that will call methods on { @link String.Builder }\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object."
  },
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
  }
}
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@ param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"VPCId" : {
  "beanStyleGetterMethodName" : "getVpcId",
  "beanStyleSetterMethodName" : "setVpcId",
  "c2jName" : "VPCId",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
\nThis is a convenience that creates an instance of the \{[@link String.Builder] avoiding the need to create one manually via \{[@link String#builder()]\}.\n\nWhen the \{[@link Consumer] completes, \{[@link String.Builder#build()]} is called immediately and its result is passed to \{[@link #vpcId(String)]}, \n@ param vpcId a consumer that will call methods on \{[@link String.Builder]\}\n@ return Returns a reference to this object so that method calls can be chained together.\n@ see #vpcId(String)",
  "deprecated" : false,
  "documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "vpcId",
  "fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "vpcId",
  "fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>"}
created with VPCOptions.

@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}.

The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@returns The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

"getterMethodName" : "vpcId",
"getterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@returns The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
"setterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@returns The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}.

"@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."

"@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}.

"@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."

"@returns The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}.

"@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."

"@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}.
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "vpcId",
        "variableType" : "String",
        "documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlNamespaceUri" : null
},
"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getVpcId",
    "beanStyleSetterMethodName" : "setVpcId",
    "c2jName" : "VPCId",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

@see #vpcId(String)",
    "deprecated" : false,
    "documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

@see #vpcId(String)",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "vpcId",
    "fluentSetterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

@see #vpcId(String)",
    "fluentSetterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

@see #vpcId(String)",
    "getterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #vpcId(String)}.

@see #vpcId(String)",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
    }
}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCId",
"uri" : false,
}
"
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
"setterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;&lt;ul&gt;This is a convenience that creates an instance of the {@link List&lt;String&gt;}.&lt;/ul&gt;&lt;ul&gt;When the {@link Consumer} completes, the @link List&lt;String&gt; is passed to the @link #subnetIds(List&lt;String&gt;).&lt;/ul&gt;&lt;ul&gt;When the @link List&lt;String&gt; is passed to the @link #subnetIds(List&lt;String&gt;) a consumer that will call methods on the @link List&lt;String&gt;.&lt;/ul&gt;&lt;ul&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;/ul&gt;
@see #subnetIds(List&lt;String&gt;)",
"deprecated" : false,
"documentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;&quot;,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;&lt;ul&gt;Specifies the subnets for VPC endpoint.&lt;/ul&gt;&lt;ul&gt;Returns a reference to this object so that method calls can be chained together.&lt;/ul&gt;
@see #subnetIds(List&lt;String&gt;)",
"fluentSetterMethodName" : "subnetIds",
"getterDocumentation" : "&lt;p&gt;Specifies the subnets for VPC endpoint.&lt;/p&gt;&lt;ul&gt;Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.&lt;/ul&gt;&lt;ul&gt;Specifies the subnets for VPC endpoint.&lt;/ul&gt;&lt;ul&gt;Returns a reference to this object so that method calls can be chained together.&lt;/ul&gt;
"getterModel" : {
"returnType" : "java.util.List&lt;String&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SubnetIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}. The new value for the Member property for this object.
@deprecated
@see #member(String)",
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "eventHeader" : false,
  "eventPayload" : false,
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
    }
  }
}
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"setterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>\n@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName": "setSubnetIds",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
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  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>Specifies the subnets for VPC endpoint.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
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"xmlNameSpaceUri": null},
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  "beanStyleGetterMethodName": "getAvailabilityZones",
  "beanStyleSetterMethodName": "setAvailabilityZones",
  "c2jName": "AvailabilityZones",
  "c2jShape": "StringList",
  "defaultConsumerFluentSetterDocumentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\nThis is a convenience that creates an instance of the \{ @link List<String>\#builder() \} when the \{ @link Consumer \} completes, \{ @link List<String>\#build() \} is called immediately and its result is passed to \{ @link availabilityZones(List<String>) \}.\n@param availabilityZones a consumer that will call methods on \{ @link List<String>\#builder() \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #availabilityZones(List<String>)",
  "deprecated": false,
  "documentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "availabilityZones",
  "fluentSetterDocumentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n@return Returns a reference to this object so that method calls can be chained together."
}
"getterDocumentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",

"getterModel" : {
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    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AvailabilityZones",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AvailabilityZones",
    "uri" : false
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"idempotencyToken" : false,

"list" : true,

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    "interfaceType" : "java.util.List",
    "listMemberModel" : {
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        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "String",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.builder()].

When the [Consumer] completes, it is passed to [String.Builder().build()] and its result is passed to [member(String)].

param name a consumer that will call methods on [String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)",

"deprecated" : false,

"documentation" : "",

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
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  "documentation" : null
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  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
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"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variable SetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AvailabilityZones",
"setterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
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    "variableName" : "availabilityZones",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variable SetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
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    "variableName" : "availabilityZones",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
    "simpleType" : "List<String>",
    "variable SetterType" : "java.util.Collection<String>"
"xmlNameSpaceUri" : null
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    "beanStyleGetterMethodName" : "getSecurityGroupIds",
    "beanStyleSetterMethodName" : "setSecurityGroupIds",
    "c2jName" : "SecurityGroupIds",
    "c2jShape" : "StringList",
    "defaultConsumerFluentSetterDocumentation" : "\p>Specifies the security groups for VPC endpoint.\nThis is a convenience that creates an instance of the \{@link List<String>.Builder\} avoiding the need to create one manually via \{@link List<String>#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link List<String>.Builder#build()\} is called immediately and its result is passed to \{@link #securityGroupIds(List<String>)\}.\n@see \#securityGroupIds(List<String>)",
    "deprecated" : false,
    "documentation" : "\p>Specifies the security groups for VPC endpoint.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\p>@return Determines the security groups for VPC endpoint.\n\p>@deprecated\n\p>@see \#securityGroupIds(List<String>)",
    "enumType" : null,
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    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "securityGroupIds",
    "fluentSetterDocumentation" : "\p>Specifies the security groups for VPC endpoint.\n\p>@see \#securityGroupIds(List<String>)",
    "fluentSetterMethodName" : "securityGroupIds",
    "getterDocumentation" : "\p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\p>@return Determines the security groups for VPC endpoint.\n\p>@deprecated\n\p>@see \#securityGroupIds(List<String>)",
    "getterModel" : {
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      "documentation" : null
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    "http" : {
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      "additionalUnmarshallingPath" : null,
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      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "SecurityGroupIds",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SecurityGroupIds",
      "uri" : false
    }
  }
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \@link String.Builder\) avoiding the need to create one manually via \@link String#builder\()\). When the \@link Consumer\) completes, \@link String.Builder#build\()\) is called immediately and its result is passed to \@link #member\(String\)\). \@param member a consumer that will call methods on \@link String.Builder\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\)\...)
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new
type of the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"}
Specifies the security groups for VPC endpoint.

```java
@<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds

Specifies the security groups for VPC endpoint.

```
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
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"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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"marshaller" : null,
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"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>This is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo#builder()}. When the {@link Consumer} completes, {@link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {@link #options(VPCDerivedInfo)}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #options(VPCDerivedInfo)",
"deprecated" : false,
"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>\n@param options Specifies the VPC options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(VPCDerivedInfo)",
"deprecated" : false,
"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,


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"http": {
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  "additionalUnmarshallingPath": null,
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
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"name": "Options",
"setterDocumentation": "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
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  "variableName": "options",
  "variableType": "VPCDerivedInfo",
  "documentation": null,
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  "variableSetterType": "VPCDerivedInfo"
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"variable": {
  "variableDeclarationType": "VPCDerivedInfo",
  "variableName": "options",
  "variableType": "VPCDerivedInfo",
  "documentation": "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>",
  "simpleType": "VPCDerivedInfo",
  "variableSetterType": "VPCDerivedInfo"
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"xmlNameSpaceUri": null
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"jsonValue" : false,
"list" : false,
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"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain."
,"setterMethodName" : "setStatus",
"setterModel" : {
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   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : null,
   "simpleType" : "OptionStatus",
   "variableSetterType" : "OptionStatus"
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"timestampFormat" : null,
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   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>"
,"simpleType" : "OptionStatus",
   "variableSetterType" : "OptionStatus"
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"xmlNameSpaceUri" : null
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"membersAsMap" : {
   "Options" : {
   "beanStyleGetterMethodName" : "getOptions",
   "beanStyleSetterMethodName" : "setOptions",
   "c2jName" : "Options",
   "c2jShape" : "VPCDerivedInfo",
   "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>This is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo#builder()}. When the {@link Consumer} completes, {@link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {@link #options(VPCDerivedInfo)}.
@param options a consumer that will call methods on {@link VPCDerivedInfo.Builder}
@return Returns a reference to this object so that method calls can be chained together.{@see #options(VPCDerivedInfo)}",
   "deprecated" : false,
   "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>"
,"enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>
@return Specifies the VPC options for the specified Elasticsearch domain.",
"getterModel" : {
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"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Specifies the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
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"variableName" : "options",
"variableType" : "VPCDerivedInfo",
"documentation" : null,
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "VPCDerivedInfo",
"variableName" : "options",
"variableType" : "VPCDerivedInfo",
"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus.Builder}@param status a consumer that will call methods on the object it returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"getterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@return Specifies the status of the VPC options for the specified Elasticsearch domain.
@see #status(OptionStatus)",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
Specifies the status of the VPC options for the specified Elasticsearch domain.

### setterDocumentation

<p>Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the \{ @link VPCDerivedInfo.Builder \} avoiding the
need to create one manually via \{ @link VPCDerivedInfo.Builder#builder() \}. When the \{ @link Consumer \} completes,
\{ @link VPCDerivedInfo.Builder#build() \} is called immediately and its result is passed to \{ @link
#options(VPCDerivedInfo) \}.\n\n@param options a consumer that will call methods on \{ @link
VPCDerivedInfo.Builder \}\nEnterpt Returns a reference to this object so that method calls can be chained
together.\n\n@see #options(VPCDerivedInfo)",
\n"deprecated" : false,
"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch
domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
@return Specifies the VPC options for the specified Elasticsearch domain.",
"getterModel" : {
 "returnType" : "VPCDerivedInfo",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
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 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Options",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Options",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "<p>Specifies the VPC options for the specified Elasticsearch domain.</p>
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
  "This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding
  the need to create one manually via { @link OptionStatus.Builder#builder()}. When the { @link Consumer}
  completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link
  OptionStatus.Builder#status(Status)}. "
  "return Returns a reference to this object so that method calls can be chained
together."
},
"deprecated" : false,
"documentation" : "<p>Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the VPC options for the specified Elasticsearch
domain.</p>
  "param status Specifies the status of the VPC options for the specified Elasticsearch
domain."
  "return Returns a reference to this object so that method calls can be chained together.";
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@return Specifies the status of the VPC options for the specified Elasticsearch domain.",
"getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
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    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : null,
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status"}
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
}

"xmlNameSpaceUri" : null
]
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "VPCDerivedInfoStatus",
"simpleMethod" : false,
"unmarshaller" : {

"flattened" : false,
"resultWrapper" : null
},

"variable" : {

"variableDeclarationType" : "VPCDerivedInfoStatus",
"variableName" : "vpcDerivedInfoStatus",
"variableType" : "VPCDerivedInfoStatus",
"documentation" : null,
"simpleType" : "VPCDerivedInfoStatus",
"variableSetterType" : "VPCDerivedInfoStatus"
},

"wrapper" : false
},

"VPCOptions" : {

"c2jName" : "VPCOptions",
"customization" : {

"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},

deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"> VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  "beanStyleGetterMethodName" : "getSubnetIds",
  "beanStyleSetterMethodName" : "setSubnetIds",
  "c2jName" : "SubnetIds",
  "c2jShape" : "StringList",
  "defaultConsumerFluentSetterDocumentation" : "This is a convenience that creates an instance of the \{@link List<String>.Builder\} avoiding the need to create one manually via \{@link List<String>#builder()\}. When the \{@link Consumer\} completes, \{@link List<String>.Builder#build()\} is called immediately and its result is passed to \{@link List<String>.Builder#build()\} a consumer that will call methods on \{@link List<String>.Builder\}\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n\n@see \#subnetIds(List<String>)",
  "documentation" : "Specifies the subnets for VPC endpoint.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n\n@see \#subnetIds(List<String>)",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "subnetIds",
  "fluentSetterDocumentation" : "Specifies the subnets for VPC endpoint.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n\n@see \#subnetIds(List<String>)",
  "fluentSetterMethodName" : "subnetIds",
  "getterDocumentation" : "Specifies the subnets for VPC endpoint.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n\n@see \#subnetIds(List<String>)",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SubnetIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SubnetIds",
    "uri" : false
  }
]
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to
create one manually via [ @link String#builder() ]. When the [ @link Consumer ] completes, [ @link
String.Builder#build() ] is called immediately and its result is passed to [ @link #member(String) ].
@param member a consumer that will call methods on [ @link String.Builder ]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Retruns the value of the Member property for this object.
",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
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  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@method setName
@value subnets

"setterMethodName" : "setSubnetIds",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "subnetIds",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "subnetIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.
When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link List<String> Builder}.

@method setSecurityGroupIds
@value securityGroupIds
@returns Returns a reference to this object so that method calls can be chained together.
@see #securityGroupIds(List<String>)"

"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethod" : "SecurityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@method setName
@value securityGroupIds
@returns Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
<p>@return Specifies the security groups for VPC endpoint.
</p>"
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [#member(String)].

@see #member(String)
@deprecated"
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumSetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@param member
The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member
The new value for the Member property for this object.\n",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}.
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SecurityGroupIds",
"setterDocumentation": "<p>Specifies the security groups for VPC endpoint.</p><p>@param securityGroupIds</p>
Specifies the security groups for VPC endpoint.",
"setterMethodName": "setSecurityGroupIds",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "securityGroupIds",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
"},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "securityGroupIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>Specifies the security groups for VPC endpoint.</p><p>@param securityGroupIds</p>
Specifies the security groups for VPC endpoint.",
"variableSetterType": "java.util.Collection<String>
}"},
"xmlNameSpaceUri": null
"membersAsMap" : {
"SecurityGroupIds" : {
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>This is a convenience that creates an instance of the \{@link List<String>.Builder\} avoiding the need to create one manually via \{@link List<String>#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link List<String>.Builder#build()\} is called immediately and its result is passed to \{@link #securityGroupIds(List<String>)\}.\n\n@see \#securityGroupIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together."
@see \#securityGroupIds(List<String>)",
"getterDocumentation" : "<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n</p>\n\n@return Specifies the security groups for VPC endpoint."
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"ListModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the [String.Builder] avoiding the need to create
one manually via [String.Builder]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#member(String)].
\n@param member a consumer that will call methods on [String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"}
"mapModel":null,
"marshallingType":"LIST",
"name":"SecurityGroupIds",
"setterDocumentation":"<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds Specifies the security groups for VPC endpoint.",
"setterMethodName":"setSecurityGroupIds",
"setterModel":{
  "variableDeclarationType":"java.util.List<String>",
  "variableName":"securityGroupIds",
  "variableType":"java.util.List<String>",
  "documentation":null,
  "simpleType":"List<String>",
  "variableSetterType":"java.util.Collection<String>"
},
"simple":false,
"timestampFormat":null,
"variable":{
  "variableDeclarationType":"java.util.List<String>",
  "variableName":"securityGroupIds",
  "variableType":"java.util.List<String>",
  "documentation":"<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
  "deprecated":false,
  "documentation":null,
  "enumType":null,
  "eventHeader":false,
  "eventPayload":false,
  "fluentEnumGetterMethodName":null,
  "fluentEnumSetterMethodName":null,
  "fluentGetterMethodName":null,
  "fluentSetterDocumentation":"<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)"
},
"defaultConsumerFluentSetterDocumentation":"<p>Specifies the subnets for VPC endpoint.</p>
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #subnetIds(List<String>)}. {@link List<String>.Builder} a consumer that will call methods on {@link List<String>.Builder} Builder\n@see subnetIds(List<String>)",
  "deprecated":false,
  "documentation":null,
  "enumType":null,
  "eventHeader":false,
  "eventPayload":false,
  "fluentEnumGetterMethodName":null,
  "fluentEnumSetterMethodName":null,
  "fluentGetterMethodName":null,
  "fluentSetterDocumentation":"<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)"
chained together.

"fluentSetterMethodName" : "subnetIds",
"getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Specifies the subnets for VPC endpoint.

"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SubnetIds",
  "queryString" : false,
  "unmarshallLocationName" : "SubnetIds",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the @link String.Builder) avoiding the need to create one manually via @link String#builder()). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #member(String)).

@returns a reference to this object so that method calls can be chained together.
@see #member(String)
"
  },
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "member",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "member",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SubnetIds",
"setterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName": "setSubnetIds",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simple": true,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
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  "variableDeclarationType": "java.util.List<String>",
  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": "<p>Specifies the subnets for VPC endpoint.</p>",
  "simple": true,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
}
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getSubnetIds",
  "beanStyleSetterMethodName" : "setSubnetIds",
  "c2jName" : "SubnetIds",
  "c2jShape" : "StringList",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually
  via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to
  {@link List<String>subnetIds(List<String>)}.<br>
  @param subnetIds a consumer that will call methods on {@link List<String>.Builder}<br>
  @return Returns a reference to this object so that method calls can be chained together.<br>
  @see #subnetIds(List<String>)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "subnetIds",
  "fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  @param subnetIds Specifies the subnets for VPC endpoint.<br>
  @return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "subnetIds",
  "getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  @param subnetIds Specifies the subnets for VPC endpoint.<br>
  @return Returns a reference to this object so that method calls can be chained together.
",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SubnetIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SubnetIds",
  }
}
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n
This is a convenience that creates an instance of the {\@link String.Builder} avoiding the need to create one manually via {\@link String#builder()}\n\nWhen the {\@link Consumer} completes, {\@link String.Builder#build()} is called immediately and its result is passed to {\@link #member(String)}\n\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n
The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
}
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
}
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  \param subnetIds Specifies the subnets for VPC endpoint.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
This is a convenience that creates an instance of the \{@link List<String>.Builder\} avoiding the need to create one manually via \{@link List<String>#builder()\}. When the \{@link Consumer\} completes, \{@link List<String>.Builder#build()\} is called immediately and its result is passed to \{@link SecurityGroupIds(List<String>)\}. This is a consumer that will call methods on \{@link List<String>.Builder\} \{@link return\} Returns a reference to this object so that method calls can be chained together.\n@see SecurityGroupIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
\param securityGroupIds Specifies the security groups for VPC endpoint.\n\return Returns a reference to this object so that
method calls can be chained together."
   "fluentSetterMethodName" : "securityGroupIds",
   "getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
   <p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
   <p>@return Specifies the security groups for VPC endpoint.</p>.
   "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
   },
   "http" : {
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      "additionalUnmarshallingPath" : null,
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      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "SecurityGroupIds",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "SecurityGroupIds",
      "uri" : false
   },
   "idempotencyToken" : false,
   "isBinary" : false,
   "jsonValue" : false,
   "list" : true,
   "listModel" : {
      "implType" : "java.util.ArrayList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
         "beanStyleGetterMethodName" : "getMember",
         "beanStyleSetterMethodName" : "setMember",
         "c2jName" : "member",
         "c2jShape" : "String",
         "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
      This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}.<p>\n\n@return Returns a reference to this object so that method calls can be chained together.</p>
      "deprecated" : false,
      "documentation" : "",
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member
The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member
The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
 Specifies the security groups for VPC endpoint.

@param securityGroupIds

@see SecurityGroupIds
"required" : null,
"shapeName" : "ValidationException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ValidationException",
  "variableName" : "validationException",
  "variableType" : "ValidationException",
  "documentation" : null,
  "simpleType" : "ValidationException",
  "variableSetterType" : "ValidationException"
},
"wrapper" : false
},
"VolumeType" : {
  "c2jName" : "VolumeType",
  "customization" : {
    "artiﬁcialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "enums" : [ {
    "name" : "STANDARD",
    "value" : "standard"
  }, {
    "name" : "GP2",
    "value" : "gp2"
  }, {
    "name" : "IO1",
    "value" : "io1"
  } ],
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeType",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VolumeType",
  "variableName" : "volumeType",
  "variableType" : "VolumeType",
  "documentation" : null,
  "simpleType" : "VolumeType",
  "variableSetterType" : "VolumeType"
},
"wrapper" : false}
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"customAuthorizers" : { },
"customRetryPolicy" : null,
"examples" : { 
  "examples" : { },
  "version" : "1.0"
},
"fileHeader" : "/*
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 */
",
"sdkModeledExceptionBaseClassName" : "ElasticsearchException",
"sdkModeledExceptionBaseFqcn" : "software.amazon.awssdk.services.elasticsearch.model.ElasticsearchException",
"sdkRequestBaseClassName" : "ElasticsearchRequest",
"sdkResponseBaseClassName" : "ElasticsearchResponse"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069476299_1594672764.44/0/elasticsearch-2-3-3-sources-1-jar/models/es-2015-01-01-intermediate.json

No license file was found, but licenses were detected in source scan.
1.1607 grizzly-rcm 1.9.8

1.1608 slf4j 1.7.7.jbossorg-1
1.1608.1 Available under license:

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1.1609 opentracing-noop 0.31.0
1.1610 fribidi 1.0.2 1.el7_7.1

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jar/io/netty/util/DomainNameMapping.java
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* /opt/cola/permits/1073005763_1602084526.3/0/netty-common-4-1-31-final-sources-jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/pem.h
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gz/src/core/lib/iomgr/lockfree_event.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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 * Original file name getopt.c  Initial import into the c-ares source tree
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 *
 *
 */

/*
 * getopt.c --
 *
 * Standard UNIX getopt function. Code is from BSD.
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_getopt.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_parse_aaaa_reply.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/ext/transport/chttp2/transport/http2_settings.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/ext/transport/chttp2/transport/http2_settings.h

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/* Post-quantum key agreement, based upon the reference
* implementation. Note: this implementation does not interoperate
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* Source: https://github.com/tpoeppelmann/newhope
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/newhope.h
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gz/third_party/boringssl/crypto/ec/simple.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ec/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ec/ec_key.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ec/wnaf.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/include/openssl/ec.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/include/openssl/ec_key.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ec/ec.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ec/oct.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/ev_posix.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/channel/channel_args.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/channel/channel_args.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/incoming_metadata.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/incoming_metadata.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/security/transport/auth_filters.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/include/grpc/impl/codegen/atm.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/client/insecure/channel_create.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/ruby/ext/grpc/rb_grpc.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_ping.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/huffsyms.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_ping.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/ruby/ext/grpc.rb_grpc.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/tmpfile_msys.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/tsi/transport_security.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/json/json_common.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/tsi/transport_security.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/http/server/http_server_filter.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/http/server/http_server_filter.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/ev_epollsig_linux.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/timer.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/string_posix.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/http/message_compress/message_compress_filter.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/log_common.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/log_posix.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/endpoint_pair_windows.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/log_posix.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/ruby/ext/grpc/rb_server.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/log_posix.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/profiling/timers.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/time_averaged_stats.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/endpoint_pair_windows.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/time_averaged_stats.c
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gz/src/core/lib/iomgr/time_averaged_stats.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/ext/transport/chttp2/client/secure/secure_channel_create.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/support/env.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar
gz/src/core/ext/transport/chttp2/client/secure/secure_channel_create.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/json/json_writer.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar
gz/src/core/ext/transport/chttp2/client/secure/secure_channel_create.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/json/json_writer.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar
gz/src/ruby/ext/grpc/rb_server_credentials.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/iomgr/udp_server.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/iomgr/udp_server.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/http/httpcli.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/support/cpu_windows.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/support/cpu_windows.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/include/grpc/impl/codegen/atm_windows.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/iomgr/udp_server.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/iomgr/udp_server.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/support/tls.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/support/thd_windows.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/ext/filters/client_channel/lb_policy_factory.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/ext/transport/chttp2/client/chttp2_connector.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/ext/filters/client_channel/lb_policy_factory.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/support/stack_lockfree.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/ext/transport/chttp2/client/chttp2_connector.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
gz/src/core/lib/surface/call_test_only.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/transport/connectivity_state.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/include/grpc/impl/codegen/status.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/channel/connected_channel.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/socke
-`...c
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gz/src/core/lib/iomgr/socket_mutator.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/socket_mutator.c
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gz/src/core/lib/json/json.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/json/json.c
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gz/src/core/lib/compression/message_compress.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/compression/message_compress.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/client_channel/uri_parser.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/transport/timeout_encoding.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/security/transport/ksi_error.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/http/format_request.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/security/transport/ksi_error.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/surface/channel.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/transport/timeout_encoding.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/cpu_linux.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/tcp_server_windows.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/security/credentials/composite/composite_credentials.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/include/grpc/support/atm_gcc_atomic.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/stream_map.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/security/credentials/composite/composite_credentials.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/slice/slice.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/stream_map.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/timer_generic.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/pcy_cache.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/pcy_node.c
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gz/third_party/boringssl/crypto/bn/random.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/bn/gcd.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ex_data.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/bn/prime.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/include/openssl/ex_data.h

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* gz/third_party/boringssl/crypto/evp/p_rsa.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
* gz/third_party/boringssl/crypto/evp/p_dsa_asn1.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
* gz/third_party/boringssl/crypto/evp/print.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
* gz/third_party/boringssl/crypto/evp/p_ec.c

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/* trees.c -- output deflated data using Huffman coding
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* detect_data_type() function provided freely by Cosmin Truta, 2006
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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/* These version-specific methods behave exactly like |TLS_method| and
 * |DTLS_method| except they also call |SSL_CTX_set_min_proto_version| and
 * |SSL_CTX_set_max_proto_version| to lock connections to that protocol
 * version. */

/* key_exchange_info contains an indication of the size of the asymmetric
 * primitive used in the handshake that created this session. In the event
 * that two asymmetric operations are used, this value applies to the one
 * that controls the confidentiality of the connection. Its interpretation
 * depends on the primitive that was used; as specified by the cipher suite:
 * DHE: the size, in bits, of the multiplicative group.
 * ECDHE: the TLS id for the curve.
 *
 * A zero indicates that the value is unknown. */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/vpm_int.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/security/credentials/fake/fake_credentials.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/census/resource.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/census/placeholders.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/census/resource.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/timer_uv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/surface/channel_init.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/surface/channel_init.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/transport/pid_controller.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/support/mpscq.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/channel/handshaker_registry.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/support/mpscq.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/slice/percent_encoding.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/resolve_address_uv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/slice/percent_encoding.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/workqueue_uv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/support/backoff.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/workqueue_uv.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/slice/percent_encoding.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/ruby/ext/grpc/rb_grpc_imports.generated.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/channel/handshaker.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/tcp_uv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/ruby/ext/grpc/rb_grpc_imports.generated.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/socket_utils_uv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/tcp_uv.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/channel/handshaker.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/transport/bdp_estimator.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/unix_sockets_posix_noop.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/transport/bdp_estimator.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/iomgr/polling_entity.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/src/core/lib/surface/validate_metadata.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/ext/filters/client_channel/resolver/dns/c_areas/grpc_areas_ev_driver_posix.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/lib/iomgr/port.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/lib/iomgr/endpoint_pair_posix.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/lib/iomgr/endpoint_pair_posix.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/lib/iomgr/error_internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/ext/filters/client_channel/http_connect_handshaker.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/ext/filters/client_channel/http_connect_handshaker.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/ext/filters/load_reporting/load_reporting.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/ext/filters/load_reporting/load_reporting.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/lib/security/credentials/ssl/ssl_credentials.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/src/core/lib/security/credentials/ssl/ssl_credentials.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/ssl/tls_record.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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*
*/
/** Signal that the call is cacheable. GRPC is free to use GET verb */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/include/grpc/impl/codegen/grpc_types.h
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/* uncompr.c -- decompress a memory buffer
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*/

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/bn/rsaz_exp.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/bn/rsaz_exp.h

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* 
* Inspired by Daniel J. Bernstein's public domain nistp224 implementation 
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ec/p224-64.c 

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/pcy_map.c

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// crc32.c -- compute the CRC-32 of a data stream
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* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing tables for updating the shift register in one step with three exclusive-ors instead of four steps with four exclusive-ors. This results in about a factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3. */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/asn1.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/x509_vfy.h

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gz/third_party/boringssl/crypto/pem/pem_xaux.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/time_support.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/include/openssl/time_support.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/pem/pem_x509.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_bcons.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_bitst.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_akey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pkcs8/p5_pbev2.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_extku.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_enum.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_pku.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_pku.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_prn.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pkcs8/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pkcs8/pkcs8.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/pkcs8.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_skey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_skey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_skpi.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pkcs8/p5_pbe.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/curve25519/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/ec/util-64.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/buffer.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/srtp.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/thread_pthread.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/ssl/ssl_aead_ctx.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/ssl/ssl_buffer.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/bn/bn_asn1.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/refcount_lock.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/conf/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/thread_none.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/thread_win.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/ec/p256-64.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/include/openssl/curve25519.h

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/* infback.c -- inflate using a call-back interface
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/cares/cares/ares_platform.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/modes/ctr.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/modes/ofb.c
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/* zlib.h -- interface of the 'zlib' general purpose compression library
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/obj/obj.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/asn1/tasn_new.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/hmac/hmac.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/asn1/a_int.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/x509/a_digest.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/asn1/f_enum.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/thread.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/des.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/x509/x_pubkey.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/bio/connect.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/file.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/asn1/a_gentm.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/asn1/a_print.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/x509/x509_vfy.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/md5/md5.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/base64.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/cast.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/x509/x509_crl.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/rsa/internal.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/x509/x509_v3.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/obj.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/cipher/e_null.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/stack/stack.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/bio/printf.c
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/md5.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/mem.h
%/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/x509/x_pkey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/evp/evp_asn1.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509_req.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x_x509.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509_set.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/dh/dh.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/stack.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509rset.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/cipher/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/asn1/a_octet.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/a_verify.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/evp/evp.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x_val.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_crlid.c

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/* zutil.c -- target dependent utility functions for the compression library
* Copyright (C) 1995-2017 Jean-loup Gailly
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/zlib/zutil.c
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/* Authenticated Encryption with Additional Data.
* 
* AEAD couples confidentiality and integrity in a single primitive. AEAD
* algorithms take a key and then can seal and open individual messages. Each
* message has a unique, per-message nonce and, optionally, additional data
* which is authenticated but not included in the ciphertext.
* The |EVP_AEAD_CTX_init| function initialises an |EVP_AEAD_CTX| structure and
* performs any precomputation needed to use |aead| with |key|. The length of
* the key, |key_len|, is given in bytes.
*
* The |tag_len| argument contains the length of the tags, in bytes, and allows
* for the processing of truncated authenticators. A zero value indicates that
* the default tag length should be used and this is defined as
* |EVP_AEAD_DEFAULT_TAG_LENGTH| in order to make the code clear. Using
* truncated tags increases an attacker's chance of creating a valid forgery.
* Be aware that the attacker's chance may increase more than exponentially as
* would naively be expected.
*
* When no longer needed, the initialised |EVP_AEAD_CTX| structure must be
* passed to |EVP_AEAD_CTX_cleanup|, which will deallocate any memory used.
*
* With an |EVP_AEAD_CTX| in hand, one can seal and open messages. These
* operations are intended to meet the standard notions of privacy and
* authenticity for authenticated encryption. For formal definitions see
* Bellare and Namprempre, "Authenticated encryption: relations among notions
* and analysis of the generic composition paradigm," Lecture Notes in Computer
* Science B<1976> (2000), 531–545,
*
* When sealing messages, a nonce must be given. The length of the nonce is
* fixed by the AEAD in use and is returned by |EVP_AEAD_nonce_length|. *The
* nonce must be unique for all messages with the same key*. This is critically
* important - nonce reuse may completely undermine the security of the AEAD.
* Nonces may be unpredictable and public, so long as they are unique. Uniqueness
* may be achieved with a simple counter or, if large enough, may be generated
* randomly. The nonce must be passed into the "open" operation by the receiver
* so must either be implicit (e.g. a counter), or must be transmitted along
* with the sealed message.
*
* The "seal" and "open" operations are atomic - an entire message must be
* encrypted or decrypted in a single call. Large messages may have to be split
* up in order to accomodate this. When doing so, be mindful of the need not to
* repeat nonces and the possibility that an attacker could duplicate, reorder
* or drop message chunks. For example, using a single key for a given (large)
* message and sealing chunks with nonces counting from zero would be secure as
* long as the number of chunks was securely transmitted. (Otherwise an
* attacker could truncate the message by dropping chunks from the end.)
*
* The number of chunks could be transmitted by prefixing it to the plaintext,
* for example. This also assumes that no other message would ever use the same
* key otherwise the rule that nonces must be unique for a given key would be
* violated.
* The "seal" and "open" operations also permit additional data to be
* authenticated via the |ad| parameter. This data is not included in the
* ciphertext and must be identical for both the "seal" and "open" call. This
* permits implicit context to be authenticated but may be empty if not needed.
* 
* The "seal" and "open" operations may work in-place if the |out| and |in|
* arguments are equal. Otherwise, if |out| and |in| alias, input data may be
* overwritten before it is read. This situation will cause an error.
* 
* The "seal" and "open" operations return one on success and zero on error. */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/x509v3/v3_ncons.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_purp.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_expand_name.c

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

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Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.1627 spring-test 3.0.0.RELEASE

1.1627.1 Available under license:
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Found in path(s):
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/test/context/support/GenericPropertiesContextLoader.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/test/jpa/OrmXmlOverridingShadowingClassLoader.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/test/annotation/SystemProfileValueSource.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/test/ConditionalTestCase.java

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*/

Found in path(s):
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/AbstractTransactionalDataSourceSpringContextTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/AbstractTransactionalSpringContextTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/context/junit38/AbstractTransactionalJUnit38SpringContextTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/web/AbstractModelAndViewTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/annotation/AbstractAnnotationAwareTransactionalTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/context/transaction/TransactionConfigurationAttributes.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/context/support/AbstractGenericContextLoader.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/jdbc/SimpleJdbcTestUtils.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/test/context/support/DependencyInjectionTestExecutionListener.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-
  jar/org/springframework/mock/jndi/SimpleNamingContext.java

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*
Found in path(s):
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/MockMultipartFile.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/test/context/transaction/AfterTransaction.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/test/web/ModelAndViewAssert.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockCacheControl.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockPortletPreferences.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockClientDataRequest.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/MockFilterConfig.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockCacheControl.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockPortletPreferences.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockClientDataRequest.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockFilterConfig.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockCacheControl.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockPortletPreferences.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockClientDataRequest.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockFilterConfig.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockCacheControl.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockPortletPreferences.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1-jar/org/springframework/mock/web/portlet/MockClientDataRequest.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/mock/web/MockServletContext.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/test/annotation/DirtiesContext.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/test/context/junit4/AbstractTransactionalJUnit4SpringContextTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/mock/jndi/SimpleNamingContextBuilder.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/HeaderValueHolder.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/PortalContext.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/PassThroughFilterChain.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/MockHttpServletResponse.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/MockServletConfig.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/MockRequestDispatcher.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/MockPortletSession.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/mock/web/PortletConfig.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/testcontext/support/AbstractTestExecutionListener.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/test/context/support/AbstractContextLoader.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/test/context/testng/AbstractTestNGSpringContextTests.java
* /opt/cola/permits/1110676691_1606844023.19/0/spring-test-3-0-0-release-sources-1.jar/org/springframework/framework/test/context/TestContextManager.java
1.1628 libjpeg 9a

1.1628.1 Available under license:
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/*
 * jdsample.c
 */
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2002-2008 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains upsampling routines.
*
* Upsampling input data is counted in "row groups". A row group
* is defined to be (v_samp_factor * DCT_v_scaled_size / min_DCT_v_scaled_size)
* sample rows of each component. Upsampling will normally produce
* max_v_samp_factor pixel rows from each row group (but this could vary
* if the upsampler is applying a scale factor of its own).
*
* An excellent reference for image resampling is
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdsample.c
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/*
 * jdhuff.c
 *
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 * Modified 2006-2013 by Guido Vollbeding.
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines.
 * Both sequential and progressive modes are supported in this single module.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdhuff.c
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/*
 * jdatasrc.c
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETs from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jdatasrc.c
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/*
* jmemname.c
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file provides a generic implementation of the system-dependent
* portion of the JPEG memory manager. This implementation assumes that
* you must explicitly construct a name for each temp file.
* Also, the problem of determining the amount of memory available
* is shoved onto the user.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jmemname.c
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/*
* jcparam.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains optional default-setting code for the JPEG compressor.
Applications do not have to use this file, but those that don't use it must know a lot more about the innards of the JPEG code.

Found in path(s):
/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jcparam.c

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/*
 * jerror.h
 *
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 *
 * This file defines the error and message codes for the JPEG library.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 * A set of error-reporting macros are defined too. Some applications using
 * the JPEG library may wish to include this file to get the error codes
 * and/or the macros.
 */

Found in path(s):
/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jerror.h

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Found in path(s):
/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jmemdosa.asm

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INSTALLATION INSTRUCTIONS for the Independent JPEG Group's JPEG software

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This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file explains how to configure and install the IJG software. We have tried to make this software extremely portable and flexible, so that it can be adapted to almost any environment. The downside of this decision is that the installation process is complicated. We have provided shortcuts to simplify
the task on common systems. But in any case, you will need at least a little familiarity with C programming and program build procedures for your system.

If you are only using this software as part of a larger program, the larger program's installation procedure may take care of configuring the IJG code. For example, Ghostscript's installation script will configure the IJG code. You don't need to read this file if you just want to compile Ghostscript.

If you are on a Unix machine, you may not need to read this file at all. Try doing
./configure
make
make test
If that doesn't complain, do
make install
(better do "make -n install" first to see if the makefile will put the files where you want them). Read further if you run into snags or want to customize the code for your system.

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Hints for specific systems

BEFORE YOU START
=================

Before installing the software you must unpack the distributed source code. Since you are reading this file, you have probably already succeeded in this task. However, there is a potential for error if you needed to convert the files to the local standard text file format (for example, if you are on MS-DOS you may have converted LF end-of-line to CR/LF). You must apply such conversion to all the files EXCEPT those whose names begin with "test". The test files contain binary data; if you change them in any way then the self-test will give bad results.
Please check the last section of this file to see if there are hints for the specific machine or compiler you are using.

CONFIGURING THE SOFTWARE
==========================

To configure the IJG code for your system, you need to create two files:
* jconfig.h: contains values for system-dependent #define symbols.
* Makefile: controls the compilation process.
(On a non-Unix machine, you may create "project files" or some other substitute for a Makefile. jconfig.h is needed in any environment.)

We provide three different ways to generate these files:
* On a Unix system, you can just run the "configure" script.
* We provide sample jconfig files and makefiles for popular machines;
  if your machine matches one of the samples, just copy the right sample
  files to jconfig.h and Makefile.
* If all else fails, read the instructions below and make your own files.

Configuring the software using the automatic "configure" script
================================================================

If you are on a Unix machine, you can just type
./configure
and let the configure script construct appropriate configuration files.
If you're using "csh" on an old version of System V, you might need to type
sh configure
instead to prevent csh from trying to execute configure itself.
Expect configure to run for a few minutes, particularly on slower machines;
it works by compiling a series of test programs.

Configure was created with GNU Autoconf and it follows the usual conventions for GNU configure scripts. It makes a few assumptions that you may want to override. You can do this by providing optional switches to configure:

* Configure will build both static and shared libraries, if possible.
If you want to build libjpeg only as a static library, say
./configure --disable-shared
If you want to build libjpeg only as a shared library, say
./configure --disable-static
Configure uses GNU libtool to take care of system-dependent shared library building methods.

* Configure will use gcc (GNU C compiler) if it's available, otherwise cc.
To force a particular compiler to be selected, use the CC option, for example
./configure CC='cc'
The same method can be used to include any unusual compiler switches. For example, on HP-UX you probably want to say

`./configure CC='cc -Aa'`

to get HP's compiler to run in ANSI mode.

* The default CFLAGS setting is "-g" for non-gcc compilers, "-g -O2" for gcc. You can override this by saying, for example,

`./configure CFLAGS='-O2'`

if you want to compile without debugging support.

* Configure will set up the makefile so that "make install" will install files into `/usr/local/bin`, `/usr/local/man`, etc. You can specify an installation prefix other than `/usr/local` by giving configure the option "--prefix=PATH".

* If you don't have a lot of swap space, you may need to enable the IJG software's internal virtual memory mechanism. To do this, give the option "--enable-maxmem=N" where N is the default maxmemory limit in megabytes. This is discussed in more detail under "Selecting a memory manager", below. You probably don't need to worry about this on reasonably-sized Unix machines, unless you plan to process very large images.

Configure has some other features that are useful if you are cross-compiling or working in a network of multiple machine types; but if you need those features, you probably already know how to use them.

Configuring the software using one of the supplied jconfig and makefile files

If you have one of these systems, you can just use the provided configuration files:

Makefile  jconfig  file

System and/or compiler

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

makefile.manx  jconfig.manx  Manx Aztec C
makefile.sas  jconfig.sas  Amiga, SAS C
makeproj.mac  jconfig.mac  Apple Macintosh, Metrowerks CodeWarrior
mak*jpeg  stjconfig.stAtari ST/STE/TT, Pure C or Turbo C
makefile.bcc  jconfig.bcc  MS-DOS, DJGPP (Delorie's port of GNU C)
makefile.mc6  jconfig.mc6  Microsoft C (16-bit only)
makefile.wat  jconfig.wat  Windows NT, Watcom C
makefile.vc  jconfig.vc  Windows NT/95, MS Visual C++
make*.vc6  jconfig.vc  Windows NT/95, MS Visual C++ 6
make*.v10  jconfig.vc  Windows NT/95, MS Visual C++ 2010 (v10)
makefile.mms  jconfig.vms  Digital VMS, with MMS software
makefile.msv  jconfig.vms  Digital VMS, without MMS software
Copy the proper jconfig file to jconfig.h and the makefile to Makefile (or whatever your system uses as the standard makefile name). For more info see the appropriate system-specific hints section near the end of this file.

Configuring the software by hand
--------------------------------

First, generate a jconfig.h file. If you are moderately familiar with C, the comments in jconfig.txt should be enough information to do this; just copy jconfig.txt to jconfig.h and edit it appropriately. Otherwise, you may prefer to use the ckconfig.c program. You will need to compile and execute ckconfig.c by hand --- we hope you know at least enough to do that. ckconfig.c may not compile the first try (in fact, the whole idea is for it to fail if anything is going to). If you get compile errors, fix them by editing ckconfig.c according to the directions given in ckconfig.c. Once you get it to run, it will write a suitable jconfig.h file, and will also print out some advice about which makefile to use.

You may also want to look at the canned jconfig files, if there is one for a system similar to yours.

Second, select a makefile and copy it to Makefile (or whatever your system uses as the standard makefile name). The most generic makefiles we provide are
makefile.ansi: if your C compiler supports function prototypes
makefile.unix: if not.
(You have function prototypes if ckconfig.c put "#define HAVE_PROTOTYPES" in jconfig.h.) You may want to start from one of the other makefiles if there is one for a system similar to yours.

Look over the selected Makefile and adjust options as needed. In particular you may want to change the CC and CFLAGS definitions. For instance, if you are using GCC, set CC=gcc. If you had to use any compiler switches to get ckconfig.c to work, make sure the same switches are in CFLAGS.

If you are on a system that doesn't use makefiles, you'll need to set up project files (or whatever you do use) to compile all the source files and link them into executable files cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom. See the file lists in any of the makefiles to find out which files go into each program. Note that the provided makefiles all make a "library" file libjpeg first, but you don't have to do that if you don't want to; the file lists identify which source files are actually needed for compression, decompression, or both. As a last resort, you can make a batch script that just compiles everything and links it all together; makefile.vms is an example of this (it's for VMS systems that have no make-like utility).

Here are comments about some specific configuration decisions you'll
need to make:

Command line style

These programs can use a Unix-like command line style which supports
redirection and piping, like this:
cjpeg inputfile >outputfile
cjpeg <inputfile >outputfile
source program | cjpeg >outputfile
The simpler "two file" command line style is just
cjpeg inputfile outputfile
You may prefer the two-file style, particularly if you don't have pipes.

You MUST use two-file style on any system that doesn't cope well with binary
data fed through stdin/stdout; this is true for some MS-DOS compilers, for
example. If you're not on a Unix system, it's safest to assume you need
two-file style. (But if your compiler provides either the Posix-standard
fdopen() library routine or a Microsoft-compatible setmode() routine, you
can safely use the Unix command line style, by defining USE_FDOPEN or
USE_SETMODE respectively.)

To use the two-file style, make jconfig.h say "#define TWO_FILE_COMMANDLINE".

Selecting a memory manager

The IJG code is capable of working on images that are too big to fit in main
memory; data is swapped out to temporary files as necessary. However, the
code to do this is rather system-dependent. We provide five different
memory managers:

* jmemansi.c This version uses the ANSI-standard library routine tmpfile(),
which not all non-ANSI systems have. On some systems
tmpfile() may put the temporary file in a non-optimal
location; if you don't like what it does, use jmemname.c.

* jmemname.c This version creates named temporary files. For anything
except a Unix machine, you'll need to configure the
select_file_name() routine appropriately; see the comments
near the head of jmemname.c. If you use this version, define
NEED_SIGNAL_CATCHER in jconfig.h to make sure the temp files
are removed if the program is aborted.

* jmemnobs.c (That stands for No Backing Store :-). This will compile on
almost any system, but it assumes you have enough main memory
or virtual memory to hold the biggest images you work with.
* jmemdos.c This should be used with most 16-bit MS-DOS compilers. See the system-specific notes about MS-DOS for more info. IMPORTANT: if you use this, define USE_MSDOS_MEMMGR in jconfig.h, and include the assembly file jmemdosa.asm in the programs. The supplied makefiles and jconfig files for 16-bit MS-DOS compilers already do both.

* jmemmac.c Custom version for Apple Macintosh; see the system-specific notes for Macintosh for more info.

To use a particular memory manager, change the SYSDEPMEM variable in your makefile to equal the corresponding object file name (for example, jmemansi.o or jmemansi.obj for jmemansi.c).

If you have plenty of (real or virtual) main memory, just use jmemnobs.c. "Plenty" means about ten bytes for every pixel in the largest images you plan to process, so a lot of systems don't meet this criterion. If yours doesn't, try jmemansi.c first. If that doesn't compile, you'll have to use jmemname.c; be sure to adjust select_file_name() for local conditions. You may also need to change unlink() to remove() in close_backing_store().

Except with jmemnobs.c or jmemmac.c, you need to adjust the DEFAULT_MAX_MEM setting to a reasonable value for your system (either by adding a #define for DEFAULT_MAX_MEM to jconfig.h, or by adding a -D switch to the Makefile). This value limits the amount of data space the program will attempt to allocate. Code and static data space isn't counted, so the actual memory needs for cjpeg or djpeg are typically 100 to 150Kb more than the max-memory setting. Larger max-memory settings reduce the amount of I/O needed to process a large image, but too large a value can result in "insufficient memory" failures. On most Unix machines (and other systems with virtual memory), just set DEFAULT_MAX_MEM to several million and forget it. At the other end of the spectrum, for MS-DOS machines you probably can't go much above 300K to 400K. (On MS-DOS the value refers to conventional memory only. Extended/expanded memory is handled separately by jmemdos.c.)

BUILDING THE SOFTWARE

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Now you should be able to compile the software. Just say "make" (or whatever's necessary to start the compilation). Have a cup of coffee.

Here are some things that could go wrong:

If your compiler complains about undefined structures, you should be able to shut it up by putting "#define INCOMPLETE_TYPES BROKEN" in jconfig.h.

If you have trouble with missing system include files or inclusion of the
wrong ones, read jinclude.h. This shouldn't happen if you used configure
or ckconfig.c to set up jconfig.h.

There are a fair number of routines that do not use all of their parameters;
some compilers will issue warnings about this, which you can ignore. There
are also a few configuration checks that may give "unreachable code" warnings.
Any other warning deserves investigation.

If you don't have a getenv() library routine, define NO_GETENV.

Also see the system-specific hints, below.

TESTING THE SOFTWARE
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As a quick test of functionality we've included a small sample image in
several forms:
testorig.jpg Starting point for the djpeg tests.
testimg.ppm The output of djpeg testorig.jpg
testimg.bmp The output of djpeg -bmp -colors 256 testorig.jpg
testimg.jpg The output of cjpeg testimg.ppm
testprog.jpg Progressive-mode equivalent of testorig.jpg.
testimgp.jpg The output of cjpeg -progressive -optimize testimg.ppm
(The first- and second-generation .jpg files aren't identical since the
default compression parameters are lossy.) If you can generate duplicates
of the testimg* files then you probably have working programs.

With most of the makefiles, "make test" will perform the necessary
comparisons.

If you're using a makefile that doesn't provide the test option, run djpeg
and cjpeg by hand and compare the output files to testimg* with whatever
binary file comparison tool you have. The files should be bit-for-bit
identical.

If the programs complain "MAX_ALLOC_CHUNK is wrong, please fix", then you
need to reduce MAX_ALLOC_CHUNK to a value that fits in type size_t.
Try adding "#define MAX_ALLOC_CHUNK 65520L" to jconfig.h. A less likely
configuration error is "ALIGN_TYPE is wrong, please fix": defining ALIGN_TYPE
as long should take care of that one.

If the cjpeg test run fails with "Missing Huffman code table entry", it's a
good bet that you needed to define RIGHT_SHIFT_IS_UNSIGNED. Go back to the
configuration step and run ckconfig.c. (This is a good plan for any other
test failure, too.)

If you are using Unix (one-file) command line style on a non-Unix system,
it's a good idea to check that binary I/O through stdin/stdout actually works. You should get the same results from "djeg <testorig.jpg >out.ppm" as from "djeg -outfile out.ppm testorig.jpg". Note that the makefiles all use the latter style and therefore do not exercise stdin/stdout! If this check fails, try recompiling with USE_SETMODE or USE_FDOPEN defined. If it still doesn't work, better use two-file style.

If you chose a memory manager other than jmemnobs.c, you should test that temporary-file usage works. Try "djeg -bmp -colors 256 -max 0 testorig.jpg" and make sure its output matches testimg.bmp. If you have any really large images handy, try compressing them with -optimize and/or decompressing with -colors 256 to make sure your DEFAULT_MAX_MEM setting is not too large.

NOTE: this is far from an exhaustive test of the JPEG software; some modules, such as 1-pass color quantization, are not exercised at all. It's just a quick test to give you some confidence that you haven't missed something major.

INSTALLING THE SOFTWARE
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Once you're done with the above steps, you can install the software by copying the executable files (cjpeg, djeg, jpegtran, rdjpgcom, and wrjpgcom) to wherever you normally install programs. On Unix systems, you'll also want to put the man pages (cjpeg.1, djeg.1, jpegtran.1, rdjpgcom.1, wrjpgcom.1) in the man-page directory. The pre-fab makefiles don't support this step since there's such a wide variety of installation procedures on different systems.

If you generated a Makefile with the "configure" script, you can just say make install to install the programs and their man pages into the standard places. (You'll probably need to be root to do this.) We recommend first saying make -n install to see where configure thought the files should go. You may need to edit the Makefile, particularly if your system's conventions for man page filenames don't match what configure expects.

If you want to install the IJG library itself, for use in compiling other programs besides ours, then you need to put the four include files jpeglib.h jerror.h jconfig.h jmorecfg.h into your include-file directory, and put the library file libjpeg.a (extension may vary depending on system) wherever library files go. If you generated a Makefile with "configure", it will do what it thinks is the right thing if you say make install-lib
OPTIONAL STUFF
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Progress monitor:

If you like, you can define PROGRESS_REPORT (in jconfig.h) to enable display of percent-done progress reports. The routine provided in cdjpeg.c merely prints percentages to stderr, but you can customize it to do something fancier.

Utah RLE file format support:

We distribute the software with support for RLE image files (Utah Raster Toolkit format) disabled, because the RLE support won't compile without the Utah library. If you have URT version 3.1 or later, you can enable RLE support as follows:
1. #define RLE_SUPPORTED in jconfig.h.
2. Add a -I option to CFLAGS in the Makefile for the directory containing the URT .h files (typically the "include" subdirectory of the URT distribution).
3. Add -L... -lrle to LDLIBS in the Makefile, where ... specifies the directory containing the URT "librle.a" file (typically the "lib" subdirectory of the URT distribution).

Support for 9-bit to 12-bit deep pixel data:

The IJG code currently allows 8, 9, 10, 11, or 12 bits sample data precision. (For color, this means 8 to 12 bits per channel, of course.) If you need to work with deeper than 8-bit data, you can compile the IJG code for 9-bit to 12-bit operation.
To do so:
1. In jmorecfg.h, define BITS_IN_JSAMPLE as 9, 10, 11, or 12 rather than 8.
2. In jconfig.h, undefine BMP_SUPPORTED, RLE_SUPPORTED, and TARGA_SUPPORTED, because the code for those formats doesn't handle deeper than 8-bit data and won't even compile. (The PPM code does work, as explained below. The GIF code works too; it scales 8-bit GIF data to and from 12-bit depth automatically.)
3. Compile. Don't expect "make test" to pass, since the supplied test files are for 8-bit data.

Currently, 9-bit to 12-bit support does not work on 16-bit-int machines.

Run-time selection and conversion of data precision are currently not supported and may be added later.
Exception: The transcoding part (jpegtran) supports all settings in a single instance, since it operates on the level of DCT coefficients and not sample values.
The PPM reader (rdppm.c) can read deeper than 8-bit data from either text-format or binary-format PPM and PGM files. Binary-format PPM/PGM files which have a maxval greater than 255 are assumed to use 2 bytes per sample, MSB first (big-endian order). As of early 1995, 2-byte binary format is not officially supported by the PBMPLUS library, but it is expected that a future release of PBMPLUS will support it. Note that the PPM reader will read files of any maxval regardless of the BITS_IN_JSAMPLE setting; incoming data is automatically rescaled to maxval=MAXJSAMPLE as appropriate for the cjpeg bit depth.

The PPM writer (wrppm.c) will normally write 2-byte binary PPM or PGM format, maxval=MAXJSAMPLE, when compiled with BITS_IN_JSAMPLE>8. Since this format is not yet widely supported, you can disable it by compiling wrppm.c with PPM_NORAWWORD defined; then the data is scaled down to 8 bits to make a standard 1-byte/sample PPM or PGM file. (Yes, this means still another copy of djpeg to keep around. But hopefully you won't need it for very long. Poskanzer's supposed to get that new PBMPLUS release out Real Soon Now.)

Of course, if you are working with 9-bit to 12-bit data, you probably have it stored in some other, nonstandard format. In that case you'll probably want to write your own I/O modules to read and write your format.

Note:
The standard Huffman tables are only valid for 8-bit data precision. If you selected more than 8-bit data precision, cjpeg uses arithmetic coding by default. The Huffman encoder normally uses entropy optimization to compute usable tables for higher precision. Otherwise, you'll have to supply different default Huffman tables.

Removing code:

If you need to make a smaller version of the JPEG software, some optional functions can be removed at compile time. See the xxx_SUPPORTED #defines in jconfig.h and jmorecfg.h. If at all possible, we recommend that you leave in decoder support for all valid JPEG files, to ensure that you can read anyone's output. Taking out support for image file formats that you don't use is the most painless way to make the programs smaller. Another possibility is to remove some of the DCT methods: in particular, the "IFAST" method may not be enough faster than the others to be worth keeping on your machine. (If you do remove ISLOW or IFAST, be sure to redefine JDCT_DEFAULT or JDCT_FASTEST to a supported method, by adding a #define in jconfig.h.)

OPTIMIZATION
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Unless you own a Cray, you'll probably be interested in making the JPEG
software go as fast as possible. This section covers some machine-dependent optimizations you may want to try. We suggest that before trying any of this, you first get the basic installation to pass the self-test step. Repeat the self-test after any optimization to make sure that you haven't broken anything.

The integer DCT routines perform a lot of multiplications. These multiplications must yield 32-bit results, but none of their input values are more than 16 bits wide. On many machines, notably the 680x0 and 80x86 CPUs, a 16x16=>32 bit multiply instruction is faster than a full 32x32=>32 bit multiply. Unfortunately there is no portable way to specify such a multiplication in C, but some compilers can generate one when you use the right combination of casts. See the MULTIPLYxxx macro definitions in jdct.h. If your compiler makes "int" be 32 bits and "short" be 16 bits, defining SHORTxSHORT_32 is fairly likely to work. When experimenting with alternate definitions, be sure to test not only whether the code still works (use the self-test), but also whether it is actually faster --- on some compilers, alternate definitions may compute the right answer, yet be slower than the default. Timing cjpeg on a large PGM (grayscale) input file is the best way to check this, as the DCT will be the largest fraction of the runtime in that mode. (Note: some of the distributed compiler-specific jconfig files already contain #define switches to select appropriate MULTIPLYxxx definitions.)

If your machine has sufficiently fast floating point hardware, you may find that the float DCT method is faster than the integer DCT methods, even after tweaking the integer multiply macros. In that case you may want to make the float DCT be the default method. (The only objection to this is that float DCT results may vary slightly across machines.) To do that, add "#define JDCT_DEFAULT JDCT_FLOAT" to jconfig.h. Even if you don't change the default, you should redefine JDCT_FASTEST, which is the method selected by djpeg's -fast switch. Don't forget to update the documentation files (usage.txt and/or cjpeg.1, djpeg.1) to agree with what you've done.

If access to "short" arrays is slow on your machine, it may be a win to define type JCOEF as int rather than short. This will cost a good deal of memory though, particularly in some multi-pass modes, so don't do it unless you have memory to burn and short is REALLY slow.

If your compiler can compile function calls in-line, make sure the INLINE macro in jmorecfg.h is defined as the keyword that marks a function inline-able. Some compilers have a switch that tells the compiler to inline any function it thinks is profitable (e.g., -finline-functions for gcc). Enabling such a switch is likely to make the compiled code bigger but faster.

In general, it's worth trying the maximum optimization level of your compiler, and experimenting with any optional optimizations such as loop unrolling. (Unfortunately, far too many compilers have optimizer bugs ... be prepared to
back off if the code fails self-test.) If you do any experimentation along these lines, please report the optimal settings to jpeg-info@jpegclub.org so we can mention them in future releases. Be sure to specify your machine and compiler version.

HINTS FOR SPECIFIC SYSTEMS
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We welcome reports on changes needed for systems not mentioned here. Submit 'em to jpeg-info@jpegclub.org. Also, if configure or ckconfig.c is wrong about how to configure the JPEG software for your system, please let us know.

Acorn RISC OS:

(Thanks to Simon Middleton for these hints on compiling with Desktop C.)
After renaming the files according to Acorn conventions, take a copy of makefile.ansi, change all occurrences of 'libjpeg.a' to 'libjpeg.o' and change these definitions as indicated:

CFLAGS= -throwback -IC: -Wn
LDLIBS=C:o.Stubs
SYSDEPMEM=jmemansi.o
LN=Link
AR=LibFile -c -o

Also add a new line `.c.o:; $(cc) $< $(cflags) -c -o $@’. Remove the lines '$(RM) libjpeg.o' and '$(AR2) libjpeg.o' and the 'jconfig.h' dependency section.

Copy jconfig.txt to jconfig.h. Edit jconfig.h to define TWO_FILE_COMMANDLINE and CHAR_IS_UNSIGNED.

Run the makefile using !AMU not !Make. If you want to use the 'clean' and 'test' makefile entries then you will have to fiddle with the syntax a bit and rename the test files.

Amiga:

SAS C 6.50 reportedly is too buggy to compile the IJG code properly. A patch to update to 6.51 is available from SAS or AmiNet FTP sites.

The supplied config files are set up to use jmemname.c as the memory manager, with temporary files being created on the device named by "JPEGTMP:".
Atari ST/STE/TT:

Copy the project files makcjpeg.st, makdjpeg.st, maktjpeg.st, and makljpeg.st to cjpeg.prj, djpeg.prj, jpegtran.prj, and libjpeg.prj respectively. The project files should work as-is with Pure C. For Turbo C, change library filenames "pc..." to "tc..." in each project file. Note that libjpeg.prj selects jmemansi.c as the recommended memory manager. You'll probably want to adjust the DEFAULT_MAX_MEM setting --- you want it to be a couple hundred K less than your normal free memory. Put "#define DEFAULT_MAX_MEM nnnn" into jconfig.h to do this.

To use the 68881/68882 coprocessor for the floating point DCT, add the compiler option "-8" to the project files and replace pcfltlib.lib with pc882lib.lib in cjpeg.prj and djpeg.prj. Or if you don't have a coprocessor, you may prefer to remove the float DCT code by undefining DCT_FLOAT_SUPPORTED in jmorecfg.h (since without a coprocessor, the float code will be too slow to be useful). In that case, you can delete pcfltlib.lib from the project files.

Note that you must make libjpeg.lib before making cjpeg.ttp, djpeg.ttp, or jpegtran.ttp. You'll have to perform the self-test by hand.

We haven't bothered to include project files for rdjpgcom and wrjpgcom. Those source files should just be compiled by themselves; they don't depend on the JPEG library. You can use the default.prj project file of the Pure C distribution to make the programs.

There is a bug in some older versions of the Turbo C library which causes the space used by temporary files created with "tmpfile()" not to be freed after an abnormal program exit. If you check your disk afterwards, you will find cluster chains that are allocated but not used by a file. This should not happen in cjpeg/djpeg/jpegtran, since we enable a signal catcher to explicitly close temp files before exiting. But if you use the JPEG library with your own code, be sure to supply a signal catcher, or else use a different system-dependent memory manager.

Cray:

Should you be so fortunate as to be running JPEG on a Cray YMP, there is a compiler bug in old versions of Cray's Standard C (prior to 3.1). If you still have an old compiler, you'll need to insert a line reading
"#pragma novector" just before the loop
for (i = 1; i <= (int) htbl->bits[l]; i++)
    huffsize[p++] = (char) l;
in fix_huff_tbl (in V5beta1, line 204 of jchuff.c and line 176 of jdhuff.c).
[This bug may or may not still occur with the current IJG code, but it's
probably a dead issue anyway...]

HP-UX:

If you have HP-UX 7.05 or later with the "software development" C compiler, you should run the compiler in ANSI mode. If using the configure script, say

```
./configure CC='cc -Aa'
```
(or -Ae if you prefer). If configuring by hand, use makefile.ansi and add "-Aa" to the CFLAGS line in the makefile.

If you have a pre-7.05 system, or if you are using the non-ANSI C compiler delivered with a minimum HP-UX system, then you must use makefile.unix (and do NOT add -Aa); or just run configure without the CC option.

On HP 9000 series 800 machines, the HP C compiler is buggy in revisions prior to A.08.07. If you get complaints about "not a typedef name", you'll have to use makefile.unix, or run configure without the CC option.

Macintosh, generic comments:

The supplied user-interface files (cjpeg.c, djpeg.c, etc) are set up to provide a Unix-style command line interface. You can use this interface on the Mac by means of the ccommand() library routine provided by Metrowerks CodeWarrior or Think C. This is only appropriate for testing the library, however; to make a user-friendly equivalent of cjpeg/djpeg you'd really want to develop a Mac-style user interface. There isn't a complete example available at the moment, but there are some helpful starting points:

1. Sam Bushell's free "To JPEG" applet provides drag-and-drop conversion to JPEG under System 7 and later. This only illustrates how to use the compression half of the library, but it does a very nice job of that part. The CodeWarrior source code is available from http://www.pobox.com/~jsam.
2. Jim Brunner prepared a Mac-style user interface for both compression and decompression. Unfortunately, it hasn't been updated since IJG v4, and the library's API has changed considerably since then. Still it may be of some help, particularly as a guide to compiling the IJG code under Think C. Jim's code is available from the Info-Mac archives, at sumex-aim.stanford.edu or mirrors thereof; see file /info-mac/dev/src/jpeg-convert-c.hqx.

jmemmac.c is the recommended memory manager back end for Macintosh. It uses NewPtr/DisposePtr instead of malloc/free, and has a Mac-specific implementation of jpeg_mem_available(). It also creates temporary files that follow Mac conventions. (That part of the code relies on System-7-or-later OS functions. See the comments in jmemmac.c if you need to run it on System 6.) NOTE that USE_MAC_MEMMGR must be defined in jconfig.h to use jmemmac.c.
You can also use jmemnobs.c, if you don't care about handling images larger than available memory. If you use any memory manager back end other than jmemmac.c, we recommend replacing "malloc" and "free" by "NewPtr" and "DisposePtr", because Mac C libraries often have peculiar implementations of malloc/free. (For instance, free() may not return the freed space to the Mac Memory Manager. This is undesirable for the IJG code because jmemmgr.c already clumps space requests.)

Macintosh, Metrowerks CodeWarrior:

The Unix-command-line-style interface can be used by defining USE_CCOMMAND. You'll also need to define TWO_FILE_COMMANDLINE to avoid stdin/stdout. This means that when using the cjpeg/djpeg programs, you'll have to type the input and output file names in the "Arguments" text-edit box, rather than using the file radio buttons. (Perhaps USE_FDOPEN or USE_SETMODE would eliminate the problem, but I haven't heard from anyone who's tried it.)

On 680x0 Macs, Metrowerks defines type "double" as a 10-byte IEEE extended float. jmemmgr.c won't like this: it wants sizeof(ALIGN_TYPE) to be a power of 2. Add "#define ALIGN_TYPE long" to jconfig.h to eliminate the complaint.

The supplied configuration file jconfig.mac can be used for your jconfig.h; it includes all the recommended symbol definitions. If you have AppleScript installed, you can run the supplied script makeproj.mac to create CodeWarrior project files for the library and the testbed applications, then build the library and applications. (Thanks to Dan Sears and Don Agro for this nifty hack, which saves us from trying to maintain CodeWarrior project files as part of the IJG distribution...)

Macintosh, Think C:

The documentation in Jim Brunner's "JPEG Convert" source code (see above) includes detailed build instructions for Think C; it's probably somewhat out of date for the current release, but may be helpful.

If you want to build the minimal command line version, proceed as follows. You'll have to prepare project files for the programs; we don't include any in the distribution since they are not text files. Use the file lists in any of the supplied makefiles as a guide. Also add the ANSI and Unix C libraries in a separate segment. You may need to divide the JPEG files into more than one segment; we recommend dividing compression and decompression modules. Define USE_CCOMMAND in jconfig.h so that the ccommand() routine is called. You must also define TWO_FILE_COMMANDLINE because stdin/stdout don't handle binary data correctly.

On 680x0 Macs, Think C defines type "double" as a 12-byte IEEE extended float.
jmemmgr.c won't like this: it wants sizeof(ALIGN_TYPE) to be a power of 2. Add "#define ALIGN_TYPE long" to jconfig.h to eliminate the complaint.

jconfig.mac should work as a jconfig.h configuration file for Think C, but the makeproj.mac AppleScript script is specific to CodeWarrior. Sorry.

MIPS R3000:

MIPS's cc version 1.31 has a rather nasty optimization bug. Don't use -O if you have that compiler version. (Use "cc -V" to check the version.)

Note that the R3000 chip is found in workstations from DEC and others.

MS-DOS, generic comments for 16-bit compilers:

The IJG code is designed to work well in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"); code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model, and you should avoid "huge" model if at all possible. Be sure that NEED_FAR_POINTERS is defined in jconfig.h if you use a small-data memory model; be sure it is NOT defined if you use a large-data model. (The supplied makefiles and jconfig files for Borland and Microsoft C compile in medium model and define NEED_FAR_POINTERS.)

The DOS-specific memory manager, jmemdos.c, should be used if possible. It needs some assembly-code routines which are in jmemdosa.asm; make sure your makefile assembles that file and includes it in the library. If you don't have a suitable assembler, you can get pre-assembled object files for jmemdosa by FTP from ftp.uu.net:/graphics/jpeg/jdosaobj.zip. (DOS-oriented distributions of the IJG source code often include these object files.)

When using jmemdos.c, jconfig.h must define USE_MSDOS_MEMMGR and must set MAX_ALLOC_CHUNK to less than 64K (65520L is a typical value). If your C library's far-heap malloc() can't allocate blocks that large, reduce MAX_ALLOC_CHUNK to whatever it can handle.

If you can't use jmemdos.c for some reason --- for example, because you don't have an assembler to assemble jmemdosa.asm --- you'll have to fall back to jmemansi.c or jmemname.c. You'll probably still need to set MAX_ALLOC_CHUNK in jconfig.h, because most DOS C libraries won't malloc() more than 64K at a time. IMPORTANT: if you use jmemansi.c or jmemname.c, you will have to compile in a large-data memory model in order to get the right stdio library. Too bad.
wrjpgcom needs to be compiled in large model, because it malloc()s a 64KB work area to hold the comment text. If your C library's malloc can't handle that, reduce MAX_COM_LENGTH as necessary in wrjpgcom.c.

Most MS-DOS compilers treat stdin/stdout as text files, so you must use two-file command line style. But if your compiler has either fdopen() or setmode(), you can use one-file style if you like. To do this, define USE_SETMODE or USE_FDOPEN so that stdin/stdout will be set to binary mode. (USE_SETMODE seems to work with more DOS compilers than USE_FDOPEN.) You should test that I/O through stdin/stdout produces the same results as I/O to explicitly named files... the "make test" procedures in the supplied makefiles do NOT use stdin/stdout.

MS-DOS, generic comments for 32-bit compilers:

None of the above comments about memory models apply if you are using a 32-bit flat-memory-space environment, such as DJGPP or Watcom C. (And you should use one if you have it, as performance will be much better than 8086-compatible code!) For flat-memory-space compilers, do NOT define NEED_FAR_POINTERS, and do NOT use jmemdos.c. Use jmemnobs.c if the environment supplies adequate virtual memory, otherwise use jmemansi.c or jmemname.c.

You'll still need to be careful about binary I/O through stdin/stdout. See the last paragraph of the previous section.

MS-DOS, Borland C:

Be sure to convert all the source files to DOS text format (CR/LF newlines). Although Borland C will often work OK with unmodified Unix (LF newlines) source files, sometimes it will give bogus compile errors. "Illegal character '#'" is the most common such error. (This is true with Borland C 3.1, but perhaps is fixed in newer releases.)

If you want one-file command line style, just undefine TWO_FILE_COMMANDLINE. jconfig.bcc already includes #define USE_SETMODE to make this work. (fdopen does not work correctly.)

MS-DOS, Microsoft C:

makefile.mc6 works with Microsoft C, DOS Visual C++, etc. It should only be used if you want to build a 16-bit (small or medium memory model) program.

If you want one-file command line style, just undefine TWO_FILE_COMMANDLINE. jconfig.mc6 already includes #define USE_SETMODE to make this work.
(fdopen does not work correctly.)

Note that this makefile assumes that the working copy of itself is called "makefile". If you want to call it something else, say "makefile.mak", be sure to adjust the dependency line that reads "$(RFILE) : makefile". Otherwise the make will fail because it doesn't know how to create "makefile". Worse, some releases of Microsoft's make utilities give an incorrect error message in this situation.

Old versions of MS C fail with an "out of macro expansion space" error because they can't cope with the macro TRACEMS8 (defined in jerror.h). If this happens to you, the easiest solution is to change TRACEMS8 to expand to nothing. You'll lose the ability to dump out JPEG coefficient tables with djpeg -debug -debug, but at least you can compile.

Original MS C 6.0 is very buggy; it compiles incorrect code unless you turn off optimization entirely (remove -O from CFLAGS). 6.00A is better, but it still generates bad code if you enable loop optimizations (-Ol or -Ox).

MS C 8.0 crashes when compiling jquant1.c with optimization switch /Oo ... which is on by default. To work around this bug, compile that one file with /Oo-.

Microsoft Windows (all versions), generic comments:

Some Windows system include files define typedef boolean as "unsigned char". The IJG code also defines typedef boolean, but we make it an "enum" by default. This doesn't affect the IJG programs because we don't import those Windows include files. But if you use the JPEG library in your own program, and some of your program's files import one definition of boolean while some import the other, you can get all sorts of mysterious problems. A good preventive step is to make the IJG library use "unsigned char" for boolean. To do that, add something like this to your jconfig.h file:

/* Define "boolean" as unsigned char, not enum, per Windows custom */
#define typedef __RPCNDR_H__/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define FALSE/* in case these macros already exist */
#define FALSE0/* values of boolean */
#endif
#define TRUE
#define TRUE1
#endif
#define HAVE_BOOLEAN/* prevent jmorecfg.h from redefining it */
(This is already in jconfig.vc, by the way.)

windef.h contains the declarations
#define far
#define FAR far
Since jmorecfg.h tries to define FAR as empty, you may get a compiler
warning if you include both jpeglib.h and windef.h (which windows.h
includes).  To suppress the warning, you can put "#ifndef FAR"/#endif"
around the line "#define FAR" in jmorecfg.h.
(Something like this is already in jmorecfg.h, by the way.)

When using the library in a Windows application, you will almost certainly
want to modify or replace the error handler module jerror.c, since our
default error handler does a couple of inappropriate things:
1. it tries to write error and warning messages on stderr;
2. in event of a fatal error, it exits by calling exit().

A simple stopgap solution for problem 1 is to replace the line
fprintf(stderr, "%s\n", buffer);
(in output_message in jerror.c) with
MessageBox(GetActiveWindow(),buffer,"JPEG Error",MB_OK|MB_ICONERROR);
It's highly recommended that you at least do that much, since otherwise
error messages will disappear into nowhere.  (Beginning with IJG v6b, this
code is already present in jerror.c; just define USE_WINDOWS_MESSAGEBOX in
jconfig.h to enable it.)

The proper solution for problem 2 is to return control to your calling
application after a library error.  This can be done with the setjmp/longjmp
technique discussed in libjpeg.txt and illustrated in example.c.  (NOTE:
some older Windows C compilers provide versions of setjmp/longjmp that
don't actually work under Windows.  You may need to use the Windows system
functions Catch and Throw instead.)

The recommended memory manager under Windows is jmemnobs.c; in other words,
let Windows do any virtual memory management needed.  You should NOT use
jmemdos.c nor jmemdosa.asm under Windows.

For Windows 3.1, we recommend compiling in medium or large memory model;
for newer Windows versions, use a 32-bit flat memory model.  (See the MS-DOS
sections above for more info about memory models.)  In the 16-bit memory
models only, you'll need to put
#define MAX_ALLOC_CHUNK 65520L/* Maximum request to malloc() */
into jconfig.h to limit allocation chunks to 64Kb.  (Without that, you'd
have to use huge memory model, which slows things down unnecessarily.)
jmemnobs.c works without modification in large or flat memory models, but to
use medium model, you need to modify its jpeg_get_large and jpeg_free_large
routines to allocate far memory.  In any case, you might like to replace
its calls to malloc and free with direct calls on Windows memory allocation
functions.

You may also want to modify jdatasrc.c and jdatadst.c to use Windows file
operations rather than fread/fwrite. This is only necessary if your C compiler doesn't provide a competent implementation of C stdio functions.

You might want to tweak the RGB_xxx macros in jmorecfg.h so that the library will accept or deliver color pixels in BGR sample order, not RGB; BGR order is usually more convenient under Windows. Note that this change will break the sample applications cjpeg/djpeg, but the library itself works fine.

Many people want to convert the IJG library into a DLL. This is reasonably straightforward, but watch out for the following:

1. Don't try to compile as a DLL in small or medium memory model; use large model, or even better, 32-bit flat model. Many places in the IJG code assume the address of a local variable is an ordinary (not FAR) pointer; that isn't true in a medium-model DLL.

2. Microsoft C cannot pass file pointers between applications and DLLs. (See Microsoft Knowledge Base, PSS ID Number Q50336.) So jdatasrc.c and jdatadst.c don't work if you open a file in your application and then pass the pointer to the DLL. One workaround is to make jdatasrc.c/jdatadst.c part of your main application rather than part of the DLL.

3. You'll probably need to modify the macros GLOBAL() and EXTERN() to attach suitable linkage keywords to the exported routine names. Similarly, you'll want to modify METHODDEF() and JMETHOD() to ensure function pointers are declared in a way that lets application routines be called back through the function pointers. These macros are in jmorecfg.h. Typical definitions for a 16-bit DLL are:

   #define GLOBAL(type) type _far _pascal _loadds _export
   #define EXTERN(type) extern type _far _pascal _loadds
   #define METHODDEF(type) static type _far _pascal
   #define JMETHOD(type,methodname,arglist)  \
       type (_far _pascal *methodname) arglist

   For a 32-bit DLL you may want something like

   #define GLOBAL(type) __declspec(dllexport) type
   #define EXTERN(type) extern __declspec(dllexport) type

   Although not all the GLOBAL routines are actually intended to be called by the application, the performance cost of making them all DLL entry points is negligible.

The unmodified IJG library presents a very C-specific application interface, so the resulting DLL is only usable from C or C++ applications. There has been some talk of writing wrapper code that would present a simpler interface usable from other languages, such as Visual Basic. This is on our to-do list but hasn't been very high priority --- any volunteers out there?
Microsoft Windows, Borland C:

The provided jconfig.bcc should work OK in a 32-bit Windows environment, but you'll need to tweak it in a 16-bit environment (you'd need to define NEED_FAR_POINTERS and MAX_ALLOC_CHUNK). Beware that makefile.bcc will need alteration if you want to use it for Windows --- in particular, you should use jmennobs.c not jmemdos.c under Windows.

Borland C++ 4.5 fails with an internal compiler error when trying to compile jdmerge.c in 32-bit mode. If enough people complain, perhaps Borland will fix it. In the meantime, the simplest known workaround is to add a redundant definition of the variable range_limit in h2v1_merged_upsample(), at the head of the block that handles odd image width (about line 268 in v6 jdmerge.c):

/* If image width is odd, do the last output column separately */
if (cinfo->output_width & 1) {
   register JSAMPLE * range_limit = cinfo->sample_range_limit; /* ADD THIS */
   cb = GETJSAMPLE(*inptr1);
}

Pretty bizarre, especially since the very similar routine h2v2_merged_upsample doesn't trigger the bug.
Recent reports suggest that this bug does not occur with "bcc32a" (the Pentium-optimized version of the compiler).

Another report from a user of Borland C 4.5 was that incorrect code (leading to a color shift in processed images) was produced if any of the following optimization switch combinations were used:
-Ot -Og
-Ot -Op
-Ot -Om

So try backing off on optimization if you see such a problem. (Are there several different releases all numbered "4.5"?)

Microsoft Windows, Microsoft Visual C++:

jconfig.vc should work OK with any Microsoft compiler for a 32-bit memory model. makefile.vc is intended for command-line use. (If you are using the Developer Studio environment, you may prefer the DevStudio project files; see below.)

IJG JPEG 7 adds extern "C" to jpeglib.h. This avoids the need to put extern "C" [...] around #include "jpeglib.h" in your C++ application. You can also force VC++ to treat the library as C++ code by renaming all the *.c files to *.cpp (and adjusting the makefile to match).
In this case you also need to define the symbol DONT_USE_EXTERN_C in the configuration to prevent jpeglib.h from using extern "C".

Microsoft Windows, Microsoft Visual C++ 6 Developer Studio:
We include makefiles that should work as project files in DevStudio 6.0 or later. There is a library makefile that builds the IJG library as a static Win32 library, and application makefiles that build the sample applications as Win32 console applications. (Even if you only want the library, we recommend building the applications so that you can run the self-test.)

To use:
1. Open the command prompt, change to the main directory and execute the command line
   NMAKE /f makefile.vc setup-vc6
   This will move jconfig.vc to jconfig.h and makefiles to project files. (Note that the renaming is critical!)
2. Open the workspace file jpeg.dsw, build the library project. (If you are using DevStudio more recent than 6.0, you'll probably get a message saying that the project files are being updated.)
3. Open the workspace file apps.dsw, build the application projects.
4. To perform the self-test, execute the command line
   NMAKE /f makefile.vc test-build
5. Move the application .exe files from `app`\Release to an appropriate location on your path.

Microsoft Windows, Microsoft Visual C++ 2010 Developer Studio (v10):

We include makefiles that should work as project files in Visual Studio 2010 or later. There is a library makefile that builds the IJG library as a static Win32 library, and application makefiles that build the sample applications as Win32 console applications. (Even if you only want the library, we recommend building the applications so that you can run the self-test.)

To use:
1. Open the command prompt, change to the main directory and execute the command line
   NMAKE /f makefile.vc setup-v10
   This will move jconfig.vc to jconfig.h and makefiles to project files. (Note that the renaming is critical!)
2. Open the solution file jpeg.sln, build the library project. (If you are using Visual Studio more recent than 2010 (v10), you'll probably get a message saying that the project files are being updated.)
3. Open the solution file apps.sln, build the application projects.
4. To perform the self-test, execute the command line
   NMAKE /f makefile.vc test-build
5. Move the application .exe files from `app`\Release to an appropriate location on your path.

Note:
There seems to be an optimization bug in the compiler which causes the self-test to fail with the color quantization option. We have disabled optimization for the file jquant2.c in the library project file which causes the self-test to pass properly.

OS/2, Borland C++:

Watch out for optimization bugs in older Borland compilers; you may need to back off the optimization switch settings. See the comments in makefile.bcc.

SGI:

On some SGI systems, you may need to set "AR2= ar -ts" in the Makefile. If you are using configure, you can do this by saying

```
./configure RANLIB='ar -ts'
```

This change is not needed on all SGIs. Use it only if the make fails at the stage of linking the completed programs.

On the MIPS R4000 architecture (Indy, etc.), the compiler option "-mips2" reportedly speeds up the float DCT method substantially, enough to make it faster than the default int method (but still slower than the fast int method). If you use -mips2, you may want to alter the default DCT method to be float. To do this, put "#define JDCT_DEFAULT JDCT_FLOAT" in jconfig.h.

VMS:

On an Alpha/VMS system with MMS, be sure to use the "'/Marco=Alpha=1" qualifier with MMS when building the JPEG package.

VAX/VMS v5.5-1 may have problems with the test step of the build procedure reporting differences when it compares the original and test images. If the error points to the last block of the files, it is most likely bogus and may be safely ignored. It seems to be because the files are Stream_LF and Backup/Compare has difficulty with the (presumably) null padded files. This problem was not observed on VAX/VMS v6.1 or AXP/VMS v6.1.

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/install.txt

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

/*
 * wrbmp.c
 */
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in Microsoft "BMP"
* format (MS Windows 3.x and OS/2 1.x flavors).
* Either 8-bit colormapped or 24-bit full-color format can be written.
* No compression is supported.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
*/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/wrbmp.c

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

/*
 * jdarith.c
 *
 * Developed 1997-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy decoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

Found in path(s):
*/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jdarith.c

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

/*
 * jdct.h
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */
* This include file contains common declarations for the forward and
* inverse DCT modules. These declarations are private to the DCT managers
* (jcdctmgr.c, jddctmgr.c) and the individual DCT algorithms.
* The individual DCT algorithms are kept in separate files to ease
* machine-dependent tuning (e.g., assembly coding).
*/

Found in path(s):
/ opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdct.h
No license file was found, but licenses were detected in source scan.

/
* jcomapi.c
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface routines that are used for both
* compression and decompression.
*/

Found in path(s):
/ opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jcomapi.c
No license file was found, but licenses were detected in source scan.

/
* rdcolmap.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file implements djpeg's "-map file" switch. It reads a source image
* and constructs a colormap to be supplied to the JPEG decompressor.
*
* Currently, these file formats are supported for the map file:
* GIF: the contents of the GIF's global colormap are used.
* PPM (either text or raw flavor): the entire file is read and
* each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
*
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
/* currently implemented.
*/

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided “as is” without express or
** implied warranty.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/rdcolmap.c
No license file was found, but licenses were detected in source scan.

/*
* jcmainct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG
* compressor proper; it holds downsampled data in the JPEG colorspace.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jcmainct.c
No license file was found, but licenses were detected in source scan.

/*
* jquant1.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2011 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains 1-pass color quantization (color mapping) routines.
* These routines provide mapping to a fixed color map using equally spaced
* color values. Optional Floyd-Steinberg or ordered dithering is available.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains the decompression postprocessing controller.
This controller manages the upsampling, color conversion, and color
quantization/reduction steps; specifically, it controls the buffering
between upsampling/color conversion and color quantization/reduction.

If no color quantization/reduction is required, then this module has no
work to do, and it just hands off to the upsampling/color conversion code.
An integrated upsample/convert/quantize process would replace this module
entirely.

/*

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

*/

wrtarga.c

/* Copyright (C) 1991-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains routines to write output images in Targa format.

These routines may need modification for non-Unix environments or
specialized applications. As they stand, they assume output to
an ordinary stdio stream.

Based on code contributed by Lee Daniel Crocker.
*/

wrtarga.c

/* Copyright (C) 1991-1994, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.
*/

/*

ckconfig.c

*/
IJG JPEG LIBRARY: FILE LIST

Copyright (C) 1994-2013, Thomas G. Lane, Guido Vollbeding. This file is part of the Independent JPEG Group's software. For conditions of distribution and use, see the accompanying README file.

Here is a road map to the files in the IJG JPEG distribution. The distribution includes the JPEG library proper, plus two application programs ("cjpeg" and "djpeg") which use the library to convert JPEG files to and from some other popular image formats. A third application "jpegtran" uses the library to do lossless conversion between different variants of JPEG. There are also two stand-alone applications, "rdjpgcom" and "wrjpgcom".

THE JPEG LIBRARY
================

Include files:

jpeglib.h JPEG library's exported data and function declarations.
jconfig.h Configuration declarations. Note: this file is not present in the distribution; it is generated during installation.
jmorecfg.h Additional configuration declarations; need not be changed for a standard installation.
jerror.h Declares JPEG library's error and trace message codes.
jinclude.h Central include file used by all IJG .c files to reference system include files.
jpegin.h JPEG library's internal data structures.
jdct.h Private declarations for forward & reverse DCT subsystems.
jmemsys.h Private declarations for memory management subsystem.
jversion.h Version information.

Applications using the library should include jpeglib.h (which in turn includes jconfig.h and jmorecfg.h). Optionally, jerror.h may be included if the application needs to reference individual JPEG error codes. The other include files are intended for internal use and would not normally be included by an application program. (cjpeg/djpege etc do use jinclude.h, since its function is to improve portability of the whole IJG distribution. Most other applications will directly include the system include files they want, and hence won't need jinclude.h.)
C source code files:

These files contain most of the functions intended to be called directly by an application program:

- **jcapimin.c**: Application program interface: core routines for compression.
- **jcapistd.c**: Application program interface: standard compression.
- **jdapimin.c**: Application program interface: core routines for decompression.
- **jdapistd.c**: Application program interface: standard decompression.
- **jcomapi.c**: Application program interface routines common to compression and decompression.
- **jcpbram.c**: Compression parameter setting helper routines.
- **jctrans.c**: API and library routines for transcoding compression.
- **jdtrans.c**: API and library routines for transcoding decompression.

Compression side of the library:

- **jcinit.c**: Initialization: determines which other modules to use.
- **jcmaster.c**: Master control: setup and inter-pass sequencing logic.
- **jcmaint.c**: Main buffer controller (preprocessor => JPEG compressor).
- **jcpbrpct.c**: Preprocessor buffer controller.
- **jccoefct.c**: Buffer controller for DCT coefficient buffer.
- **jccolor.c**: Color space conversion.
- **jcsample.c**: Downsampling.
- **jdctmgr.c**: DCT manager (DCT implementation selection & control).
- **jdfctint.c**: Forward DCT using slow-but-accurate integer method.
- **jdfctfst.c**: Forward DCT using faster, less accurate integer method.
- **jdfcftlt.c**: Forward DCT using floating-point arithmetic.
- **jchuff.c**: Huffman entropy coding.
- **jcarith.c**: Arithmetic entropy coding.
- **jcmarker.c**: JPEG marker writing.
- **jdatadst.c**: Data destination managers for memory and stdio output.

Decompression side of the library:

- **jdmaster.c**: Master control: determines which other modules to use.
- **jdinput.c**: Input controller: controls input processing modules.
- **jdmainct.c**: Main buffer controller (JPEG decompressor => postprocessor).
- **jdcoefct.c**: Buffer controller for DCT coefficient buffer.
- **jdpostct.c**: Postprocessor buffer controller.
- **jdmaster.c**: JPEG marker reading.
- **jdhuff.c**: Huffman entropy decoding.
- **jdarith.c**: Arithmetic entropy decoding.
- **jddctmgr.c**: IDCT manager (IDCT implementation selection & control).
- **jidctint.c**: Inverse DCT using slow-but-accurate integer method.
- **jidctfst.c**: Inverse DCT using faster, less accurate integer method.
- **jidctflit.c**: Inverse DCT using floating-point arithmetic.
jdsample.c: Upsampling.
jdcolor.c: Color space conversion.
jdmerge.c: Merged upsampling/color conversion (faster, lower quality).
jqquant1.c: One-pass color quantization using a fixed-spacing colormap.
jqquant2.c: Two-pass color quantization using a custom-generated colormap.
Also handles one-pass quantization to an externally given map.
jdatsrc.c: Data source managers for memory and stdio input.

Support files for both compression and decompression:

jaricom.c: Tables for common use in arithmetic entropy encoding and decoding routines.
jeror.c: Standard error handling routines (application replaceable).
jnmemmgr.c: System-independent (more or less) memory management code.
jutils.c: Miscellaneous utility routines.

jnmemmgr.c relies on a system-dependent memory management module. The IJG distribution includes the following implementations of the system-dependent module:

jnmemnobs.c: "No backing store": assumes adequate virtual memory exists.
jnmemansi.c: Makes temporary files with ANSI-standard routine tmpfile().
jnmemname.c: Makes temporary files with program-generated file names.
jnmemdos.c: Custom implementation for MS-DOS (16-bit environment only); can use extended and expanded memory as well as temp files.
jnmemmac.c: Custom implementation for Apple Macintosh.

Exactly one of the system-dependent modules should be configured into an installed JPEG library (see install.txt for hints about which one to use). On unusual systems you may find it worthwhile to make a special system-dependent memory manager.

Non-C source code files:

jnmemdosa.asm: 80x86 assembly code support for jnmemdos.c; used only in MS-DOS-specific configurations of the JPEG library.

CJPEG/DJPEG/JPEGTRAN
=====================

Include files:

cdjpeg.h: Declarations shared by cjpe/djpeg/jpegtran modules.
cerror.h: Additional error and trace message codes for cjpe et al.
transupp.h: Declarations for jpegtran support routines in transupp.c.
C source code files:

cjpeg.c Main program for cjpeg.
djpeg.c Main program for djpeg.
jpegtan.c Main program for jpegtran.
cdjpeg.c Utility routines used by all three programs.
rdcolmap.c Code to read a colormap file for djpeg's "-map" switch.
rdsswitch.c Code to process some of cjpeg's more complex switches.
Also used by jpegtran.
transupp.c Support code for jpegtran: lossless image manipulations.

Image file reader modules for cjpeg:

rdbmp.c BMP file input.
rdgif.c GIF file input (now just a stub).
rddppm.c PPM/PGM file input.
rddrlle.c Utah RLE file input.
rddtarga.c Targa file input.

Image file writer modules for djpeg:

wrbmp.c BMP file output.
wrgif.c GIF file output (a mere shadow of its former self).
wrppm.c PPM/PGM file output.
wrdrle.c Utah RLE file output.
wrtdtarga.c Targa file output.

RDJPGCOM/WRJPGCOM

C source code files:

rdjpgcom.c Stand-alone rdjpgcom application.
wrjpgcom.c Stand-alone wrjpgcom application.

These programs do not depend on the IJG library. They do use jconfig.h and jinclude.h, only to improve portability.

ADDITIONAL FILES

Documentation (see README for a guide to the documentation files):

README Master documentation file.
*.txt Other documentation files.
*.1 Documentation in Unix man page format.
change.log

Version-to-version change highlights.

example.c

Sample code for calling JPEG library.

Configuration/installation files and programs (see install.txt for more info):

configure

Unix shell script to perform automatic configuration.

configure.ac

Source file for use with Autoconf to generate configure.

ltmain.sh

Support scripts for configure (from GNU libtool).

config.guess

config.sub

depcomp

missing

ar-lib

compile

install-sh

Install shell script for those Unix systems lacking one.

Makefile.in

Makefile input for configure.

Makefile.am

Source file for use with Automake to generate Makefile.in.

ckconfig.c

Program to generate jconfig.h on non-Unix systems.

jconfig.txt

Template for making jconfig.h by hand.

mak*.*

Sample makefiles for particular systems.

jconfig.*

Sample jconfig.h for particular systems.

libjpeg.map

Script to generate shared library with versioned symbols.

aclocal.m4

M4 macro definitions for use with Autoconf.

Test files (see install.txt for test procedure):

test*.*

Source and comparison files for confidence test.

These are binary image files, NOT text files.

Found in path(s):

*/

*rdswitch.c

*rdswitch.c

* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to process some of cjpeg's more complicated
* command-line switches. Switches processed here are:
* -qtables file Read quantization tables from text file
* -scans file Read scan script from text file
* -quality N,[N,...] Set quality ratings
* -qslots N,[N,...] Set component quantization table selectors
* -sample HxV,[HxV,...] Set component sampling factors
Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/rdswitch.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 *
 * Copyright (C) 1995-2013, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for JPEG transcoding.
 * It is very similar to cjpeg.c, and partly to djpeg.c, but provides
 * lossless transcoding between different JPEG file formats. It also
 * provides some lossless and sort-of-lossless transformations of JPEG data.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jpegtran.c
No license file was found, but licenses were detected in source scan.

/*
 * jfdctflt.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * This implementation should be more accurate than either of the integer
 * DCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jfdctflt.c
No license file was found, but licenses were detected in source scan.

/*
* jdinput.c
* 
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2002-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains input control logic for the JPEG decompressor.
* These routines are concerned with controlling the decompressor's input
* processing (marker reading and coefficient decoding). The actual input
* reading is done in jdmarker.c, jdhuff.c, and jdarith.c.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jdinput.c
No license file was found, but licenses were detected in source scan.

/*
* jddctmgr.c
* 
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.
*
* Note that the IDCT routines are responsible for performing coefficient
dequantization as well as the IDCT proper. This module sets up the
dequantization multiplier table needed by the IDCT routine.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * Modified 2009-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to
 * customize the JPEG software for a particular system.
 *
 * The actual configuration options for a particular installation are stored
 * in jconfig.h. On many machines, jconfig.h can be generated automatically
 * or copied from one of the "canned" jconfig files that we supply. But if
 * you need to generate a jconfig.h file by hand, this file tells you how.
 *
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
 * EDIT A COPY NAMED JCONFIG.H.
 */

/*
 * These symbols indicate the properties of your machine or compiler.
 * #define the symbol if yes, #undef it if no.
 */

/* Does your compiler support function prototypes?
 * (If not, you also need to use ansi2knr, see install.txt)
 */
define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char" ?
 * How about "unsigned short" ?
 */
define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void.
 * NOTE: be sure to define void such that "void *" represents the most general
 * pointer type, e.g., that returned by malloc().
 */
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword.
 */
/* #define const */

/* Define this if an ordinary "char" type is unsigned.
 * If you're not sure, leaving it undefined will work at some cost in speed.
 * If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
 */
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
 */
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
 */
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
 * but does have a BSD-style <strings.h>.
 */
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
 * ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
 * <sys/types.h> instead.
 */
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
 * unless you are using a large-data memory model or 80386 flat-memory mode.
 * On less brain-damaged CPUs this symbol must not be defined.
 * (Defining this symbol causes large data structures to be referenced through
 * "far" pointers and to be allocated with a special version of malloc.)
 */
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
 * than the first 15 characters.
 */
/* Although a real ANSI C compiler can deal perfectly well with pointers to *
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI *
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy, *
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you *
* actually get "missing structure definition" warnings or errors while *
* compiling the JPEG code. */

/* Define "boolean" as unsigned char, not enum, on Windows systems. */

#ifndef _WIN32
#endif

/* The following options affect code selection within the JPEG library, *
* but they don't need to be visible to applications using the library. *
* To minimize application namespace pollution, the symbols won't be *
* defined unless JPEG_INTERNALS has been defined. */

#ifndef JPEG_INTERNALS
#endif

/* Define this if your compiler implements ">>,~) on signed values as a logical *
* (unsigned) shift; leave it undefined if ">>,~) is a signed (arithmetic) shift, *
* which is the normal and rational definition. */

#ifndef RIGHT_SHIFT_IS_UNSIGNED
#endif

/* The remaining options do not affect the JPEG library proper, */
* but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
* Other applications can ignore these.
*/
#endif JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */
#define BMP_SUPPORTED	/* BMP image file format */
#define GIF_SUPPORTED	/* GIF image file format */
#define PPM_SUPPORTED	/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED	/* Utah RLE image file format */
#define TARGA_SUPPORTED	/* Targa image file format */

/* Define this if you want to name both input and output files on the command line, rather than using stdin and optionally stdout. You MUST do this if your system can't cope with binary I/O to stdin/stdout. See comments at head of cjpeg.c or djpeg.c. */
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files. This is crucial under MS-DOS, where the temporary "files" may be areas of extended memory; on most other systems it's not as important. */
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb"). This is necessary on systems that distinguish text files from binary files, and is harmless on most systems that don't. If you have one of the rare systems that complains about the "b" spec, define this symbol. */
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg. */
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jconfig.txt
No license file was found, but licenses were detected in source scan.

/*
 * transupp.h
* Copyright (C) 1997-2013, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains declarations for image transformation routines and
* other utility code used by the jpegtran sample application. These are
* NOT part of the core JPEG library. But we keep these routines separate
* from jpegtran.c to ease the task of maintaining jpegtran-like programs
* that have other user interfaces.
*
* NOTE: all the routines declared here have very specific requirements
* about when they are to be executed during the reading and writing of the
* source and destination files. See the comments in transupp.c, or see
* jpegtran.c for an example of correct usage.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/transupp.h
No license file was found, but licenses were detected in source scan.

/*
 * wrppm.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/wrppm.c
No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.c
 *
Copyright (C) 1991-1997, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains common support routines used by the IJG application
programs (cjpeg, djpeg, jpegtran).

Found in path(s):
/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/cdjpeg.c
No license file was found, but licenses were detected in source scan.

Copyright (C) 1992-1997, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

jmemmac.c provides an Apple Macintosh implementation of the system-
dependent portion of the JPEG memory manager.
If you use jmemmac.c, then you must define USE_MAC_MEMMGR in the
JPEG_INTERNALS part of jconfig.h.

jmemmac.c uses the Macintosh toolbox routines NewPtr and DisposePtr
instead of malloc and free. It accurately determines the amount of
memory available by using CompactMem. Notice that if left to its
own devices, this code can chew up all available space in the
application's zone, with the exception of the rather small "slop"
factor computed in jpeg_mem_available(). The application can ensure
that more space is left over by reducing max_memory_to_use.

Large images are swapped to disk using temporary files and System 7.0+'s
temporary folder functionality.

Note that jmemmac.c depends on two features of MacOS that were first
introduced in System 7: FindFolder and the FSSpec-based calls.
If your application uses jmemmac.c and is run under System 6 or earlier,
and the jpeg library decides it needs a temporary file, it will abort,
printing error messages about requiring System 7. (If no temporary files
are created, it will run fine.)

If you want to use jmemmac.c in an application that might be used with
System 6 or earlier, then you should remove dependencies on FindFolder
and the FSSpec calls. You will need to replace FindFolder with some
other mechanism for finding a place to put temporary files, and you
* should replace the FSSpec calls with their HFS equivalents:
*     FSpDelete -> HDelete
*     FSpGetFInfo -> HGetFInfo
*     FSpCreate -> HCreate
*     FSpOpenDF -> HOpen *** Note: not HOpenDF ***
*     FSMakeFSSpec -> (fill in spec by hand.)
*
* (Use HOpen instead of HOpenDF. HOpen is just a glue-interface to PBHOpen,
* which is on all HFS macs. HOpenDF is a System 7 addition which avoids the
* ages-old problem of names starting with a period.)
*
* Contributed by Sam Bushell (jsam@iagu.on.net) and
* Dan Gildor (gyld@in-touch.com).
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jmemmac.c
No license file was found, but licenses were detected in source scan.

/*
* jmorecfg.h
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 1997-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains additional configuration options that customize the
* JPEG software for special applications or support machine-dependent
* optimizations. Most users will not need to touch this file.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jmorecfg.h
No license file was found, but licenses were detected in source scan.

/*
* jaricom.c
*
* Developed 1997-2011 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains probability estimation tables for common use in
* arithmetic entropy encoding and decoding routines.
This data represents Table D.3 in the JPEG spec (D.2 in the draft), ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81, and Table 24 in the JBIG spec, ISO/IEC IS 11544 and CCITT Recommendation ITU-T T.82.

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jaricom.c
No license file was found, but licenses were detected in source scan.

/*
* jmemnobs.c
*
* Copyright (C) 1992-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file provides a really simple implementation of the system-
* dependent portion of the JPEG memory manager. This implementation
* assumes that no backing-store files are needed: all required space
* can be obtained from malloc().
* This is very portable in the sense that it'll compile on almost anything,
* but you'd better have lots of main memory (or virtual memory) if you want
* to process big images.
* Note that the max_memory_to_use option is ignored by this implementation.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jmemnobs.c
No license file was found, but licenses were detected in source scan.

/*
* rdgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in GIF format.
*
*****************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression. *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that.                                                          *
*****************************************************************************
*
* We are required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated.”
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/rdgif.c
No license file was found, but licenses were detected in source scan.

/*
* jcprepct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains the compression preprocessing controller.
* This controller manages the color conversion, downsampling,
* and edge expansion steps.
 *
* Most of the complexity here is associated with buffering input rows
* as required by the downsampler. See the comments at the head of
* jcsample.c for the downsampler's needs.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jcprepct.c
No license file was found, but licenses were detected in source scan.

/*
* jchuff.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2006-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains Huffman entropy encoding routines.
* Both sequential and progressive modes are supported in this single module.
 *
* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
* We do not support output suspension for the progressive JPEG mode, since
* the library currently does not allow multiple-scan files to be written
* with output suspension.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jchuff.c
No license file was found, but licenses were detected in source scan.

/*
* jdatadst.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains compression data destination routines for the case of
* emitting JPEG data to memory or to a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different destination manager.
* IMPORTANT: we assume that fwrite() will correctly transcribe an array of
* JOCTETs into 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdatadst.c
No license file was found, but licenses were detected in source scan.

/*
* jmemsys.h
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.)
*
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
* this file, the best method is to #ifdef them based on a configuration
* symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
* and USE_MAC_MEMMGR.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jmemsys.h

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

/*
 * jidctint.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modification developed 2002-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 *
 * We also provide IDCT routines with various output sample block sizes for
 * direct resolution reduction or enlargement and for direct resolving the
 * common 2x1 and 1x2 subsampling cases without additional resampling: NxN
 * (N=1...16), 2NxN, and Nx2N (N=1...8) pixels for one 8x8 input DCT block.
 *
 * For N<8 we simply take the corresponding low-frequency coefficients of
 * the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
 * to yield the downscaled outputs.
 * This can be seen as direct low-pass downsampling from the DCT domain
 * point of view rather than the usual spatial domain point of view,
 * yielding significant computational savings and results at least
* as good as common bilinear (averaging) spatial downsampling.
* For N>8 we apply a partial NxN IDCT on the 8 input coefficients as lower frequencies and higher frequencies assumed to be zero.
* It turns out that the computational effort is similar to the 8x8 IDCT regarding the output size.
* Furthermore, the scaling and descaling is the same for all IDCT sizes.
* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jidctint.c
No license file was found, but licenses were detected in source scan.

/*
* jdtrans.c
*
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains library routines for transcoding decompression,
* that is, reading raw DCT coefficient arrays from an input JPEG file.
* The routines in jdapimin.c will also be needed by a transcoder.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jdtrans.c
No license file was found, but licenses were detected in source scan.

/*
* jerror.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modified 2012 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains simple error-reporting and trace-message routines.
* These are suitable for Unix-like systems and others where writing to stderr is the right thing to do. Many applications will want to replace some or all of these routines.
*
* If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
  * you get a Windows-specific hack to display error messages in a dialog box.
  * It ain't much, but it beats dropping error messages into the bit bucket,
  * which is what happens to output to stderr under most Windows C compilers.
  *
  * These routines are used by both the compression and decompression code.
  */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jerror.c
No license file was found, but licenses were detected in source scan.

/*
 * jccolor.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2011-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input colorspace conversion routines.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jccolor.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmaster.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2002-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
 * pass.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jdmaster.c
No license file was found, but licenses were detected in source scan.
This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the JPEG library. Also see jpeglib.h (the include file to be used by application programs) for full details about data structures and function parameter lists. The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

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Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios
We support 8-bit to 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use different precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage
------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the
datastream header is a separate step. This is helpful because information
about the image’s size, colorspace, etc is available when the application
selects decompression parameters. For example, the application can choose an
output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source
manager, which typically will read the data from a file; but other behaviors
can be obtained with a custom source manager. Decompressed data is delivered
into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation
by calling jpeg_abort(); or, if you do not need to retain the JPEG object,
simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types.
However, they share some common fields, and certain routines such as
jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression
or decompression object. Therefore it is possible to process multiple
compression and decompression operations concurrently, using multiple JPEG
objects.

Both compression and decompression can be done in an incremental memory-to-
memory fashion, if suitable source/destination managers are used. See the
section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
=====================

Data formats
-----------

Before diving into procedural details, it is helpful to understand the
image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each
pixel having the same number of "component" or "sample" values (color
channels). You must specify how many components there are and the colorspace
interpretation of the components. Most applications will use RGB data
(three components per pixel) or grayscale data (one component per pixel).
PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 9 to 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in
JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
---------------------

Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You will also need a structure representing a JPEG error handler. The part of this that the library cares about is a "struct jpeg_error_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg_error_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own
destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```c
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

- `image_width`: Width of image, in pixels
- `image_height`: Height of image, in pixels
- `input_components`: Number of color channels (samples per pixel)
- `in_color_space`: Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and `input_components` is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The `in_color_space` field must be assigned one of the `J_COLOR_SPACE` enum constants, typically `JCS_RGB` or `JCS_GRAYSCALE`.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling `jpeg_set_defaults();` then, if there are particular values you want
to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```c
    cinfo.image_width = Width; /* image width and height, in pixels */
    cinfo.image_height = Height;
    cinfo.input_components = 3; /* # of color components per pixel */
    cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

    jpeg_set_defaults(&cinfo);

    /* Make optional parameter settings here */
```

4. jpeg_start_compress(...);

After you have established the data destination and set all the necessary source image info and other parameters, call jpeg_start_compress() to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```c
    jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called jpeg_start_compress(), you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)
    jpeg_write_scanlines(...);

Now write all the required image data by calling jpeg_write_scanlines() one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed
Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.

The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)."

Code for this step depends heavily on the way that you store the source data. example.c shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

```c
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}
```

jpeg_write_scanlines() returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.

In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination. jpeg_finish_compress() also releases working memory associated with the JPEG
object.

Typical code:

jpeg_finish_compress(&cinfo);

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);
8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination(). (See "Compressed data handling", below, for more about that.)

jpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG object that has reported an error by calling error_exit (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details
---------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

Typical code:

```c
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)
2. Specify the source of the compressed data (e.g., a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

```c
FILE * infile;
...
if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);
```

where the last line invokes the standard source module.

**WARNING:** it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

```c
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.
More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. jpeg_start_decompress(...);

Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

jpeg_start_decompress(&cinfo);

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; jpeg_start_decompress() will
return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

- output_width: image width and height, as scaled
- output_height
- out_color_components: # of color components in out_color_space
- output_components: # of color components returned per pixel
- colormap: the selected colormap, if any
- actual_number_of_colors: number of entries in colormap

output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output_XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
   jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like
"while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.

If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg_read_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must always provide a loop that calls jpeg_read_scanlines() repeatedly until the whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct total number of scanlines. If you wish to abort decompression, call jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);

You can abort a decompression cycle by calling jpeg_destroy_decompress() or jpeg_destroy() if you don't need the JPEG object any more, or jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

Applications using the JPEG library should include the header file jpeglib.h to obtain declarations of data types and routines. Before including jpeglib.h, include system headers that define at least the typedefs FILE and size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be
freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES
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Compression parameter selection
---------------------------------

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

jpeg_default_colorspace (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of
jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)
Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

int jpeg_quality_scaling (int quality)
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
Set default quantization tables with linear q_scale_factor[] values (see below).

jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl, const unsigned int *basic_table, int scale_factor, boolean force_baseline)
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).

CAUTION: prior to library version 6a, jpeg_add_quant_table expected
the basic table to be given in JPEG zigzag order. If you need to
write code that works with either older or newer versions of this
routine, you must check the library version number. Something like
"#if JPEG_LIB_VERSION >= 61" is the right test.

jpeg_simple_progression (j_compress_ptr cinfo)
Generates a default scan script for writing a progressive-JPEG file.
This is the recommended method of creating a progressive file,
unless you want to make a custom scan sequence. You must ensure that
the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

boolean arith_code
If TRUE, use arithmetic coding.
If FALSE, use Huffman coding.

int block_size
Set DCT block size. All N from 1 to 16 are possible.
Default is 8 (baseline format).
Larger values produce higher compression,
smaller values produce higher quality.
An exact DCT stage is possible with 1 or 2.
With the default quality of 75 and default Luminance qtable
the DCT+Quantization stage is lossless for value 1.
Note that values other than 8 require a SmartScale capable decoder,
introduced with IJG JPEG 8. Setting the block_size parameter for
compression works with version 8c and later.

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method,
but may give different results on different machines due to varying
roundoff behavior. The integer methods should give the same results
on all machines. On machines with sufficiently fast FP hardware, the
floating-point method may also be the fastest. The IFAST method is
considerably less accurate than the other two; its use is not
recommended if high quality is a concern. JDCT_DEFAULT and
JDCT_FASTEST are macros configurable by each installation.

unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is
1/1, or no scaling. Currently, the supported scaling ratios are M/N with all N from 1 to 16, where M is the destination DCT size, which is 8 by default (see block_size parameter above). (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.)

J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_colors() if you want to change these.

J_COLOR_TRANSFORM color_transform
Internal color transform identifier, writes LSE marker if nonzero (requires decoder with inverse color transform support, introduced with IJG JPEG 9). Two values are currently possible: JCT_NONE and JCT_SUBTRACT_GREEN. Set this value for lossless RGB application *before* calling jpeg_set_colors(), because entropy table assignment in jpeg_set_colors() depends on color_transform.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.

NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to
an array of scan definition records of length num_scans. The
compressor will then write a JPEG file having one scan for each scan
definition record. This is used to generate noninterleaved or
progressive JPEG files. The library checks that the scan array
defines a valid JPEG scan sequence. (jpeg_simple_progression creates
a suitable scan definition array for progressive JPEG.) This is
discussed further under "Progressive JPEG support".

boolean do_fancy_downsampling
If TRUE, use direct DCT scaling with DCT size > 8 for downsampling
of chroma components.
If FALSE, use only DCT size <= 8 and simple separate downsampling.
Default is TRUE.
For better image stability in multiple generation compression cycles
it is preferable that this value matches the corresponding
do_fancy_upsampling value in decompression.

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for
minimal smoothing to 100 for maximum smoothing. Consult jcsample.c
for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and
jpeg_set_colors() set this TRUE if a JFIF-legal JPEG color space
(ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker.
jpeg_set_defaults() initializes the version to 1.01 (major=minor=1).
You should set it to 1.02 (major=1, minor=2) if you plan to write
any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker;
not used otherwise. density_unit may be 0 for unknown,
1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1
indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and
jpeg_set_colors() set this TRUE if JPEG color space RGB, CMYK,
or YCCK is selected, otherwise FALSE. It is generally a bad idea
to set both write_JFIF_header and write_Adobe_marker. In fact,
you probably shouldn't change the default settings at all --- the
default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
Linear quantization scaling factors (percentage, initialized 100) for use with jpeg_default_qtables(). See rdswitch.c and cjpeg.c for an example of usage.

Note that the q_scale_factor[] fields are the "linear" scales, so you have to convert from user-defined ratings via jpeg_quality_scaling(). Here is an example code which corresponds to cjpeg -quality 90,70:

jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);

CAUTION: You must also set 1x1 subsampling for efficient separate color quality selection, since the default value used by library is 2x2:

cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;

JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]
Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the JPEG sample tables by jpeg_set_defaults(). If you need to allocate more table structures, jpeg_alloc_huff_table() may be used.

Note that optimal Huffman tables can be computed for an image by setting optimize_coding, as discussed above; there's seldom any need to mess with providing your own Huffman tables.

The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image
dimensions and the compression parameters by jpeg_start_compress(). You can also call jpeg_calc_jpeg_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width Actual dimensions of output image.
JDIMENSION jpeg_height

Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection
-------------------------------------

Decompression parameter selection is somewhat simpler than compression
parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

- **JDIMENSION image_width**: Width and height of image
- **JDIMENSION image_height**: Height of image
- **int num_components**: Number of color components
- **J_COLOR_SPACE jpeg_color_space**: Colorspace of image
- **boolean saw_JFIF_marker**: TRUE if a JFIF APP0 marker was seen
- **UINT8 JFIF_major_version**: Version information from JFIF marker
- **UINT8 JFIF_minor_version**: Minor version of JFIF marker
- **UINT8 density_unit**: Resolution data from JFIF marker
- **UINT16 X_density**: X density
- **UINT16 Y_density**: Y density
- **boolean saw_Adobe_marker**: TRUE if an Adobe APP14 marker was seen
- **UINT8 Adobe_transform**: Color transform code from Adobe marker

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

- **J_COLOR_SPACE out_color_space**: Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

- **unsigned int scale_num, scale_denom**: Scale the image by the fraction scale_num/scale_denom. Currently,
the supported scaling ratios are M/N with all M from 1 to 16, where N is the source DCT size, which is 8 for baseline JPEG. (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) The values are initialized by jpeg_read_header() with the source DCT size. For baseline JPEG this is 8/8. If you change only the scale_num value while leaving the other unchanged, then this specifies the DCT scaled size to be applied on the given input. For baseline JPEG this is equivalent to M/8 scaling, since the source DCT size for baseline JPEG is 8. Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE\tno dithering: fast, very low quality
JDITHER_ORDERED\tordered dither: moderate speed and quality
JDITHER_FS\tFloyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself. [Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of `out_color_components` rows and `actual_number_of_colors` columns. Ignored if not quantizing.

CAUTION: if the JPEG library creates its own colormap, the storage pointed to by this field is released by `jpeg_finish_decompress()`.

Copy the colormap somewhere else first, if you want to save it.

```c
int actual_number_of_colors
The number of colors in the color map.
```

Additional decompression parameters that the application may set include:

```c
J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same as described above for compression.
```

```c
boolean do_fancy_upsampling
If TRUE, use direct DCT scaling with DCT size > 8 for upsampling of chroma components.
If FALSE, use only DCT size <= 8 and simple separate upsampling.
Default is TRUE.
For better image stability in multiple generation compression cycles it is preferable that this value matches the corresponding do_fancy_downsampling value in compression.
```

```c
boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look "fuzzy" with smoothing, "blocky" without. In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using buffered-image mode for progressive images.
```

```c
boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is described in its own section below.
```

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by `jpeg_start_decompress()`. You can also call `jpeg_calc_output_dimensions()` to obtain the values that will result from the current parameter settings.

This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers *before* `jpeg_start_decompress()`.
JDIMENSION output_width
Actual dimensions of output image.

JDIMENSION output_height

int out_color_components
Number of color components in out_color_space.

int output_components
Number of color components returned.

int rec_outbuf_height
Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4).

If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying. (An output buffer larger than rec_outbuf_height lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing JPEG file interchange format standards specify YCbCr or GRAYSCALE data (JFIF version 1), GRAYSCALE, RGB, YCbCr, CMYK, or YCCK (Adobe), or BG_RGB or BG_YCC (big gamut color spaces, JFIF version 2). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB => YCbCr and CMYK => YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field in_color_space. This is transformed to the JPEG file's color space given by jpeg_color_space. jpeg_set_defaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colorspace(). Of course you must select a supported transformation. jccolor.c currently supports the following transformations:

RGB => YCbCr
RGB => GRAYSCALE
RGB => BG_YCC
YCbCr => GRAYSCALE
YCbCr => BG_YCC
CMYK => YCCK
plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB,
BG_RGB => BG_RGB, YCbCr => YCbCr, BG_YCC => BG_YCC, CMYK => CMYK,
YCCK => YCCK, and UNKNOWN => UNKNOWN.

The file interchange format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the interchange standards.
jpeg_set_colorspace() will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space. For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for jpeg_set_colorspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space, and this is transformed to the output color space out_color_space.
jpeg_read_header's setting of jpeg_color_space can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also selects a default output color space based on (its guess of) jpeg_color_space; set out_color_space to override this. Again, you must select a supported transformation. jdcolor.c currently supports
YCbCr => RGB
YCbCr => GRAYSCALE
BG_YCC => RGB
BG_YCC => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an application can force grayscale JPEGs to look like color JPEGs if it only wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data (it weights distances appropriately for RGB colors). You'll need to modify the code if you want to use it for non-RGB output color spaces. Note that jquant2.c is used to map to an application-supplied colormap as well as for
the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect. This is arguably a bug in Photoshop, but if you need to work with Photoshop CMYK files, you will have to deal with it in your application. We cannot "fix" this in the library by inverting the data during the CMYK<->YCCK transform, because that would break other applications, notably Ghostscript. Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK data in the same inverted-YCCK representation used in bare JPEG files, but the surrounding PostScript code performs an inversion using the PS image operator. I am told that Photoshop 3.0 will write uninverted YCCK in EPS/JPEG files, and will omit the PS-level inversion. (But the data polarity used in bare JPEG files will not change in 3.0.) In either case, the JPEG library must not invert the data itself, or else Ghostscript would read these EPS files incorrectly.

Error handling
--------------

When the default error handler is used, any error detected inside the JPEG routines will cause a message to be printed on stderr, followed by exit(). You can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file example.c illustrates the most common case, which is to have the application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its
"err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to generate the error message has been stored in cinfo->err; call output_message to display it. Control must NOT return to the caller; generally this routine will exit() or longjmp() somewhere. Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages somewhere other than stderr. Note that this method does not know how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info stored in cinfo->err. This method is called by output_message. Few applications should need to override this method. One possible reason for doing so is to implement dynamic switching of error message language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so, calls output_message. The main reason for overriding this method would be to abort on warnings. msg_level is -1 for warnings, 0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to by the field err->jpeg_message_table. The messages are numbered from 0 to err->last_jpeg_message, and it is these code numbers that are used in the JPEG library code. You could replace the message texts (for instance, with messages in French or German) by changing the message table pointer. See jerror.h for the default texts. CAUTION: this table will almost certainly
change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are handled by the same mechanism. The error handler supports a second "add-on" message table for this purpose. To define an addon table, set the pointer err->addon_message_table and the message numbers err->first_addon_message and err->last_addon_message. If you number the addon messages beginning at 1000 or so, you won't have to worry about conflicts with the library's built-in messages. See the sample applications cjpeg/djpeg for an example of using addon messages (the addon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h:

ERREXITn(...) for fatal errors
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.

These macros store the message code and any additional parameters into the error handler struct, then invoke the error_exit() or emit_message() method. The variants of each macro are for varying numbers of additional parameters. The additional parameters are inserted into the generated message using standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)
----------------------------------------------------------

The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits
wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

    JOCTET * next_output_byte; /* => next byte to write in buffer */
    size_t free_in_buffer;      /* # of byte spaces remaining in buffer */

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

    init_destination (j_compress_ptr cinfo)
    Initialize destination.  This is called by jpeg_start_compress() before any data is actually written.  It must initialize next_output_byte and free_in_buffer.  free_in_buffer must be initialized to a positive value.

    empty_output_buffer (j_compress_ptr cinfo)
    This is called whenever the buffer has filled (free_in_buffer reaches zero).  In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped.  free_in_buffer must be set to a positive value when TRUE is returned.  A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

    term_destination (j_compress_ptr cinfo)
    Terminate destination --- called by jpeg_finish_compress() after all data has been written.  In most applications, this must flush any data remaining in the buffer.  Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

    term_destination() is NOT called by jpeg_abort() or jpeg_destroy().  If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object.  This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to
Decompression source managers follow a parallel design, but with some additional framemishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

```
const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer;         /* # of bytes remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is emptied. The manager's `fill_input_buffer` method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:

- `init_source (j_decompress_ptr cinfo)`
  Initialize source. This is called by `jpeg_read_header()` before any data is actually read. Unlike `init_destination()`, it may leave `bytes_in_buffer` set to 0 (in which case a `fill_input_buffer()` call will occur immediately).

- `fill_input_buffer (j_decompress_ptr cinfo)`
  This is called whenever `bytes_in_buffer` has reached zero and more data is wanted. In typical applications, it should read fresh data into the buffer (ignoring the current state of `next_input_byte` and `bytes_in_buffer`), reset the pointer & count to the start of the buffer, and return `TRUE` indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. `bytes_in_buffer` MUST be set to a positive value if `TRUE` is returned. A `FALSE` return should only be used when I/O suspension is desired (this mode is discussed in the next section).

- `skip_input_data (j_decompress_ptr cinfo, long num_bytes)`
  Skip `num_bytes` worth of data. The buffer pointer and count should be advanced over `num_bytes` input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it's not clear that being smart is worth much trouble; large skips are uncommon. `bytes_in_buffer` may be zero on return. A zero or negative skip count should be treated as a no-op.

- `resync_to_restart (j_decompress_ptr cinfo, int desired)`
  This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to
find a suitable point for resuming decompression. For most
applications, we recommend that you just use the default resync
procedure, jpeg_resync_to_restart(). However, if you are able to back
up in the input data stream, or if you have a-priori knowledge about
the likely location of restart markers, you may be able to do better.
Read the read_restart_marker() and jpeg_resync_to_restart() routines
in jdmarker.c if you think you’d like to implement your own resync
procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all
data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing
as an EOF return. If the end of the file has been reached, the routine has
a choice of exiting via ERREXIT() or inserting fake data into the buffer.
In most cases, generating a warning message and inserting a fake EOI marker
is the best course of action --- this will allow the decompressor to output
however much of the image is there. In pathological cases, the decompressor
may swallow the EOI and again demand data ... just keep feeding it fake EOIs.
jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want
the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method
pointers, and insert a pointer to the struct into the "src" field of the JPEG
decompression object. This can be done in-line in your setup code if you
like, but it's probably cleaner to provide a separate routine similar to the
jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination
managers in jdatasrc.c and jdatadst.c.

I/O suspension

----------

Some applications need to use the JPEG library as an incremental memory-to-
memory filter: when the compressed data buffer is filled or emptied, they want
control to return to the outer loop, rather than expecting that the buffer can
be emptied or reloaded within the data source/destination manager subroutine.
The library supports this need by providing an "I/O suspension" mode, which we
describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the
maximum amount of time spent in any one call to the library, so it will not
eliminate response-time problems in single-threaded applications. If you
need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:
* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a
suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no
additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support
------------------------

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc.
The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode
-------------------------------

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file
adds more data (more detail) to the buffered image. The application can
display in lockstep with the source file (one display pass per input scan),
or it can allow input processing to outrun display processing. By making
input and display processing run independently, it is possible for the
application to adapt progressive display to a wide range of data transmission
rates.

The basic control flow for buffered-image decoding is

```c
jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE;/* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output()/* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output()/* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
```

This differs from ordinary unbuffered decoding in that there is an additional
level of looping. The application can choose how many output passes to make
and how to display each pass.

The simplest approach to displaying progressive images is to do one display
pass for each scan appearing in the input file. In this case the outer loop
condition is typically
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
jpeg_start_output(&cinfo, cinfo.input_scan_number);
The second parameter to jpeg_start_output() indicates which scan of the input
file is to be displayed; the scans are numbered starting at 1 for this
purpose. (You can use a loop counter starting at 1 if you like, but using
the library's input scan counter is easier.) The library automatically reads
data as necessary to complete each requested scan, and jpeg_finish_output()
advances to the next scan or end-of-image marker (hence input_scan_number
will be incremented by the time control arrives back at jpeg_start_output()).
With this technique, data is read from the input file only as needed, and
input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the
buffered image remains available; it can be read additional times by repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call jpeg_finish_decompress() to release the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what’s needed to produce output. This is done by calling the routine jpeg_consume_input(). The return value is one of the following:

- **JPEG_REACHED_SOS**: reached an SOS marker (the start of a new scan)
- **JPEG_REACHED_EOI**: reached the EOI marker (end of image)
- **JPEG_ROW_COMPLETED**: completed reading one MCU row of compressed data
- **JPEG_SCAN_COMPLETED**: completed reading last MCU row of current scan
- **JPEG_SUSPENDED**: suspended before completing any of the above (JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library’s output processing will automatically call jpeg_consume_input() whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to jpeg_consume_input(). But by adding calls to jpeg_consume_input(), you can absorb data in advance of what is being displayed. This has two benefits:

* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the state of the library’s input processing.

The first of these benefits only requires interspersing calls to jpeg_consume_input() with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it’s best to call jpeg_consume_input() only after a hundred or so new bytes have arrived. This is discussed further under “I/O suspension”, above. (Note: the JPEG library currently is not thread-safe. You must not call jpeg_consume_input() from one thread of control if a different library routine is working on the same JPEG object in another thread.)
When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass cinfo.input_scan_number as the target scan number to jpeg_start_output(). The input_scan_number field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling jpeg_start_output(): call jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the cinfo.output_scan_number field. The library's output processing calls jpeg_consume_input() whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.) When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.
When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);

rather than quitting as soon as jpeg_input_complete() returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}

In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.
When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:
* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling jpeg_input_complete()).
jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress() all return TRUE if they completed their tasks, FALSE if they had to suspend. In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. ONLY THE FOLLOWING parameter changes are allowed after jpeg_start_decompress() is called:
* dct_method can be changed before each call to jpeg_start_output(). For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.
* dither_mode can be changed before each call to jpeg_start_output(); of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode
can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial max_memory_to_use specification to be exceeded, which in the worst case would result in an out-of-memory failure.

* do_block_smoothing can be changed before each call to jpeg_start_output(). This setting is relevant only when decoding a progressive JPEG image. During the first DC-only scan, block smoothing provides a very “fuzzy” look instead of the very “blocky” look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.

* Color quantization mode can be changed under the rules described below. You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.
2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.
3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL. (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)

These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.) You do this by setting one or more of these three cinfo fields to TRUE:

enable_1pass_quant FIXED color cube colormap
enable_external_quant Externally-supplied colormap
enable_2pass_quant Two-pass custom colormap

All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following
special rules apply:
1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

(These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as
possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images
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A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:
* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a
It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and
the abbreviated image file, the same tables are sure to be used. Of course,
you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence
many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman
optimization is selected. (If you could, there'd be no way to decode the
image...) Generally, you don't want to set optimize_coding = TRUE when
you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are
not stored in the application, but are defined in an interchange or
tables-only file readable by the application. This can be done by setting up
a JPEG decompression object to read the specification file, then copying the
tables into your compression object. See jpeg_copy_critical_parameters()
for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables
into the decompression object before trying to read the abbreviated image.
If the proper tables are stored in the application program, you can just
allocate the table structs and fill in their contents directly. For example,
to load a fixed quantization table into table slot "n":

if (cinfo.quant_tbl_ptrs[n] == NULL)
cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n];/* quant_ptr is JQUANT_TBL* */
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}

Code to load a fixed Huffman table is typically (for AC table "n"):

if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n];/* huff_ptr is JHUFF_TBL* */
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a
constant JQUANT_TBL object is not safe. If the incoming file happened to
contain a quantization table definition, your master table would get
overwritten! Instead allocate a working table copy and copy the master table
into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than
hard-wiring them into your application. The jpeg_read_header() call is
sufficient to read a tables-only file. You must pass a second parameter of
FALSE to indicate that you do not require an image to be present. Thus, the
typical scenario is

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains
an image or just tables. In that case, pass FALSE and check the return value
from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found,
JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value,
JPEG_SUSPENDED, is possible when using a suspending data source manager.)
Note that jpeg_read_header() will not complain if you read an abbreviated
image for which you haven't loaded the missing tables; the missing-table check
occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by
repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence,
without releasing/recreating the JPEG object or the data source module.
(If you did reinitialize, any partial bufferload left in the data source
buffer at the end of one image would be discarded, causing you to lose the
start of the next image.) When you use this method, stored tables are
automatically carried forward, so some of the images can be abbreviated images
that depend on tables from earlier images.

If you intend to write a series of images into a single destination file,
you might want to make a specialized data destination module that doesn't
flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
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Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write
any marker type, but we don't recommend writing any other kinds of marker.)
For example, to write a user comment string pointed to by comment_text:
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));

If it's not convenient to store all the marker data in memory at once,
you can instead call jpeg_write_m_header() followed by multiple calls to
jpeg_write_m_byte(). If you do it this way, it's your responsibility to
call jpeg_write_m_byte() exactly the number of times given in the length
parameter to jpeg_write_m_header(). (This method lets you empty the
output buffer partway through a marker, which might be important when
using a suspending data destination module. In any case, if you are using
a suspending destination, you should flush its buffer after inserting
any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself,
you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't
forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the
correct JFIF version number in the JFIF header marker. The library's default
is to write version 1.01, but that's wrong if you insert any 1.02 extension
markers. (We could probably get away with just defaulting to 1.02, but there
used to be broken decoders that would complain about unknown minor version
numbers. To reduce compatibility risks it's safest not to write 1.02 unless
you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:
1. You can ask the library to save the contents of COM and/or APPn markers
   into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers
   on-the-fly as they are read.
The first method is simpler to use, especially if you are using a suspending
data source; writing a marker processor that copes with input suspension is
not easy (consider what happens if the marker is longer than your available
input buffer). However, the second method conserves memory since the marker
data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a
decompression object and before calling jpeg_read_header(), because the
markers of interest will typically be near the head of the file and so will
be scanned by jpeg_read_header. Once you've established a marker handling
method, it will be used for the life of that decompression object
(potentially many datastreams), unless you change it. Marker handling is
determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call
jpeg_save_markers(cinfo, marker_code, length_limit)
where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n.
(To arrange to save all the special marker types, you need to call this
routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer
than length_limit data bytes, only length_limit bytes will be saved; this
parameter allows you to avoid chewing up memory when you only need to see the
first few bytes of a potentially large marker. If you want to save all the
data, set length_limit to 0xFFFF; that is enough since marker lengths are only
16 bits. As a special case, setting length_limit to 0 prevents that marker
type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by
following the cinfo->marker_list pointer chain. All the special markers in
the file appear in this list, in order of their occurrence in the file (but
omitting any markers of types you didn't ask for). Both the original data
length and the saved data length are recorded for each list entry; the latter
will not exceed length_limit for the particular marker type. Note that these
lengths exclude the marker length word, whereas the stored representation
within the JPEG file includes it. (Hence the maximum data length is really
only 65533.)

It is possible that additional special markers appear in the file beyond the
SOS marker at which jpeg_read_header stops; if so, the marker list will be
extended during reading of the rest of the file. This is not expected to be
common, however. If you are short on memory you may want to reset the length
limit to zero for all marker types after finishing jpeg_read_header, to
ensure that the max_memory_to_use setting cannot be exceeded due to addition
of later markers.

The marker list remains stored until you call jpeg_finish_decompress or
jpeg_abort, at which point the memory is freed and the list is set to empty.
(jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers;
if you try to set a small nonzero length limit on these types, the library
will silently force the length up to the minimum it wants. (But you can set
a zero length limit to prevent them from being saved at all.) Also, in a
16-bit environment, the maximum length limit may be constrained to less than
65533 by malloc() limitations. It is therefore best not to assume that the
effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling
jpeg_set_marker_processor(). A marker processor routine must have the
signature
boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)
Although the marker code is not explicitly passed, the routine can find it
in cinfo->unread_marker. At the time of call, the marker proper has been
read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
----------------------------

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT
block in each component: that is, each downsampled row must contain a
multiple of block_size valid samples, and there must be a multiple of
block_size sample rows for each component. (For applications such as
conversion of digital TV images, the standard image size is usually a
multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal
compression, except that you call jpeg_write_raw_data() in place of
jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do
the following:

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().)
  This notifies the library that you will be supplying raw data.
  Furthermore, set cinfo->do_fancy_downsampling to FALSE if you want to use
  real downsampled data. (It is set TRUE by jpeg_set_defaults().)
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colors() call is a good idea. Note that since color conversion is bypassed,
in_color_space is ignored, except that jpeg_set_defaults() uses it to
  choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and
cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the
dimensions of the data you are supplying, it's wise to set them
  explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of
jpeg_write_scanlines(). The two routines work similarly except that
jpeg_write_raw_data() takes a JSAMPIMAGE data array rather than JSAMPARRAY.
The scanlines count passed to and returned from jpeg_write_raw_data is
measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say
v_samp_factor*block_size sample rows of each component. The passed num_lines
value must be at least max_v_samp_factor*block_size, and the return value
will be exactly that amount (or possibly some multiple of that amount, in
future library versions). This is true even on the last call at the bottom
of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each
component as
cinfo->comp_info[i].width_in_blocks*block_size samples per row
cinfo->comp_info[i].height_in_blocks*block_size rows in image
after jpeg_start_compress() has initialized those fields. If the valid data
is smaller than this, it must be padded appropriately. For some sampling
factors and image sizes, additional dummy DCT blocks are inserted to make
the image a multiple of the MCU dimensions. The library creates such dummy
blocks itself; it does not read them from your supplied data. Therefore you
need never pad by more than block_size samples. An example may help here.
Assume 2h2v downsampling of YCbCr data, that is
cinfo->comp_info[0].h_samp_factor = 2 for Y
cinfo->comp_info[0].v_samp_factor = 2

cinfo->comp_info[1].h_samp_factor = 1 for Cb

cinfo->comp_info[1].v_samp_factor = 1

cinfo->comp_info[2].h_samp_factor = 1 for Cr

cinfo->comp_info[2].v_samp_factor = 1

and suppose that the nominal image dimensions (cinfo->image_width and
cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will
compute downsampled_width = 101 and width_in_blocks = 13 for Y,
downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same
for the height fields). You must pad the Y data to at least 13*8 = 104
columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The
MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16
scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual
sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed,
so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row
of Y data is dummy, so it doesn't matter what you pass for it in the data
arrays, but the scanlines count must total up to 112 so that all of the Cb
and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data
destination module suspends, jpeg_write_raw_data() will return 0.
In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing.
You must deal with the color space and sampling factors present in the
incoming file. If your application only handles, say, 2h1v YCbCr data,
you must check for and fail on other color spaces or other sampling factors.
The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before
jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to
verify that the color space and sampling factors are ones you can handle.
Furthermore, set cinfo->do_fancy_upsampling = FALSE if you want to get real
downsamped data (it is set TRUE by jpeg_read_header()).
Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The
decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a
buffer of at least max_v_samp_factor*block_size scanlines (scanline counting
is the same as for raw-data compression). The buffer you pass must be large
enough to hold the actual data plus padding to DCT-block boundaries. As with
compression, any entirely dummy DCT blocks are not processed so you need not
allocate space for them, but the total scanline count includes them. The
above example of computing buffer dimensions for raw-data compression is
equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source
module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This framish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use.
To write the contents of a JPEG file as DCT coefficients, you must provide
the DCT coefficients stored in virtual block arrays. You can either pass
block arrays read from an input JPEG file by jpeg_read_coefficients(), or
allocate virtual arrays from the JPEG compression object and fill them
yourself. In either case, jpeg_write_coefficients() is substituted for
jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is
* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object
jpeg_write_coefficients() is passed a pointer to an array of virtual block
array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before
jpeg_write_coefficients() is called. A side-effect of
jpeg_write_coefficients() is to realize any virtual arrays that have been
requested from the compression object's memory manager. Thus, when obtaining
the virtual arrays from the compression object, you should fill the arrays
after calling jpeg_write_coefficients(). The data is actually written out
when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes
the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization
tables and sampling factors match the way the data was encoded, or the
resulting file will be invalid. For transcoding from an existing JPEG file,
we recommend using jpeg_copy_critical_parameters(). This routine initializes
all the compression parameters to default values (like jpeg_set_defaults()),
then copies the critical information from a source decompression object.
The decompression object should have just been used to read the entire
JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object
as needing to be written to the output file (thus, it acts like
jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid
emitting abbreviated JPEG files by accident. If you really want to emit an
abbreviated JPEG file, call jpegSuppress_tables(), or set the tables'
individual sent_table flags, between calling jpeg_write_coefficients() and
jpeg_finish_compress().

Progress monitoring
-----------------------
Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or jpeg_write_scanlines, so don't pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monitor field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:
- long pass_counter; /* work units completed in this pass */
- long pass_limit; /* total number of work units in this pass */
- int completed_passes; /* passes completed so far */
- int total_passes; /* total number of passes expected */

During any one pass, pass_counter increases from 0 up to (not including) pass_limit; the step size is usually but not necessarily 1. The pass_limit value may change from one pass to another. The expected total number of passes is in total_passes, and the number of passes already completed is in completed_passes. Thus the fraction of work completed may be estimated as completed_passes + (pass_counter/pass_limit)

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total_passes

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in
advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets total_passes based on the assumption that there will be one more output pass if the input file end hasn't yet been read (jpeg_input_complete() isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that total_passes will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.

Memory management
-------------------
This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object. Use alloc_large instead of alloc_small for anything bigger than a few Kbytes. There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays"; only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger
than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.

If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
------------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's
3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.

4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 9-bit to 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
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A number of compile-time options are available by modifying jmorecfg.h.

The IJG code currently supports 8-bit to 12-bit sample data precision by defining BITS_IN_JSAMPLE as 8, 9, 10, 11, or 12.

Note that a value larger than 8 causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data.

The sample applications cjpeg and djpeg can support deeper than 8-bit data only for PPM and GIF file formats; you must disable the other file formats to compile a 9-bit to 12-bit cjpeg or djpeg. (install.txt has more information about that.)

Run-time selection and conversion of data precision are currently not supported and may be added later.

Exception: The transcoding part (jpegtran) supports all settings in a single instance, since it operates on the level of DCT coefficients and not sample values.

(If you need to include an 8-bit library and a 9-bit to 12-bit library for compression or decompression in a single application, you could probably do
it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and the 9-bit to 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that the standard Huffman tables are only valid for 8-bit data precision. If you selected more than 8-bit data precision, cjpeg uses arithmetic coding by default. The Huffman encoder normally uses entropy optimization to compute usable tables for higher precision. Otherwise, you'll have to supply different default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 9-bit to 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int. You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don't need trace capability anyway, right?

Portability considerations
----------------------------

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we'd appreciate hearing about them.)
The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that
char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
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The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.
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* 
* This file contains application interface code for the compression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-compression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapimin.c to avoid linking the
* whole compression library into a transcoder.
* /

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jcapistd.c 
No license file was found, but licenses were detected in source scan.

/ *
* djpeg.c *
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2009-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a command-line user interface for the JPEG decompressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
* 
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* djpeg [options] inputfile outputfile
* djpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* djpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
* /

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/djpeg.c
No license file was found, but licenses were detected in source scan.

/*
 * jcmarker.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write JPEG datastream markers.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jcmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * transupp.c
 *
 * Copyright (C) 1997-2013, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains image transformation routines and other utility code
 * used by the jpegtran sample application. These are NOT part of the core
 * JPEG library. But we keep these routines separate from jpegtran.c to
 * ease the task of maintaining jpegtran-like programs that have other user
 * interfaces.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/transupp.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: CODING RULES

Copyright (C) 1991-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.
In general we follow the recommendations of "Recommended C Style and Coding Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and Brader). This document is available in the IJG FTP archive (see jpeg/doc/cstyle.ms.tbl.Z, or cstyle.txt.Z for those without nroff/tbl).

Block comments should be laid out thusly:

/*
 *  Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

LOCAL(int *)
function_name (int a, char *b)
{
    code...
}

Note that each function definition must begin with GLOBAL(type), LOCAL(type), or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif

which is used like this:

struct function_pointers {
    JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    JMETHOD(void, term_entropy_encoder, (void));
};

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations
(see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype
declaration to coerce actual parameters into the right types. Therefore, use
explicit casts on actual parameters whenever the actual parameter type is not
identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator
is defined to return int, yet size_t is defined as long. Needless to say,
this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(),
so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore,
we want it to be reentrant so that it can be used by applications that process
multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc;
   pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static
   wherever possible. (Note that our method-based calling conventions help this
   a lot: in many modules only the initialization function will ever need to be
   called directly, so only that function need be externally visible.) All
   global function names should begin with "jpeg_", and should have an
   abbreviated name (unique in the first six characters) substituted by macro
   when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module
   should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables
   that should be private to a module can be placed into private structures (see
   the system architecture document, structure.txt).
5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/coderules.txt
No license file was found, but licenses were detected in source scan.

/ *
 * jdcoefct.c
 * * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2002-2011 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains the coefficient buffer controller for decompression.
 * This controller is the top level of the JPEG decompressor proper.
 * The coefficient buffer lies between entropy decoding and inverse-DCT steps.
 * *
 * In buffered-image mode, this controller is the interface between
 * input-oriented processing and output-oriented processing.
 * Also, the input side (only) is used when reading a file for transcoding.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jdcoefct.c
No license file was found, but licenses were detected in source scan.

/ *
 * jdapistd.c
 * * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2002-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains application interface code for the decompression half
of the JPEG library. These are the "standard" API routines that are
used in the normal full-decompression case. They are not used by a
transcoding-only application. Note that if an application links in
jpeg_start_decompress, it will end up linking in the entire decompressor.
We thus must separate this file from jdapimin.c to avoid linking the
whole decompression library into a transcoder.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdapistd.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctfst.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a fast, not so accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with fixed-point math,
 * accuracy is lost due to imprecise representation of the scaled
 * quantization values. The smaller the quantization table entry, the less
 * precise the scaled value, so this implementation does worse with high-
 * quality-setting files than with low-quality ones.
 */

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * jcarith.c
 *
 * Developed 1997-2013 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains portable arithmetic entropy encoding routines for JPEG
 * Both sequential and progressive modes are supported in this single module.
 * Suspension is not currently supported in this module.
 */

Found in path(s):
  * /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jcarith.c

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

/*
 * wrrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains routines to write output images in RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdout stream.
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
  * /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/wrrle.c

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

* Copyright (C) 1995-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains library routines for transcoding compression,
* that is, writing raw DCT coefficient arrays to an output JPEG file.
* The routines in jcapimin.c will also be needed by a transcoder.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jctrans.c

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

/*
 * jversion.h
 *
* Copyright (C) 1991-2014, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains software version identification.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jversion.h

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

/*
 * jdmainct.c
 *
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2012 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
*
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.
*/
Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jdmainct.c
No license file was found, but licenses were detected in source scan.

/*
* cjpeg.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for the JPEG compressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
*
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* cjpeg [options] inputfile outputfile
* cjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* cjpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jpeg.c
No license file was found, but licenses were detected in source scan.

/*
* jpegint.h
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 1997-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file provides common declarations for the various JPEG modules.
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/
Opened
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jpegint.h
No license file was found, but licenses were detected in source scan.

/*
* jcdctmgr.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the forward-DCT management logic.
* This code selects a particular DCT implementation to be used,
* and it performs related housekeeping chores including coefficient
* quantization.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jcdctmgr.c
No license file was found, but licenses were detected in source scan.

/*
* jdmarker.c
*
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modified 2009-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to decode JPEG datastream markers.
* Most of the complexity arises from our desire to support input
* suspension: if not all of the data for a marker is available,
* we must exit back to the application. On resumption, we reprocess
* the marker.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdmarker.c
No license file was found, but licenses were detected in source scan.

/*
* jdcolor.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2011-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains output colorspace conversion routines.
*/

*/
* jmemmgr.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2011-2012 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains the JPEG system-independent memory management
* routines. This code is usable across a wide variety of machines; most
* of the system dependencies have been isolated in a separate file.
* The major functions provided here are:
* * pool-based allocation and freeing of memory;
* * policy decisions about how to divide available memory among the
*   virtual arrays;
* * control logic for swapping virtual arrays between main memory and
*   backing storage.
* The separate system-dependent file provides the actual backing-storage
* access code, and it contains the policy decision about how much total
* main memory to use.
* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
*/

*/
* jidctflt.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* Modified 2010 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a floating-point implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* This implementation should be more accurate than either of the integer
* IDCT implementations. However, it may not give the same results on all
* machines because of differences in roundoff behavior. Speed will depend
* on the hardware's floating point capacity.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jidctflt.c
No license file was found, but licenses were detected in source scan.

/*
* jmemansi.c
*
* Copyright (C) 1992-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
This file provides a simple generic implementation of the system-dependent portion of the JPEG memory manager. This implementation assumes that you have the ANSI-standard library routine tmpfile(). Also, the problem of determining the amount of memory available is shoved onto the user.

*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jmemansi.c
No license file was found, but licenses were detected in source scan.

/*
 * rdrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Utah RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdin stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed RLE format).
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/rdrle.c
No license file was found, but licenses were detected in source scan.

/*
 * jutils.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains tables and miscellaneous utility routines needed
 * for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
* a surrounding application.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/jutils.c
No license file was found, but licenses were detected in source scan.

/*
* rdtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Targa format.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary st dio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
*
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/rdtarga.c
No license file was found, but licenses were detected in source scan.

/*
* jquant2.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2011 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
* externally-given color map.
*
* Note: ordered dithering is not supported, since there isn't any fast way to compute intercolor distances; it's unclear that ordered dither's fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jquant2.c
No license file was found, but licenses were detected in source scan.

/ *
* jfdctfst.c
* *
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains a fast, not so accurate integer implementation of the forward DCT (Discrete Cosine Transform).
* *
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT on each column. Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.
* *
* This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jfdctfst.c
No license file was found, but licenses were detected in source scan.
The Independent JPEG Group's JPEG software

README for release 9a of 19-Jan-2014

This distribution contains the ninth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge’ Weijers, and other members of the Independent JPEG Group.

IJJ is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
ACKNOWLEDGMENTS Special thanks.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderules.txt Coding style rules --- please read if you contribute code.
Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product
LEGAL ISSUES
=============

In plain English:

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2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

This software is copyright (C) 1991-2014, Thomas G. Lane, Guido Vollbeding. All Rights Reserved except as specified below.

Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:
(1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".
We specifically permit and encourage the use of this software as the basis of
commercial products, provided that all warranty or liability claims are
assumed by the product vendor.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
lmain.sh). Another support script, install-sh, is copyright by X Consortium
but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent (now expired), GIF reading
support has been removed altogether, and the GIF writer has been simplified
to produce "uncompressed GIFs". This technique does not use the LZW
algorithm; the resulting GIF files are larger than usual, but are readable
by all standard GIF decoders.

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of
CompuServe Incorporated. GIF(sm) is a Service Mark property of
CompuServe Incorporated."

REFERENCES
==========

We recommend reading one or more of these references before trying to
understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is
Wallace, Gregory K. "The JPEG Still Picture Compression Standard",
Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44.
(Adjacent articles in that issue discuss MPEG motion picture compression,
applications of JPEG, and related topics.) If you don't have the CACM issue
handy, a PostScript file containing a revised version of Wallace's article is
available at http://www.ijg.org/files/wallace.ps.gz. The file (actually
a preprint for an article that appeared in IEEE Trans. Consumer Electronics)
omits the sample images that appeared in CACM, but it includes corrections
and some added material. Note: the Wallace article is copyright ACM and IEEE,
and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in
"The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by
good explanations and example C code for a multitude of compression methods
including JPEG. It is an excellent source if you are comfortable reading C
code but don't know much about data compression in general. The book's JPEG
sample code is far from industrial-strength, but when you are ready to look at a full implementation, you’ve got one here...


Although this is by far the most detailed and comprehensive exposition of JPEG publicly available, we point out that it is still missing an explanation of the most essential properties and algorithms of the underlying DCT technology.

If you think that you know about DCT-based JPEG after reading this book, then you are in delusion. The real fundamentals and corresponding potential of DCT-based JPEG are not publicly known so far, and that is the reason for all the mistaken developments taking place in the image coding domain.


IJG JPEG 9 introduces a reversible color transform for improved lossless compression which is described in a contributed document ISO/IEC JTC1/SC29/ WG1 N 6080 with title "JPEG 9 Lossless Coding", June/July 2012, Paris, France.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm. A PostScript version of the JFIF document is available at http://www.iijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.iijg.org/files/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.ijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS
=================

The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.ijg.org/files/jpegsrc.v9a.tar.gz, and in Windows-compatible "zip" archive format as http://www.ijg.org/files/jpegsr9a.zip.


If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

ACKNOWLEDGMENTS
=================

Thank to Juergen Bruder for providing me with a copy of the common DCT algorithm article, only to find out that I had come to the same result in a more direct and comprehensible way with a more generative approach.

Thank to Istvan Sebestyen and Joan L. Mitchell for inviting me to the ITU JPEG (Study Group 16) meeting in Geneva, Switzerland.

Thank to Thomas Wiegand and Gary Sullivan for inviting me to the Joint Video Team (MPEG & ITU) meeting in Geneva, Switzerland.

Thank to Thomas Richter and Daniel Lee for inviting me to the ISO/IEC JTC1/SC29/WG1 (previously known as JPEG, together with ITU-T SG16) meeting in Berlin, Germany.

Thank to John Korejwa and Massimo Ballerini for inviting me to fruitful consultations in Boston, MA and Milan, Italy.
Thank to Hendrik Elstner, Roland Fassauer, Simone Zuck, Guenther Maier-Gerber, Walter Stoeber, Fred Schmitz, and Norbert Braunagel for corresponding business development.

Thank to Nico Zschach and Dirk Stelling of the technical support team at the Digital Images company in Halle for providing me with extra equipment for configuration tests.

Thank to Richard F. Lyon (then of Foveon Inc.) for fruitful communication about JPEG configuration in Sigma Photo Pro software.

Thank to Andrew Finkenstadt for hosting the ijg.org site.

Last but not least special thank to Thomas G. Lane for the original design and development of this singular software package.

FILE FORMAT WARS
==============

The ISO/IEC JTC1/SC29/WG1 standards committee (previously known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which is misleading because these formats are incompatible with original DCT-based JPEG and are based on faulty technologies.
IJG therefore does not and will not support such momentary mistakes (see REFERENCES). There exist also distributions under the name "OpenJPEG" promoting such kind of formats which is misleading because they don't support original JPEG images.
We have no sympathy for the promotion of inferior formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.
Don't use an incompatible file format! (In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

The ISO committee pretends to be "responsible for the popular JPEG" in their public reports which is not true because they don't respond to actual requirements for the maintenance of the original JPEG specification. Furthermore, the ISO committee pretends to "ensure interoperability" with their standards which is not true because their "standards" support only application-specific and proprietary use cases and contain mathematically incorrect code.

There are currently different distributions in circulation containing the name "libjpeg" which is misleading because they don't have the features and are incompatible with formats supported by actual IJG libjpeg distributions.
One of those fakes is released by members of the ISO committee and just uses the name of libjpeg for misdirection of people, similar to the abuse of the name JPEG as described above, while having nothing in common with actual IJG libjpeg distributions and containing mathematically incorrect code. The other one claims to be a "derivative" or "fork" of the original libjpeg, but violates the license conditions as described under LEGAL ISSUES above and violates basic C programming properties. We have no sympathy for the release of misleading, incorrect and illegal distributions derived from obsolete code bases. Don't use an obsolete code base!

According to the UCC (Uniform Commercial Code) law, IJG has the lawful and legal right to foreclose on certain standardization bodies and other institutions or corporations that knowingly perform substantial and systematic deceptive acts and practices, fraud, theft, and damaging of the value of the people of this planet without their knowing, willing and intentional consent. The titles, ownership, and rights of these institutions and all their assets are now duly secured and held in trust for the free people of this planet. People of the planet, on every country, may have a financial interest in the assets of these former principals, agents, and beneficiaries of the foreclosed institutions and corporations. IJG asserts what is: that each man, woman, and child has unalienable value and rights granted and deposited in them by the Creator and not any one of the people is subordinate to any artificial principality, corporate fiction or the special interest of another without their appropriate knowing, willing and intentional consent made by contract or accommodation agreement. IJG expresses that which already was. The people have already determined and demanded that public administration entities, national governments, and their supporting judicial systems must be fully transparent, accountable, and liable. IJG has secured the value for all concerned free people of the planet.

A partial list of foreclosed institutions and corporations ("Hall of Shame") is currently prepared and will be published later.

TO DO
=====

Version 9 is the second release of a new generation JPEG standard to overcome the limitations of the original JPEG specification, and is the first true source reference JPEG codec. More features are being prepared for coming releases...

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

Found in path(s):
No license file was found, but licenses were detected in source scan.

/*
 * jcinit.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and
 * making an initialization call to each one.
 *
 * Logically, this code belongs in jcmaster.c. It's split out because
 * linking this routine implies linking the entire compression library.
 * For a transcoding-only application, we want to be able to use jcmaster.c
 * without linking in the whole library.
 */

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

/*
 * rdppm.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed PPM format).
 */
/* Portions of this code are based on the PBMPPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
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** implied warranty.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
  0278ff0/rdppm.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2013, Thomas G. Lane, Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software;
that is, the functions of the various modules in the system and the interfaces
between modules. For more precise details about any data structure or calling
convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.
The README file includes references for learning about JPEG. The file
libjpeg.txt describes the library from the viewpoint of an application
programmer using the library; it's best to read that file before this one.
Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an array of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size
determined by the sampling factors, or a single block in a
noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say
pixel, we mean an element of the full-size image, while a sample is an element
of the downsampled image. Thus the number of samples may vary across
components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would
otherwise result.)
*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform
  JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple
  command-line user interface and I/O routines for several uncompressed image
  formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended
sequential, and progressive DCT processes. The library does not support the
hierarchical or lossless processes defined in the standard.

Within these limits, any set of compression parameters allowed by the JPEG
spec should be readable for decompression. (We can be more restrictive about
what formats we can generate.) Although the system design allows for all
parameter values, some uncommon settings are not yet implemented and may
never be; nonintegral sampling ratios are the prime example. Furthermore,
we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a
run-time option, because most machines can store 8-bit pixels much more
compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in
particular the widely used JFIF file format. The library can be used by
surrounding code to process interchange or abbreviated JPEG datastreams that
are embedded in more complex file formats. (For example, libtiff uses this
library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the
JPEG standard but is necessary for typical applications of JPEG. These
functions preprocess the image before JPEG compression or postprocess it after
decompression. They include colorspace conversion, downsampling/upsampling,
and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing,
and even more so in decompression postprocessing. The decompression library
provides multiple implementations that cover most of the useful tradeoffs,
ranging from very-high-quality down to fast-preview operation. On the
compression side we have generally not provided low-quality choices, since
compression is normally less time-critical. It should be understood that the
low-quality modes may not meet the JPEG standard's accuracy requirements;
nonetheless, they are useful for viewers.

*** Portability issues ***
Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:

* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.
JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.
Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (block_size-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy
blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not. Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirectly through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method,
the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

   1A. Startup initialization at the beginning of image processing.
   The individual processing modules to be used in this run are selected and given initialization calls.

   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

   Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:
input data => processing step A => buffer => processing step B => output data

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:
* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
    |-- Preprocessing controller ->
    |   |-- Downsampling
Main controller --->
    |   |-- Forward DCT, quantize
    |-- Coefficient controller -->
    |   |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is
an "object" which may have several different implementations available. One
or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which
  holds the preprocessed input data. This controller invokes preprocessing to
  fill the subsampled-data buffer, and JPEG compression to empty it. There is
  usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data
  buffer, which lies between colorspace conversion and downsampling. Note
  that a unified conversion/downsampling module would probably replace this
  controller entirely.

* Colorspace conversion: converts application image data into the desired
  JPEG color space; also changes the data from pixel-interleaved layout to
  separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required.
  Optionally may perform pixel-level smoothing as well. Processes a "row
  group" at a time, where a row group is defined as Vmax pixel rows of each
  component before downsampling, and Vk sample rows afterwards (remember Vk
differs across components). Some downsampling or smoothing algorithms may
require context rows above and below the current row group; the
preprocessing controller is responsible for supplying these rows via proper
buffering. The downsampler is responsible for edge expansion at the right
edge (i.e., extending each sample row to a multiple of block_size samples);
but the preprocessing controller is responsible for vertical edge expansion
(i.e., duplicating the bottom sample row as needed to make a multiple of
block_size rows).

* Coefficient controller: buffer controller for the DCT-coefficient data.
  This controller handles MCU assembly, including insertion of dummy DCT
  blocks when needed at the right or bottom edge. When performing
  Huffman-code optimization or emitting a multiscan JPEG file, this
  controller is responsible for buffering the full image. The equivalent of
  one fully interleaved MCU row of subsampled data is processed per call,
even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients.
  Works on one or more DCT blocks at a time. (Note: the coefficients are now
  emitted in normal array order, which the entropy encoder is expected to
  convert to zigzag order as necessary. Prior versions of the IJG code did
  the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the
coded data to the data destination module. Works on one MCU per call.
For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object’s methods to change error handling.

* Progress monitor: supports output of “percent-done” progress reports. This object represents an optional callback to the surrounding application; if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Entropy decoding
    |-- Coefficient controller --|
```
As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that need fewer coefficients and emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly
sized outputs are created.) Works on one row group at a time. This module
also calls the color conversion module, so its top level is effectively a
buffer controller for the upsampling->color conversion buffer. However, in
all but the highest-quality operating modes, upsampling and color
conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space,
and change data layout from separate component planes to pixel-interleaved.
Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an
externally specified colormap or an internally generated one. This module
is not used for full-color output. Works on one pixel row at a time; may
require two passes to generate a color map. Note that the output will
always be a single component representing colormap indexes. In the current
design, the output values are JSAMPLEs, so an 8-bit compilation cannot
quantize to more than 256 colors. This is unlikely to be a problem in
practice.

* Color reduction: this module handles color precision reduction, e.g.,
generating 15-bit color (5 bits/primary) from JPEG's 24-bit output.
Not quite clear yet how this should be handled... should we merge it with
colorspace conversion???

Note that some high-speed operating modes might condense the entire
postprocessing sequence to a single module (upsample, color convert, and
quantize in one step).

In addition to the above objects, the decompression library includes these
objects:

* Master control: determines the number of passes required, controls overall
and per-pass initialization of the other modules. This is subdivided into
input and output control: jdinput.c controls only input-side processing,
while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source
manager supplied with the library knows how to read from a stdio stream
or from a memory buffer; for other behaviors, the surrounding application
may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.
As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.
No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

```c
typedef something JSAMPLE; // a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; // ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; // ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; // ptr to a list of color-component arrays
```

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently.
because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as

```
GETJSAMPLE(image[colorcomponent][row][col])
```

where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

```
typedef short JCOEF;a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2];an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW;ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY;ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE;ptr to a list of color component arrays
```

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 coefficient blocks, corresponding to block_size rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.
On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKs, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are
specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and
it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:

1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'être is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all
of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers. Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code
likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

- `jpeg_mem_init`, `jpeg_mem_term`: system-dependent initialization/shutdown
- `jpeg_get_small`, `jpeg_free_small`: interface to malloc and free library routines (or their equivalents)
- `jpeg_get_large`, `jpeg_free_large`: interface to FAR malloc/free in MSDOS machines; else usually the same as `jpeg_get_small/jpeg_free_small`
- `jpeg_mem_available`: estimate available memory
- `jpeg_open_backing_store`: create a backing-store object
  - `read_backing_store`, `write_backing_store`, `close_backing_store`

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). `jpeg_open_backing_store` is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance).
In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.
This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.
No license file was found, but licenses were detected in source scan.

/*
 * jcsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains downsampling routines.
 *
 * Downsampling input data is counted in "row groups". A row group
 * is defined to be max_v_samp_factor pixel rows of each component,
 * from which the downsampler produces v_samp_factor sample rows.
 * A single row group is processed in each call to the downsampler module.
 *
 * The downsampler is responsible for edge-expansion of its output data
 * to fill an integral number of DCT blocks horizontally. The source buffer
 * may be modified if it is helpful for this purpose (the source buffer is
 * allocated wide enough to correspond to the desired output width).
 * The caller (the prep controller) is responsible for vertical padding.
 *
 * The downsampler may request "context rows" by setting need_context_rows
 * during startup. In this case, the input arrays will contain at least
 * one row group's worth of pixels above and below the passed-in data;
 * the caller will create dummy rows at image top and bottom by replicating
 * the first or last real pixel row.
 *
 * An excellent reference for image resampling is
 *
 * The downsampling algorithm used here is a simple average of the source
 * pixels covered by the output pixel. The hi-falutin sampling literature
 * refers to this as a "box filter". In general the characteristics of a box
 * filter are not very good, but for the specific cases we normally use (1:1
 * and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
 * nearly so bad. If you intend to use other sampling ratios, you'd be well
 * advised to improve this code.
 *
 * A simple input-smoothing capability is provided. This is mainly intended
 * for cleaning up color-dithered GIF input files (if you find it inadequate,
 * we suggest using an external filtering program such as pnmconvol). When
 * enabled, each input pixel P is replaced by a weighted sum of itself and its
 * eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
 * where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jcsample.c
No license file was found, but licenses were detected in source scan.

/*
* rdbmp.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2010 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Microsoft "BMP"
* format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
* Currently, only 8-bit and 24-bit images are supported, not 1-bit or
* 4-bit (feeding such low-depth images into JPEG would be silly anyway).
* Also, we don't support RLE-compressed files.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/rdbmp.c
No license file was found, but licenses were detected in source scan.

/*
* cdjpeg.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains common declarations for the sample applications
* cjpeg and djpeg. It is NOT used by the core JPEG library.
*/
/*
 * jmemdos.c
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file provides an MS-DOS-compatible implementation of the system-dependent portion of the JPEG memory manager. Temporary data can be stored in extended or expanded memory as well as in regular DOS files.
 * If you use this file, you must be sure that NEED_FAR_POINTERS is defined if you compile in a small-data memory model; it should NOT be defined if you use a large-data memory model. This file is not recommended if you are using a flat-memory-space 386 environment such as DJGCC or Watcom C.
 * Also, this code will NOT work if struct fields are aligned on greater than 2-byte boundaries.
 * Based on code contributed by Ge' Weijers.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jmemdos.c
No license file was found, but licenses were detected in source scan.

/*
 * wrgif.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains routines to write output images in GIF format.
 * **************************************************************************
 * NOTE: to avoid entanglements with Unisys' patent on LZW compression, this code has been modified to output "uncompressed GIF" files. There is no trace of the LZW algorithm in this file.
 * **************************************************************************
 * These routines may need modification for non-Unix environments or specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/
/*
* This code is loosely based on ppmtogif from the PBMPPLUS distribution
* of Feb. 1991. That file contains the following copyright notice:
* Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
* Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
* Copyright (C) 1989 by Jef Poskanzer.
* Permission to use, copy, modify, and distribute this software and its
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* copyright notice and this permission notice appear in supporting
* documentation. This software is provided "as is" without express or
* implied warranty.
*
* We are also required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated."
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/wrgif.c
No license file was found, but licenses were detected in source scan.

/*
* jdapimin.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* Modified 2009-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-decompression case or the
* transcoding-only case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jdapistd.c. But also see jcomapi.c for routines
* shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-
0278ff0/jdapimin.c
No license file was found, but licenses were detected in source scan.

/*
 * jccoefct.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for compression.
 * This controller is the top level of the JPEG compressor proper.
 * The coefficient buffer lies between forward-DCT and entropy encoding steps.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jccoefct.c

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

/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jeparam.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jcapimin.c

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

/*
 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
Modification developed 2003-2013 by Guido Vollbeding.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This file contains a slow-but-accurate integer implementation of the forward DCT (Discrete Cosine Transform).

A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT on each column. Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on an algorithm described in
The primary algorithm described there uses 11 multiplies and 29 adds.
We use their alternate method with 12 multiplies and 32 adds.
The advantage of this method is that no data path contains more than one multiplication; this allows a very simple and accurate implementation in scaled fixed-point arithmetic, with a minimal number of shifts.

We also provide FDCT routines with various input sample block sizes for direct resolution reduction or enlargement and for direct resolving the common 2x1 and 1x2 subsampling cases without additional resampling: NxN (N=1...16), 2NxN, and Nx2N (N=1...8) pixels for one 8x8 output DCT block.

For N<8 we fill the remaining block coefficients with zero.
For N>8 we apply a partial N-point FDCT on the input samples, computing just the lower 8 frequency coefficients and discarding the rest.

We must scale the output coefficients of the N-point FDCT appropriately to the standard 8-point FDCT level by 8/N per 1-D pass. This scaling is folded into the constant multipliers (pass 2) and/or final/initial shifting.

CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.

Found in path(s):
/opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jfdctint.c

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

/*
 * jpeglib.h
 */

Copyright (C) 1991-1998, Thomas G. Lane.
* Modified 2002-2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file defines the application interface for the JPEG library.
* Most applications using the library need only include this file,
* and perhaps jerror.h if they want to know the exact error codes.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jpeglib.h
No license file was found, but licenses were detected in source scan.

/*
* jinclude.h
*
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file exists to provide a single place to fix any problems with
* including the wrong system include files. (Common problems are taken
* care of by the standard jconfig symbols, but on really weird systems
* you may have to edit this file.)
*
* NOTE: this file is NOT intended to be included by applications using the
* JPEG library. Most applications need only include jpeglib.h.
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jinclude.h
No license file was found, but licenses were detected in source scan.

/*
* cerror.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file defines the error and message codes for the cjpeg/djpeg
* applications. These strings are not needed as part of the JPEG library
* proper.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
*\/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/cderror.h
No license file was found, but licenses were detected in source scan.

\*/

* jdmerge.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2013 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains code for merged upsampling/color conversion.
*
* This file combines functions from jdsample.c and jdcolor.c;
* read those files first to understand what's going on.
*
* When the chroma components are to be upsampled by simple replication
* (ie, box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
* \[
* R = Y + K1 \times Cr
* G = Y + K2 \times Cb + K3 \times Cr
* B = Y + K4 \times Cb
* \]
* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.
*
* This file currently provides implementations for the following cases:
* YCbCr => RGB color conversion only.
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.)
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jdmerge.c
No license file was found, but licenses were detected in source scan.

\*/
* jcmaster.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains master control logic for the JPEG compressor.
* These routines are concerned with parameter validation, initial setup,
* and inter-pass control (determining the number of passes and the work
* to be done in each pass).
*/

Found in path(s):
* /opt/cola/permits/1105853619_1607111336.34/0/kodabb-libjpeg-v9a-0-g0278ff0-tar-gz/kodabb-libjpeg-0278ff0/jcmaster.c

1.1629 gtk 3.22.30-5.el7
1.1629.1 Available under license :

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

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

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

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

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

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

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

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

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

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

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1.1631 wildfly-mod-cluster-undertow

14.0.1.Final

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is
available here:
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getConfidentiality() { return confidentiality; * Set the confidentiality. * @param confidentiality the confidentiality.
} @throws IllegalArgumentException for a null confidentiality public void setConfidentiality(String confidentiality)
{ if (confidentiality == null) throw new IllegalArgumentException("Null confidentiality"); if
(CONFIDENTIALITY_NONE.equalsIgnoreCase(confidentiality)) this.confidentiality =
CONFIDENTIALITY_NONE; else if (CONFIDENTIALITY_SUPPORTED.equalsIgnoreCase(confidentiality))
this.confidentiality = CONFIDENTIALITY_SUPPORTED; else if
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Zstd-jni: JNI bindings to Zstd Library

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1.1666 security-core 3.1.4.RELEASE

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/**
 * A token issued by {@link TokenService}.
 *
 * <p>
 * It is important that the keys assigned to tokens are sufficiently randomised and secured that
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 * are free to use encryption or encoding strategies of their choice. It is strongly recommended that
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* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-
  jar/org/springframework/security/core/token/Token.java
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 * Base64 encoder which is a reduced version of Robert Harder's public domain implementation (version 2.3.7).
 * See <a href="http://iharder.net/base64">http://iharder.net/base64</a> for more information.
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 * @author Luke Taylor
 * @since 3.0
 * /

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* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-
  jar/org/springframework/security/crypto/codec/Base64.java
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* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-
  jar/org/springframework/security/crypto/password/PasswordEncoder.java
* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-
  jar/org/springframework/security/crypto/encrypt/BytesEncryptor.java
* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-
jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
jar/org/springframework/security/crypto/encrypt/CipherUtils.java
jar/org/springframework/security/crypto/encrypt/Encryptors.java
jar/org/springframework/security/crypto/keygen/KeyGenerators.java
jar/org/springframework/security/crypto/keygen/StringKeyGenerator.java
jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
jar/org/springframework/security/crypto/util/EncodingUtils.java
jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
jar/org/springframework/security/crypto/encrypt/TextEncryptor.java
jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java

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/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be checked. May be null
 * in which case implementations should return false, as the null condition can be checked explicitly
 * in the expression.
 * @param permission a representation of the permission object as supplied by the expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

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jar/org/springframework/security/access/PermissionEvaluator.java

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* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-jar/org/springframework/security/access/event/AuthenticationCredentialsNotFoundEvent.java
* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-jar/org/springframework/security/core/context/GlobalSecurityContextHolderStrategy.java
* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-jar/org/springframework/security/core/userdetails/memory/UserAttribute.java
* /opt/cola/permits/1074377970_1607116228.7/0/spring-security-core-3-1-4-release-sources-2-jar/org/springframework/security/access/vote/AuthenticatedVoter.java
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/**
 * Reviews the <code>Object</code> returned from a secure object invocation,
 * being able to modify the <code>Object</code> or throw an {@link
 * AccessDeniedException}. 
 *
 * Typically used to ensure the principal is permitted to access the domain
 * object instance returned by a service layer bean. Can also be used to
 * mutate the domain object instance so the principal is only able to access
 * authorised bean properties or <code>Collection</code> elements.
 *
 * Special consideration should be given to using an
 * <code>AfterInvocationManager</code> on bean methods that modify a database.
 * Typically an <code>AfterInvocationManager</code> is used with read-only
 * methods, such as <code>public DomainObject getByName(id)</code>. If used with
 * methods that modify a database, a transaction manager should be used to
 * ensure any <code>AccessDeniedException</code> will cause a rollback of the
 * changes made by the transaction.
 */
 *
 * @author Ben Alex
 */

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* Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest
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*
* @author Alan Stewart
*
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1.1667 wildfly-security-api 14.0.1.Final

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Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
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Maintained by the GNOME Documentation Project
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Version: 1.0.1
Last Modified: Feb. 5, 2001

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<abstract role="description"><para>
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The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.
For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

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

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

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

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

</sect1>

<sect1 id="terms" label="none">
<title>TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION</title>

<sect2 id="sect0" label="0">
<title>Section 0</title>
<para>
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called <quote>this License</quote>).  Each licensee is addressed as <quote>you</quote>.

</para>

<para>
A <quote>library</quote> 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.  

</para>

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

</para>

<para>
<quote>Source code</quote> 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.

</para>

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

</sect2>

sect2 id="sect1" label="1">
<title>Section 1</title>
<para>
You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
</para>

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

</sect2>

sect2 id="sect2" label="2">
<title>Section 2</title>
<para>
You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

<orderedlist numeration="loweralpha">
<listitem>
<para>
The modified work must itself be a software library.
</para>
</listitem>
<listitem>
<para>
You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
</para>
</listitem>
</orderedlist>

</sect2>
You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

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

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

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

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

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

You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

Section 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.

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

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

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and above); and, if the work is an executable linked with the Library, with the complete machine-readable work that uses the Library, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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.

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.

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.

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:

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.

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.

You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or
distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

</sect2>

<sect2 id="sect9" label="9">
<title>Section 9</title>

<para>
You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

</para>

</sect2>

<sect2 id="sect10" label="10">
<title>Section 10</title>

<para>
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</para>

</sect2>

<sect2 id="sect11" label="11">
<title>Section 11</title>

<para>
If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), 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 distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent

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</para>

<para>
If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.
</para>

<para>
It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.
</para>

<para>
This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.
</para>
</sect2>

<sect2 id="sect12" label="12">
<title>Section 12</title>

<para>
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</para>
</sect2>

<sect2 id="sect13" label="13">
<title>Section 13</title>


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De flesta programvarulicenser r skapade för att ta bort din frihet att ndra och dela med dig av programvaran. GNU General Public License r tvrtom skapad för att garantera din frihet att dela med dig av och frndra fri programvara - fr att frskra att programvaran r fri fr alla dess anvndare.
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<para>Nr vi talar om fri programvara syftar vi p frihet och inte p pris. Vra [General Public License-] licenser r skapade fr att garantera din rtt distribuera och sprida kopior av fri programvara och ta betalt fr den hr tjnsten om du nskar), att garantera att du fr klikoden till programvaran eller kan f den om du s nskar, att garantera att du kan ndra och modifiera programvaran eller anvnda dess delar i ny fri programvara samt slutligen att garantera att du r medveten om dessa rttigheter.</para>

<para>Fr att skydda dina rttigheter, mste vi begrnsa var och ens mjlighet att hindra dig frn att anvnda dig av dessa rttigheter samt fn att krva att du ger upp dessa rttigheter. Dessa begrnsningar motsvaras av en frpliktelse fr dig om du distribuerar kopior av programvaran eller om du ndrar eller modifierar programvaran.</para>

<para>Om du exempelvis distribuerar kopior av en fri programvara, oavsett om du gr det gratis eller mot en avgift, mste du ge mottagaren alla de rttigheter du sjlv har. Du mste ocks tillse att mottagaren fr klikoden eller kan f den om mottagaren s nskar. Du mste ocks visa dessa licensvillkor fr mottagaren s att mottagaren knner till sina rttigheter.</para>

<para>Vi skyddar dina rttigheter i tv steg: <orderedlist numeration="arabic">
<li><para>upphovsrtt till programvaran och</para></li><li><para>dessa licensvillkor som ger dig rtt att kopiera, distribuera och eller ndra programvaran.</para></li></orderedlist></para>

<para>Fr varje upphovsmans skerhet och vr skerhet vill vi fr tydlighets skull klargra att det inte lmnas ngra garantier fr den hr fria programvaran. Om programvaran frndras av ngon annan n upphovsmannen vill vi klargra fr mottagaren att det som mottagaren har r inte originalversionen av programvaran och att frndringar av och felaktigheter i programvaran inte skall belasta den ursprunglige upphovsmannen.</para>

<para>Slutligen skall det sgas att all fri programvara stndigt hotas av programvarupatent. Vi vill undvika att en distributr [eller vidareutvecklare] av fri programvara individuellt skaffar patentlicenser till programvaran och dmed gr programvaran till freml fr gandert. Fr att undvika det hr har vi gjort det tydligt att samtliga programvarupatent mste registreras fr allas fria anvndning eller inte registreras alls.</para>

<para>Hr nedan fljer licensvillkoren fr att kopiera, distribuera och ndra programvaran.</para>

</sect1>

<sect1 id="terms" label="none">
<title>VILLKOR FR ATT KOPIERA, DISTRIBUTERA OCH NDRA PROGRAMVARAN</title>

<sect2 id="sect0" label="0">
<title>Paragraf 0</title>


<para>Under utom kopiering, distribution och ndringar tcks inte av dessa licensvillkor. Anvndningen av Programvaran r inte begrndad och resultatet av anvndningen av Programvaran tcks endast av dessa licensvillkor om resultatet utgr ett Verk baserat p Programvaran (oberoende av att det skapats av att programmet krs). Det beror p vad Programvaran gr.</para>

</sect2>

<sect2 id="sect1" label="1">
<title>Paragraf 1</title>
<para>Du ger kopiera och distribuera exakta kopior av Programvarans kllkod ssm du mottog den, i alla medier, frutsatt att Du tydligt och p ett skligt stt p varje exemplar fster en riktig upphovsrtsklausul och garantiavsgelse, vidhiller alla hänvisningar till dessa licensvillkor och till alla garantiavsgelser samt att till alla mottagaren av Programvaran ge en kopia av dessa licensvillkor tillsammans med Programvaran.</para>

</sect2>

<sect2 id="sect2" label="2">
<title>Paragraf 2</title>

</sect2>

<sect2 id="sect1" label="1">
<title>Paragraf 1</title>
<para>Du ger undantag frndringar filerna har ett tydligt meddelande som berttar att Du ndrat filerna samt vilket datum dessa ndringar gjordes.</para>

</sect2>

<sect2 id="sect1" label="1">
<title>Undantag</title>
<para>Frn den hr skyldigheten undantas det fall att Programvaran frvisso r interaktiv, men i sitt normala utfandre
inte visar ett meddelande av den hr typen. I sdant fall behver Verk baserat Programvaran inte visa ett sdant meddelande som nmns ovan.</para>

</note></para>
</listitem>
</orderedlist></para>

<para>Dessa krav gller det frndrade verket i dess helhet. Om identifierbara delar av verket inte hrrr frn Programvaran och skilgen kan anses vara fristendiga och sjlvstndiga verk i sig, d skall dessa licensvillkor inte glla i de delarna nr de distribueras som egna verk. Men om samma delar distribueras tillsammans med en helhet som innehller verk som hrrr frn Programvaran, mste distributionen i sin helhet ske enligt dessa licensvillkor. Licensvillkoren skall i sdant fall glla fr andra licenstagare fr hela verket och slunda till alla delar av Programvaran, oavsett vem som r upphovsman till vilka delar av verket.</para>

<para>Den hr paragrafen skall slunda inte tolkas som att ansprk grs p rttigheter eller att ifrgastta Dina rttigheter till programvara som skrivits helt av Dig. Syftet r att tills att rtten att kontrollera distributionen av derivativa eller samlingsverk av Programvaran.</para>

<para>Frekomsten av ett annat verk p ett lagringsmedium eller samlingsmedium som innehller Programvaran eller Verk baserat p Programvaran leder inte till att det andra verket omfattas av dessa licensvillkor.</para>

</sect2>

<sect2 id="sect3" label="3">
<title>Paragraf 3</title>

<para>Du ger kopiera och distribuera Programvaran (eller Verk baserat p Programvaran enligt <link linkend="sect2">paragraf 2</link>) i objektkod eller i krbar form enligt villkoren i <link linkend="sect1">paragraf 1</link> och <link linkend="sect2">paragraf 1</link> och <link linkend="sect2">paragraf 2</link> frutsatt att Du ocks gr en av fljande saker: <orderedlist numeration="loweralpha">

<li><para>Bifogar den kompletta kllkoden i maskinlsbar form, som mste distribueras enligt villkoren i <link linkend="sect1">paragraf 1</link> och <link linkend="sect2">paragraf 1</link> och <link linkend="sect2">paragraf 2</link> p ett medium som i allmnhet anvnds fr utbyte av programvara, eller</para>
</li>
<li><para>Bifogar ett skriftligt erbjudande, med minst tre rs giltighet, att ge tredje man, mot en avgift som hgst uppgr till Din kostnad att utfra fysisk distribution, en fullstndig kopia av kllkoden i maskinlsbar form, distribuerad enligt villkoren i paragraf 1 och 2 p ett medium som i allmnhet anvnds fr utbyte av programvara, eller</para>
</li>
<li><para>Bifogar ett skriftligt erbjudande Du fick att erhlla kllkoden. (Det hr alternativet kan endast anvandas fr icke-kommersiell distribution och endast om Du erhllit ett program i objektkod eller krbar form med ett erbjuddande i enlighet med b ovan.)</para>
</li>
</orderedlist></para>

normalt distribueras, antingen i binr form eller som kllkod, med huvudkomponenterna i operativsystemet (kompilator, krna och s vidare) i vilket den krbara programvaran krs, om inte den hr komponenten medfljer den krbara programvaran. </para>

<para>Om distributionen av krbar Programvara eller objektkod grs genom att erbjuda tillgng till att kopiera frn en bestmd plats, d skall motsvarande tillgng till att kopiera kllkoden frn samma plats rknas som distribution av kllkoden, ven om tredje man inte behver kopiera kllkoden tillsammans med objektkoden. </para>

</sect2>

<sect2 id="sect4" label="4">
<title>Paragraf 4</title>

<para>Du ger inte kopiera, ndra, licensiera eller distribuera Programvaran utom p dessa licensvillkor. All vrig kopiering, ndringar, licensiering eller distribution av Programvaran r ogiltig och kommer automatiskt medfra att Du frlrorar Dina rttigheter enligt dessa licensvillkor. Tredje man som har mottagit kopior eller rttigheter frn Dig enligt dessa licensvillkor kommer dock inte att frlora sina rttigheter s lnge de fljer licensvillkoren. </para>

</sect2>

<sect2 id="sect5" label="5">
<title>Paragraf 5</title>


</sect2>

<sect2 id="sect6" label="6">
<title>Paragraf 6</title>

<para>Var gng du distribuerar Programvaran (eller Verk baserat p Programvaran), kommer mottagaren per automatik att f en licens frn den frsta licensgivaren att kopiera, distribuera eller ndra Programvaran enligt dessa licensvillkor. Du ger inte lgga mottagaren ngra andra restriktioner n de som fljer av licensvillkoren. Du r inte skyldig att tillse att tredje man fljer licensvillkoren. </para>

</sect2>

<sect2 id="sect7" label="7">
<title>Paragraf 7</title>

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<para>Om delar av den hr paragrafen frklaras ogiltig eller annars inte kan verkstllas skall resten av paragrafen ga
Fortsatt giltighet och paragrafen i sin helhet ga fortsatt giltighet i andra sammanhang. </para>

<para>Syftet med den hr paragrafen r inte att frm Dig att beg patentintreg eller att beg intrng i andra rtighet eller att frm Dig att bstrda giltigheten i sdana rtigheter. Den hr paragrafen har ett enda syfte, vilket r att skydda distributionssystemet fr fri programvara vilket grs genom anvndandet av dessa licensvillkor. Mnga har bidragit till det stora utbudet av programvara som distribueras med hjlp av dessa licensvillkor och den fortsatta giltigheten och anvndningen av det hr systemet, men det r upphovsmanen sjlv som mste besluta om han eller hon vill distribuera Programvaran genom det hr systemet eller ett annat och en licenstagare kan inte tvinga en upphovsman till ett annat beslut. </para>

<para>Den hr paragrafen har till syfte att stlla det utom tvivel vad som anses flja av resten av dessa licensvillkor. </para>

<sect2 id="sect8" label="8">
<title>Paragraf 8</title>

<para>Om distributionen och/eller anvndningen av Programvaran r begrnsad i vissa lnder p grund av patent eller upphovsrttsligt skydd skyddade grnssnitt kan upphovsmanen till Programvaran lgga till en geografisk spridningsklausul, enligt vilken distribution r tillten i lnder frutom dem i vilket det r frbjudet. Om s r fallet kommer begrnsningen att utgra en fullvrdig del av licensvillkoren. </para>

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<sect2 id="sect9" label="9">
<title>Paragraf 9</title>

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</sect2>

<sect2 id="sect10" label="10">
<title>Paragraf 10</title>

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</sect2>

<sect2 id="sect11" label="11"
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</para>

<sect2 id="sect12" label="12">
<title>Paragraf 12</title>

</sect2>

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  <listitem>
    <para id="sect6a">
      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 <link linkend="sect1">1</link> and <link linkend="sect2">2</link> above); and, if the work is an executable linked with the Library, with the complete machine-readable
work that uses the Library, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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excluded. In such case, this License incorporates the limitation as if
written in the body of this License.

</para>
</sect2>

<sect2 id="sect13" label="13">
<title>Section 13</title>

<para>
The Free Software Foundation may publish revised and/or new
versions of the Lesser 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.
</para>

<para>
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conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.
</para>
</sect2>

<sect2 id="sect14" label="14">
<title>Section 14</title>

<para>
If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.
</para>
</sect2>

<sect2 id="sect15" label="15">
<title>NO WARRANTY</title>

<subtitle>Section 15</subtitle>

<para>
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Aitzinsolasa


Software libreaz hitz egiten dugunean, askatasunari buruz ari gara, eta ez prezioari buruz. Gure Lizentzia Publiko Orokorren xedea da software librearen kopiarik banatzeko (eta, nahi izanez gero, zerbitzu horrengatik kobratzeko) askatasuna duzula ziurtatzea, iturburu-kodea hasako duzula edo, nahi izanez gero, hartzeko aukera
duzula bermatzea, softwarea aldatzeko edo software zatiak beste programa libre berri batzuetan erabiltzeko eskubidea duzula segurtatzea eta gauza horiek egin ditzakezula jakinaraztea.

Zure eskubideak babesteko, norbaitek zuri eskubide hauek ukatzea edo eskubide horiei uko eginaraztea debekatzeko eta eragoztero mugak jarri behar ditugu. Mugaketa horien ondorioz, softwarea aldatu edo kopiak banatzen badituzu, zenbait erantzukizun hartuko dituzue zure gain.

Adibidez, horrelako programa baten kopiak banatzen badituzu, bai doan eta bai kuota baten truke, zuk dituzun eskubide guztiak eman behar dizkiezu hartzaildee. Beraiek ere iturburu-kodea jasotzen dutela edo jaso dezaketela ziurtatu behar duzu. Eta baldintza hauek eurakutsi behar dizkiezu, zer eskubide dituzten jakin dezaten.

We protect your rights with two steps:

- copyright the software, and
- offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Horrez gainera, egile oro eta geure burua babestearren, ziurtatu nahip dugu jende guztiak ulertzen duela software libre honek ez duelako inolako bermerik. Norbaitek softwarea aldatu eta beste bati pasatzen badio, hartzaildeak, berak jaso duena ez dela jatorrizkoa jakitea nahi dugu, besteen eraginez sortzen diren arazoek kalterik egin ez diezaioten jatorrizkoaren egilearen ospe edo izen onari.

Azkenik, aipatu beharrekoa da software-patenteek etengabe mehatxu egiten diotela edo zein programa libre baten birbanatzaileek patente-lizentziak banaka eskuratu eta, ondorioz, programaren jabe egitearen arriskua ekidin nahi dugu. Hori gerta ez dadin, argi utzi dugu patente guztiek edonork askatasun ez erabiltzeko lizentzia izan behar dutela, edo, bestela, inongo lizentziarik ez.

Softwarea kopiatzeko, banatzeko eta aldatzeko baldintza zehatzak dituzu jarraian:


Programaren iturburu-kodea jaso bezala literalki kopiatu eta banatu dezakezu, edozein euskarritan, baldin eta behar bezala eta ikusteko moduan jartzen baidoizu kopia bakoitzari egile-eskubideen oharra eta bermerik ez duela dioen oharra; Lizentziari eta bermerik ezari dagokzkon ohar guztiaik oso-osorik mantentzen badituza; eta Programaren hartzaile guztiei Lizentziaren kopia ematen badiez Programarekin batera.

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

1. You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
2. You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
If the modified program normally reads commands interactively when run, you
must cause it, when started running for such interactive use in the most
ordinary way, to print or display an announcement including an appropriate
copyright notice and a notice that there is no warranty (or else, saying
that you provide a warranty) and that users may redistribute the program
under these conditions, and telling the user how to view a copy of this
License.

<para>
Aldatua izan den lanari bere osotasunean hartuta aplikatuko zaizkio betebehar horiek. Lan horren atal
identifikagarriak ez badira Programatik eratorritakoak, eta ondorioz lan independente eta bereizitzat har baldin
badaitezke, Lizentzia hau eta baldintzak ez zaizkie atal horiei aplikatuko lan independente gisa banatzerakoan. Baina
atal horiek Programan oinarritutako lan oso baten zati bezala banatzen badituzu, lan oso horren banaketa Lizentzia
honen baldintzak betez egin behar da, eta lizentzia honek beste lizentziadun hatzuentzat dituen baimenek osorik
hartzent dute, eta, beraz, zati bakoitza eta zati guztiak, nork idatziak diren kontuan hartu gabe.</para>

<para>Honela, beraz, atal honen xedea ez da zuk osoki idatzi-tako lanaren eskubideak eskatu edo exijitzea, baizik
 eta Programan oinarritutako lan eratorrien edo talde-lanen banaketa kontrolatzeko eskubidea baliatzea.</para>

<para>Horrez gainera, Programari (edo programaren oinarritutako lan bati) Programan oinarritu gabeko beste lan
bat gehitzen bazaio biltx-m-bolen batean edo banaketarako euskarri batean, gehitze hutsarenagatik beste lan hori ez
da sartuko Lizentzia honen esparruan.</para>

<sect id="sect3" label="3">
<title>3. atala</title>
<para>You may copy and distribute the Program (or a work based on it, under
<link linkend="sect2">Section 2</link>) in object code or executable form under the terms of
<link linkend="sect1">Sections 1</link> and <link linkend="sect2">2</link> above provided that
you also do one of the following:

<orderedlist numeration="loweralpha">
  <listitem>
    <para>
      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; or,
    </para>
  </listitem>
  <listitem>
    <para>
      Accompany it with a written offer, valid for at least three years, to give any
      third party, for a charge no more than your cost of physically performing source
      distribution, a complete machine-readable copy of the corresponding source code,
      to be distributed under the terms of Sections 1 and 2 above on a medium customarily
      used for software interchange; or,
    </para>
  </listitem>
  <listitem>
    <para>
      Accompany it with the information you received as to the offer to distribute
      corresponding source code. (This alternative is allowed only for noncommercial
      distribution and only if you received the program in object code or executable form
      with such an offer, in accord with Subsection b above.)
    </para>
  </listitem>
</orderedlist>

4. atala

Lizentzia honen baitan espresuki adierazitakoak bete gabe debekatuta dago Programa kopiatu, aldatu,
azpilizentziatu edo banatzea. Beste era batean Programa kopiatu, aldatu, azpilizentziatu edo banatzeko saio oro deuseza izango da, eta Lizentzia honen baitan dauzkazun eskubideak automatikoki kenduko zaizkiztu. Dena den, Lizentzia honen pean zuregandik kopiar edo eskubideak jaso dituztenei ez zaizkio izentziak kenduko, baldintza guztiak betetzen badituze.</para>

</sect2>

<sect2 id="sect5" label="5">
<title>5. atala</title>


</sect2>

<sect2 id="sect6" label="6">
<title>6. atala</title>

<para>Programa (edo Programan oinarritutako edozein lan) birbanatzen duzun bakoitzean, hartzaila edo automatikoki jasotzen du jatorrizko lizentzia-emailearengandik Programa kopiatu, banatu edo aldatzeko lizentzia, baldintza hauetan. Hemen ematen diren eskubideei dagokienez, ezin diozu bestelako murriztapenik ezarri hartzaileri. Ez da zure ardura hirugarrenei Lizentzia hau betearaztea.</para>

</sect2>

<sect2 id="sect7" label="7">
<title>7. atala</title>


<para>Atal honen zatiaren bat baliogabeko edo bete ezina bada egoera bereziren batean, atalaren gainerako guztia aplikatu beharko da, eta atala bere osotasunean aplikatu beharko da beste egoeretan.</para>

<para>Atal honen xedea ez da patenteak edo jabetza-eskubideen eskakizunak ez betetzera bultzatzea edo halako eskakizunen baliozkotasuna ukatzea; atal honen xede bakarra da software librearen banaketa-sistemaren zuzentasuna babestea, lizentzia publikoen bidez bideratzen bai eta sistema horren baino ekipar ekarpen oparotua egin dio jende askok, sistema modu iraunkorrean aplikatuko dako edo. Egile/emailearen esku dago erabakitzea beste sistemaren baten bidez banatu nahi duen edo ez, eta lizentziadun batek ezin du halako erabakirik inposatu.</para>

<para>Atal honek argi eta garbi utzi nahi du zer den Lizentziaren gainerako zatiaren ondoriozta jotzen dena.</para>

Free Software Foundation-en behin Lizentzia Publiko Orokorren bertsio berrikusiak edo berriak argitaratutako beste bertsioaren antzekoak izango dira espirituz, baina, arazo edo kezka berriei aurre egia beharko dietenez, litekeena da zehatz-mehatz bat ez etortzea.


BEHARREZKO ZERBITZU GUZTIEN KOSTUA ZURE GAIN HARTU BEHARKO ZENUKE.

<sect2 id="sect12" label="12">
<title>12. atala</title>
<para>LEGE APLIKAGARRIAK EDO IDATZIZ JASOTAKO BORONDATEZKO AKORDIO BATEK HALA ESKATZEN DUELA KO EZ BAD, EZIZANGA DIOZU JABETZA INTELEKTUALAREN ESKUVIDIAUNARI EDO GOIAN BAIMENTZEN DEN BEZALA PROGRAMA BIRBANATU EDO ALDA DEZAKEEN BESTE ALDERDI BATI ERANTZUKIZUNIK ESKATU EZ KALTEENGATIK, EZ PROGRAMAREN ERABILERAREN EDO ERAILTZEKO EZGAITASUNAREN ONDORIOZ SOR DAITEZKEEN KALTE OROKOR, BEREZI, GEHIGARRI EDO ONDORIOZKOENGATIK (BESTEAK BESTE, DATUAK GALTZEA EDO HONDATZEA, EDO ZUK EDO BESTE NORBAITEK JASANDAKO GALERAK, EDO BESTE PROGRAMEkin LAN EGITEKO PROGRAMAREN HUTS EGITEREN BAT), NAHIZ ETA ESKUVIDIAUNARI EDO BESTE NORBAIT HORRI KALTEAK IZAN LITEZKEELA AURRETIK ABISATU IZAN.</para>
</sect2>
</sect1>
</article>
Vsakdo sme razmnoevati in razirjati dobesedne kopije tega dokumenta, ni pa ga dovoljeno spreminjati.

Dovoljenja veine programske opreme so zasnovane tako, da prepreujejo njegovo svobodno razirjanje in spreminjanje. Za razliko od teh pa Splono Javno Dovoljenje GNU (angl. GNU General Public License, GPL) jami svobodo pri razirjanju in spreminjanju proste programske opreme ter s tem zagotovilo, da ostane ta prosta za vse njene uporabnike.

Ko govorimo o prosti programski opremi, imamo s tem v mislih svobodo, ne cene. Splona Javnoca dovoljenja GNU zagotavlja pravico razirjanja kopij proste programske opreme (in po elji zaraunavati za to storitev); pravico do dostopa do izvorne kode; pravico spreminjanja programske opreme ali uporabljanjennih delov v novi prosti programski opremi; in seznanjanje z vsemi temi pravicami.

Zaradi zavarovanja vaših pravic je uvedena omejitev, ki prepoveduje vsakomur, da bi vam te pravice kratil ali od vasa zahteval predajo teh pravic. Te omejitve se prevedejo v vašo odgovornost, e razirjate kopije programske opreme ali jo spreminjate.

Na primer, e razirjate kopije takega programa, bodisi zastonj ali za plailo, morate dati prejemnikom vse pravice, ki jih imate vi. Prepriati se morate, da bodo tudi oni prejeli ali imeli dostop do izvorne kode. In morate jim pokazati te pogoje (opp. izvirnik), da bodo poznavli svoje pravice.

Pravice uporabnika so varovane dvaj korakih: }

Pravno zaito programske opreme in
<para>Prav tako, za zaizo vsakega avtorja in zaradi nene zaizo elimo zagotoviti, da vsakdo razume, da za to prosto programsko opremo ni nobenega jamstva. e je programsko opremo spremenil nekdo drug in ga posredoval naprej, elimo, da njegovi prejemniki vedo, da to, kar imajo, ni izvirnik, zato da se problemi, ki jih povzroijo drugi, ne bodo odraali na ugledu izvornega avtorja.</para>

<para>Konno, vsaki prosti programski opremi nenehno grozijo programski patenti. elimo se izogniti nevarnosti, da bi razbiralesto proste programske opreme posamino dobivali patentna dovoljenja in s tem naredili program lastniki (angl. proprietary). Za prepreitev tega jasno zahtevamo, da mora biti dovoljenje vsakega patenta tako, da ga lahko vsakdo prosto uporablja, ali pa sploh ne sme biti omejen s kakrnikoli dovoljenjem.</para>

<para>Sledijo natanke doloitve in pogoji za razmnoevanje, razirjanje in spreminjanje.</para>

</sect1>

<sect1 id="terms" label="none">
<title>Doloila in pogoji za razmnoevanje, razirjanje in spreminjanje</title>

<sect2 id="sect0" label="0">
<title>Razdelek 0</title>

<para>Dovoljenje se nanaa na vsak program ali drugo delo, ki vsebuje obvestilo lastnika avtorskih pravic (angl. copyright holder) z izjavo, da se program ali drugo delo lahko razirja pod pogoji Splonega Javnega Dovoljenja GNU (angl. General Public License). <quote>Program</quote> se v nadaljevanju nanaa na vsak tak program ali delo, in <quote>delo, ki temelji na tem programu</quote> pomeni bodisi program ali pa katerokoli izvedeno delo po zakonu o avtorskih pravicah (angl. copyright law): se pravi delo, ki vsebuje program ali njegov del, bodisi dobesedno ali s spremembami in/ali prevedeno v drug jezik. (Tukaj in povsod v nadaljevanju je prevod vkljuen brez omejitve v pojem <quote>spremembe</quote>.) Vsak zavezanec k dovoljenju je opredeljen kot <quote>vi</quote>.</para>

<para>Dovoljenje ne pokriva nobenih drugih dejavnosti razen razmnoevanja, razirjanja in sprememb; ostale so izven njenega dosega. Dejanje zagona programa ni omejeno in odvodni zapis programa je zajet le, e njegova vsebina sestavlja delo, iz katerega je izpeljan program (ne glede na to, da je bil narejen z zagnanim programom). Ali je to res ali ne, je odvisno od tega, kaj program dela.</para>

</sect2>

<sect2 id="sect1" label="1">
<title>Razdelek 1</title>

<para>Dovoljeno je razmnoevati in razirjati dobesedne izvode izvorne kode programa v enaki obliki, kot jo dobite, preko kateregakoli nosilca, e je le na vsakem izvodu razlono in primerno objavljeno obvestilo o pravicah razirjanja in zanikanje jamstva; vsa obvestila, ki se nanaajo na to dovoljenje in odsotnost vsakrnegam jamstva pustite nedotaknjena; in da prejmejo vsi drugi prejemniki programa poleg programa e izvod tega dovoljenja.</para>

<para>Za fizino dejanje prenosa kopije lahko zaraunavate in po vai presoji lahko ponudite garancijsko zaito v zameno za plailo.</para>

</sect2>

<sect2 id="sect2" label="2">
<title>Razdelek 2</title>

Dovoljeno je spreminjati va izvod ali izvode programa ali katerikoli njegov del, in tako narediti delo, ki temelji na programu, ter razmnoevati in razirjati takne spremembe ali dela pod pogoji zgornjega <link linkend="sect1">Razdelka 1</link>, e je zadoeno tudi vsem naslednjim pogojem: <orderedlist numeration="loweralpha">
  <listitem>
    <para>Zagotoviti je treba, da spremenjene datoteke nosijo vidna obvestila o tem, da so spremenjena in datum vsake spremembe.</para>
  </listitem>
  <listitem>
    <para>Zagotoviti je treba, da je vsako delo, ki ga razirjate ali izdajate in ki v celoti ali deloma vsebuje program ali katerikoli njegov del ali pa je iz njega izpeljano, objavljeno pod pogoji tega dovoljenja kot celota brez plaila katerikoli tretji osebi.</para>
  </listitem>
  <listitem>
    <para>e spremenjeni program ob zagonu navadno bere ukaze interaktivno, je treba zagotoviti, da se ob najbolj obajnem zagonu za takno interaktivno uporabo izpie ali pokae najava, ki vkljuje ustrezen spoito o pravicah razirjanja in spoito, da jamstvo ni zagotovljeno (ali pa spoito, da ponujate jamstvo) in da lahko uporabniki razirjajo program pod temi pogoji, in pove uporabniku, kako pogledati izvod tega dovoljenja. <note>
      <title>Izjema:</title>
      <para>e je sam program interaktiven, vendar navadno ne izpie takne najave, tudi za vae delo, ki temelji na programu, ni nujno, da jo.</para>
    </note></para>
  </listitem>
</orderedlist></para>

Te zahteve se nanaajo na spremenjeno delo kot celoto. e razdelki tega dela, ki jih je lahko prepoznati, niso izpeljani iz programa in se jih lahko ima za neodvisna in loena dela sama po sebi, potem to dovoljenje in njeni pogoji zanje ne veljajo, kadar jih razirjate loeno. Vendar, kadar te iste razdelke razirjate kot del celote, ki je delo, ki temelji na programu, mora biti razirjanje celote izvedeno pod pogoji tega dovoljenja, katerega dovoljenja za druga dovoljenja se razirjajo na vso celoto in torej na vsak njen del, ne glede na to, kdo ga je napisal.</para>

Torej, namen tega razdelka ni, da bi zanikal ali spodbijal vae pravice do dela, ki ste ga v celoti napisali sami; namesto tega je Namen raziriti pravico do nadzora razirjanja na izpeljana ali zbrana dela, ki temeljijo na programu.</para>

Poleg tega, e gre za zgolj kopijenje drugega dela, ki ne temelji na programu, s programom (ali z delom, ki temelji na programu) na mediju za shranjevanje ali distribucijskem mediju, se dovoljenje na to drugo delo ne nanaa.</para>

</sect2>

<title>Razdelek 3</title>

Program (ali delo, ki temelji na njem, pod doolo <link linkend="sect2">razdelka 2</link>) je dovoljeno razmnoevati in razirjati v objektini kodi ali izvedljivi obiliki pod pogoji zgornjih <link linkend="sect1">razdelkov 1</link> in <link linkend="sect2">2</link>, e izpolnite tudi kaj od tega: <orderedlist numeration="loweralpha">
  <listitem>
opremite ga s popolno in ustreznno izvorno kodo v strojno berljivi obliki, ki mora biti razirjana pod pogoji zgornjih razdelkov 1 in 2 na nosilcu, ki se navadno uporablja za izmenjavo programske opreme; ali,

opremite ga z napisano ponudbo, veljavno vsaj tri leta, da boste katerikoli tretji osebi, za plailo, ki ne bo presegalo vseh strokov fizinoga izvajanja izvorne distribucije, dali popoln izvod ustreze izvorne kode v strojno berljivi obliki, ki bo razirjana pod pogoji zgornjih razdelkov 1 in 2 na nosilcu, ki se obiajno uporablja za izmenjavo programske opreme; ali,

opremite ga s podatki, ki ste jih dobili vi, kot ponudbo distribucije ustreze izvorne kode. (Ta alternativa je dovoljena le za nekomercialne distribucije in le, e ste dobili program v obliki izvorne kode ali izvedljivi obliki s takmo ponudbo, glede na podrazdelek b, zgoraj.)

Izvorna koda pri delih pomeni obliko dela, najprimernejo za izdelavo sprememb. Pri izvedljivem delu pomeni izvorna koda vso izvorno kodo za vse module, ki jih vsebuje, poleg tega pa e morebitne datoteke z definicijami vmesnika, povezane s tem delom in skripte, uporabljane za nadzor prevajanja in namestitve izvedljive datoteke. Vendar - kot posebna izjema - ni nujno, da razirjana izvorna koda vkljuje vse, kar se navadno razirja (v izvorni ali strojni obliki) z vejimi komponentami (prevajalnik, jedro, in tako naprej) operacijskega sistema, na katerem te izvedljiva datoteka, razen e ta komponenta spremlja izvedljivo datoteko.

e se razirjanje izvedljive datoteke ali objektne kode izvede s ponujenim dostopom za prepisovanje z za to namenjenega mesta, potem ponujanje ekvivalentnega dostopa za razmnoevanje izvorne kode z istega mesta jejo kot razirjanje izvorne kode, eprav tretje osebe niso prisiljene razmnoevati izvorne kode poleg objektne kode.

Ni dovoljeno razmnoevati, spreminjati, podrejati dovoljenja ali razirjati programa drugae, kot to izrecno doloa priujoe dovoljenje. Vsak drugi poskus razmnoevanja, spreminjanja, podrejanja dovoljenja ali razirjanja Dokumenta je nien, in samodejno prekine vae pravice, izhajajoe iz tega dovoljenja. Vendar pa se osebam, ki so svoj izvod ali pravice dobile od vas pod tem dovoljenjem, dovoljenje ne prekine, dokler se ji popolnoma podrejajo.

Ni van treba sprejeti pogojev dovoljenja, saj ga niste podpisali. Vendar vam razen nje ni ne dovoljuje spreminjanja ali razirjanja programa ali iz njega izpeljanih del. e ne sprejmete tega dovoljenja, ta dejanja prepoveduje zakon. Torej, s spremembo ali razirjanjem programa (ali kateregakoli dela, ki temelji na programu), pokaete svoje strinjanje s tem dovoljenjem in z vsemi njegovimi doloili in pogoji za razmnoevanje, razirjanje ali spreminjanje programa ali del, ki temeljijo na njem.
Vsaki, ko razirjate program (ali katerokoli delo, ki temelji na programu), prejemnik samodejno prejme dovoljenje izvornega izdajatelja dovoljenja (angl. original licensor) za razmnoževanje, razirjanje ali spreminjanje programa glede na ta določila in pogoje. Ni dovoljeno vsiljevati nobenih nadaljnijih omejitev izvajanja prejemnikovih pravic, podeljenih tu  lj. Niste odgovorni za vsiljevanje strinjanja tretjih oseb s tem dovoljenjem.</para>

Razdelek 6

Razdelek 7

e so vam, kot posledica presoje sodia ali suma kritve patenta ali zaradi kateregakoli drugega razloga (ne omejenega zgolj na patentna vpraanja), vsiljeni pogoji (bodisi z odlokom sodia, sporazumom ali drugae), ki nasprotujejo pogojem tega dovoljenja, vas ne odvezujejo pogojev tega dovoljenja. e programa ne morete razirjati tako, da hkrati zadostite svojim obvezam pod dovoljenjem in katerimkoli drugim pristojnim obvezam, potem posledino sploh ne smete razirjati programa. Na primer, e patentno dovoljenje ne dovoli razirjanja programa brez plačevanja avtorskega honorarja vseh, ki prejmejo kopije neposredno ali posredno od vas, potem je edina mono pot, da zadostite temu pogoju in temu dovoljenju ta, da se v celoti vzdrste razirjanja programa.

Razdelek 8

e sta razirjanje in/ali uporaba programa omejena v določenih dravah, bodisi zaradi patentov ali drugih trditev lastnita pravic ali izpodbijal veljavnost katerihkoli taknih trditev; edini namen tega razdelka je itenje integritete sistema distribucije proste programske opreme, ki je izveden s prakso javnih dovoljenj. Mnogi ljudje so radodarno prispevali k irokemu naboru programske opreme, razirjane preko tega sistema, v upanju na njegovo dosledno izvajanje; od avtorja/dajalca je odvisno, e je pripravljen razirjati programje skozi katerikoli drug sistem, in izdajatelj dovoljenja ne more vsiljevati te izbire.

Razdelek 9

Ustanova Free Software Foundation lahko od asa do asa izdaja preurejene in/ali nove razliice Splonega
Javnega dovoljenja (angl. General Public License). Nove razliice bodo pisane v duhu trenutne razliice, vendar se lahko razlikujejo v podrobnostih, ki bodo obravnavale nove teave ali poglede.</para>

<para>Vsaki razliici je prirejena razloevalna tevilka razliice. e program doloa tevilko razliice tega dovoljenja, ki se nanaa nanj in »na katerekoli poznej razliice«, imate izbri upotevanja pogojev in doloi bodisi te razliice ali katerekoli poznej razliice, ki jo je izdala ustanova Free Software Foundation. e program ne doloa tevilke razliice tega dovoljenja, lahko izberete katerokoli razliico, ki jo je kdajkoli izdala ustanova Free Software Foundation.</para>

<sect2 id="sect10" label="10">
<title>Razdelek 10</title>
<para>e elite vkljuiti dele programa v druge proste programe, katerih pogoji razirjanja so drugani, piite avtorju in ga prosite za dovoljenje. Za programje, katerega pravice razirjanja ima Free Software Foundation, piite na Free Software Foundation; vasih naredimo izjemo pri tem. Nao odloitev bosta vodila dva cilja: ohranitev prostega statusa vseh izvedenih del iz nae proste programske opreme in spodbujanje razdeljevanja in ponovne uporabe programja na splono.</para>
</sect2>

<sect2 id="sect11" label="11">
<title>BREZ JAMSTVA</title>
<subtitle>Razdelek 11</subtitle>
<para>KER JE PROGRAM Z DOVOLJENJEM OPREDELJEN KOT BREZPLAEN, NI NOBENEGA JAMSTVA ZA PROGRAM DO MEJE, KI JO DOLOA PRISTOJNI ZAKON. RAZEN, E NI DRUGAE NAPISANO, IMETNIKI PRAVIC RAZIRJANJA IN/ALI DRUGE OSEBE PONUJAJO PROGRAM »TAK, KOT JE«, BREZ ZAGOTOVILA KAKRENEKOLI VRSTE, NEPOSREDNEGA ALI POSREDNEGA, KAR VKLJUUE, A NI OMEJENO NA POSREDNA JAMSTVA CENOVNE VREDNOSTI IN PRIMERNOSTI ZA DOLENO UPORABO. CELOTNO TVEGANJE GLEDE KAKOVOSTI IN DELOVANJA PROGRAMA PREVZAMETE SAMI. E SE PROGRAM IZKAE ZA OKVARJENEGA, SAMI NOSITE STROKE VSEH POTREBNIH STORITEV, POPRAVIL ALI POPRAVKOV.</para>
</sect2>

<sect2 id="sect12" label="12">
<title>Razdelek 12</title>
<para>V NOBENEM PRIMERU, RAZEN E TAKO PRAVI VELJAVNI ZAKON ALI JE PISNO DOGOVORJENO, NE BO LASTNIK PRAVIC RAZIRJANJA ALI KATERAKOLI DRUGA OSEBA, KI LAHKO SPREMENI IN/ALI PONOVNO RAZIRJA PROGRAM, KOT JE DOVOLJENO ZGORAJ, PREVZEL ODGOVORNOSTI ZARADI KODE, NAJSI GRE ZA SPLONO, POSEBNO, NENAMERNO KODO ALI KODO, IZHAIJOO IZ UPORABLE ALI NEZMONOSTI UPORABLE PROGRAMA (VKLIJUO Z, A NE OMEJENO NA, IZGUBO PODATKOV ALI NENATANNO OBDELAVO PODATKOV ALI IZGUBO, POVZROENO VAM ALI TRETJIM OSEBAM ALI NEZMONOST PROGRAMA, DA BI DELOVAL S KAKIM DRUGIM PROGRAMOM), ETUDI JE BIL TAK LASTNIK ALI DRUGA OSEBA OBVEEN O MONOSTI NASTANKA TAKNE KODE.</para>
</sect2>
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http://developer.gnome.org/projects/gdp
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Last Modified: Feb. 5, 2001

GNU Haedadura Txikiagoko Lizentzia Publiko Orokorra

Free Software Foundation, Inc.

Softwarea partekatzeko eta aldatzeko askatasuna kentzeko diseinatuta da
software-lizentzia gehienak. Aitzitik, software librea partekatuko aldatzeko
duzun askatasuna bermatzea da GNU Lizentzia Publiko Orokorra xedeta,
softwarea erabiltzaile guztietatik librea izango dela
ziurtatzea.

Software libreaz hitz egiten dugunean, askatasunari buruz ari gara, eta ez prezioari buruz. Gure Lizentzia Publiko Orokorren xedea da software librearen kopiarri banatzeko (eta, nahi izanez gero, zerbitzu horrengatik kobratzeko) askatasuna duzula ziurtatzea, iturburu-kodea jasoko duzula edo, nahi izanez gero, hartzeko aukera duzula bermatzea, softwarea aldatzeko edo software zatiak beste programa libre berri batzuetan erabiltzeko eskubidea duzula segurtatzea eta gauza horiek egin ditzakezula jakinaraztea.


Zure eskubideak babesteko, banatzaileek zuri eskubide hauek ukatzea edo eskubide horiei uko eginaraztea debekatzeko eta eragozko mugak jarri behar ditugu. Mugaketa horiekin ondorioz, liburutegia aldatu edo kopiarri banatzen baditu edo, zenbait erantzuzuzen hartzaileei eman behar dizkigu.


Bi urratsez osatutako metodoarekin babesten ditugu zure eskubideak: (1) liburutegiaren egile-eskubideak erregistratzan ditugu, eta (2) liburutegia kopiatzeko, banatzeko eta/edo aldatzeko legezko baimena ematen dizun lizentzia eskaintzen dizugu.

Banatzaileak babesteko, argi utzi nahi dugu liburutegi libreak ez duela bermerik. Norbaitek liburutegi aldatzen eta banatzen nahi, hartzaileek jakin behar dute haiek dutena ez dela jatorrizko bertsioa, eta, beraz, besteren batek sortutako arazoen ez dutela jatorrizko egilearen ospea kaltetuko.

Azkenik, software-patenteak etengabea arriskua dira programa libreentzat. Ziurtatu nahi dizugu enpresa batek ezin dituela programa libre baten erabiltzaileak mugatuko patentea duenaren lizentzia murritzaila lortuz. Horregatik, azpimarratzen dugu liburutegiaren bertsio batetik eskuratutako patenteak lizentzia honetan zehazten den
erabilera-askatasuna izan beha duela.</para>

<para>GNU softwarearen zati handiena, liburutegi batzuk barne, GNU Lizentzia Publiko Orokorren baldintzapean dago. GNU Hedadura Txikiagoko Lizentzia Publiko Orokorra liburutegi jakin batzuei aplikatzen zaie, eta Lizentzia Publiko Ororretik asko desberdintzen da. Lizentzia hori liburutegi batzuetan erabiltzen dugu programa libreak ez diren programen liburutegietara estekatu ahal izateko. </para>


<para>Lizentzia honi <quote>Hedadura Txikiagoko</quote> Lizentzia Publiko Orokorra deitzen diogu, erabiltzailearen askatasuna Lizentzia Publiko Orokor arruntak baino gutxiago babesten baintu. Bestalde, software librearen garatzaleei abantaila gutxiago eskaintzen dizkie programa ez-libreekin lehian aritzetari dagokionez. Eragozen horiengatik erabiltzen dugu Lizentzia Publiko Orokor arrunta hainbat liburutegirantzat. Hala ere, Hedadura Txikiagoko lizentziak abantailak eskaintzen ditu egoera berezietan.</para>


<para>Beste kasu batzuetan, liburutegi jakin bat programa ez-libreetan erabilitzeko baimena emateak software librea jende gehiagok erabilteza ahalbidetzen du. Adibidez, GNU C Liburutegia programa ez-libreetan erabilitzeko baimenari esker, jende gehiagok erabiltezen ditu GNU sistema eragile osoa eta bere aldaera, hau da, GNU/Linux sistema eragilea.</para>

<para>Hedadura Txikiagoko Lizentzia Publiko Orokorrek erabiltzailearen askatasuna gutxiago babestu arren, liburutegiarekin estekatutako programa baten erabiltzaileari programa hori liburutegiarenen bertsio aldatu batean erabilteko askatasuna eta baliabideak ematen ditzke. </para>

<para>Softwarea kopiatzeko, banatzeko eta aldatzeko baldintza zehatzak ditu zuruzendar: arretat irakurri zein den <quote>liburutegian onartutako lan</quote>aren eta <quote>liburutegia erabilitzen duen lan</quote>aren arteko ezberdintasuna. Lehenengo lanak liburutegitik eratorritako kodea du; bigarren lana, aldiz, liburutegiarekin konbinatu behar da exekutatu ahal izateko.</para>

</sect1>

<sect1 id="terms" label="none">
<title>KOPIATZEKO, BANATZEKO ETA ALDATZEKO BALDINTZAK</title>
</sect1>

<sect2 id="sect0" label="0">
<title>0. atala</title>
</sect2>

<para>Hedadura Txikiagoko Lizentzia Publiko Orokor honen (<quote>Lizentzia hau</quote> ere deitua) baldintzaean banatu daitekeela adierazten duen oharra jarri baldin baido egile-eskubideen jabeak software-
liburutegi bati edo beste programa bati, lizentzia-kontratu hau aplikatuko zaio liburutegi edo programa horri. Lizentziadun oro adierazteko, <quote>zu</quote> erabiltzen da.</para>

<para><quote>Liburutegia</quote> software-funtzioen eta/edo datuen bilduma bat da, exekutagarriak sortzearen aplikazio-programekin behar bezala estekatzeko prestatuak (aplikazio-programek funtzio eta datu horietako batez erabilteke dituzte). </para>


<para>Lizentzia honi dagozkion jarduera bakarrak kopiatzea, batzuketa eta aldatzea dira; bestelako jarduerak lizentzia honen esparrutik kanpo ematen ditu. Programa bat Liburutegia erabiliratzea ez dago mugatuta, eta programa honen emaitza babestuta egongoa da haren edukia liburutegian oinarritutako lana bada soilik (Liburutegia idazteko tresna batean erabili den edo ez kontuan hartu gabe). Egia den edo ez, Liburutegiak egiten duenaren eta Liburutegia erabilteke duen programak egiten duenaren araberako da.</para>

</sect2>

<sect2 id="sect1" label="1" title="1. atala">
<para>Liburutegiaren iturburu-kode osoa jaso bezala kopiatu eta banatu dezakezu edozonein euskarritan, baldin eta kopia bakoitzari behar bezala eta ikusteko moduan jartzan badozko egile-eskubideen oharra eta bermerik ez duela dioen oharra; Lizentziari eta bermerik ezari dagozkion ohar guztiak oso-osorik uzten badituzu; eta Lizentziaren kopia Liburutegiarekin batera batzen baduzu.</para>

</sect2>

<sect2 id="sect2" label="2" title="2. atala">
<para>Kuota kobra dezaizeko kopia ematearen ekintza fisikoagatik, eta zure esku dago garantia-babesa ematea kuota baten truke.</para>

</sect2>

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

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

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Kopia batean aldaketa hori egindakoan ezin daiteke aldatu, eta GNU Lizentzia Publiko Orokorra aplikatuko zaie kopia horren ondorengo kopia guztiei eta handik eratorritako lanei.

Aukera hori erabilgarria da Liburutegiaren kodearen zati bat liburutegia ez den programa batean kopiatu nahi baduzu.

Liburutegia kopiatu edo banatu dezakezu (edo Liburutegian oinarritutako lana, <link linkend="sect2"&gt;2. atalean</link> azaltzen den bezala) objektu-kodean edo forma exekutagarrian <link linkend="sect1">1.</link> eta <link linkend="sect2">2.</link> ataletako baldintzei jarraiki, baldin eta makina bidez irakurtzeko moduko iturburu-kode osoarekin batera banatzen baduzu, goiko <link linkend="sect1">1.</link> eta <link linkend="sect2">2.</link> ataletan biltzen diren baldintzak betez softwarea trukatzeko eskuarki erabilitzen den euskarrian.

Objektu-kodeen banaketa xede horretarako zehaztutako leku batetik kopiatzeko sarbidea eskainiz egiten bada, leku beretik iturburu-kodea kopiatzeko sarbide baliokidea eskaintzeak iturburu-kodea banatzeko baldintza betetzen du, nahiz eta hirugarren alderdiak ez dauden behartuta objektu-kodearekin batera iturburua.


batek zenbakizko parametroak, datu-egituraren diseinuak eta gehigarriak, makro txikiak eta barneko funtzio txikiak (hamar lerro edo gutxiago luzeran) soilik erabiltzen baditu, objektu-fitxategiaren erabilera mugatuko gabe egono da. Legalki lan eratorria den edo ez kontuan hartu gabe. (Objektu-kodea eta Liburutegiaren zatiak dituzten exekutagarriak <link linkend="sect6">ataleko</link> baldintzen pean banatu dezakuzu. Lan hori duen edozein exekutagarri ere <link linkend="sect6">ataleko</link> sartuko da, Liburutegiarekin zuzenean estekatuta dagoen edo ez kontuan hartu gabe.)

Bestela, lana Liburutegiaren eratorria bada, lanaren objektu-kodea <link linkend="sect6">ataleko</link> baldintzen pean banatu dezakuzu. Lan hori duen edozein exekutagarri ere <link linkend="sect6">ataleko</link> sartuko da, Liburutegiarekin zuzenean estekatuta dagoen edo ez kontuan hartu gabe.

Goiko atalen salbuespen gisa, Liburutegia erabiltzen duen lana Liburutegiarekin kombina edo estekatu dezakezu Liburutegiaren zatiak dituen lana sortzeko, eta lan hori nahi duzun baldintzen arabera banatu dezakezu, betiere, baldintza horiek lana aldatzen utzen badute bezeroak erabili ahal izateko eta ingeniari tzta alderantzizatzen utzen badute aldaketa horiek arazteko.
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable work that uses the Library, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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.

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.

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

</para>
</listitem>
</orderedlist>
</para>

<para>Exekutagarriarentzat, behar den <quote>Liburutegia erabiltzen duen lan</quote>ak exekutagarrī kopiatzeko behar diren datu eta programa-utilitateak eduki behar ditu. Nolanahi ere, aparteko salbuespen gisa, banatzen den materialak ez dauka exekutatzeko erabiltzen den sistema eragilearen osagarri nagusiekin (konpiladorea, nukleoa eta abar) banatu ohi den guztia eman beharrik (iturburu nahiz bitar moduan), baldin eta osagaia bera ez bada exekutagarririarekin batera banatzen.</para>

<para>Baliteke baldintza hori liburutegien jabeari buruz lizentzia ezartzen diren mugekin kontraesanean egotea (normalean ez dira sistema eragilearen batera eotzen). Kontraesan horrek esan nahi du ezin dituzula biak batera erabili banatzen duzun exekutagarri batean.</para>

</sect2>

<sect2 id="sect7" label="7">
<title>7. atala</title>

<para>Liburutegian oinarritutako lana diren liburutegi-eginbideak elkarren ondoan jar ditzakezu liburutegi bakarrean, Lizentzia honetan aipatzen ez diren beste liburutegi-eginbide batzuekin batera, eta horrelako liburutegi konbinatuak banatu ditzakezu, betiere Liburutegian oinarritutako lanaren eta beste liburutegi-eginbide batzuen banaketa bereizia onartzeko bada, eta zuk bi gauza hauek egiten badituzu:</para>

<orderedlist numeration="loweralpha">
  <listitem>
    <para>Liburutegi konbinatua Liburutegian oinarritutako lan berdinaren kopiarekin banatu, beste inolako liburutegi-eginbiderik sartu gabe. Goiko atalean zehaztutako baldintzen pean banatu behar da.</para>
  </listitem>
  <listitem>
    <para>Liburutegi konbinatuan ohar nabarmen bat jarri bere zati bat Liburutegian oinarritutako lana dela adierazi, eta lan beraren konbinatu gabeko formatua non aurkitu daitekeen azaldu.</para>
  </listitem>
</orderedlist>

</sect2>

<sect2 id="sect8" label="8">
<title>8. atala</title>

<para>Debekatuta dago lizentzia honen baitan espresuki adierazitakoa bete gabe Liburutegia kopiatu, aldatu, azpilizentziatu, estekatu edo banatzea. Beste era batean Liburutegia kopiatu, aldatu, azpilizentziatu, estekatu edo banatzea saio oro deuseza izango da, eta Lizentzia honen baitan dauzkazun eskubideak automatikoki kendu egingo zaizkizun. Dena den, Lizentzia honen pean zuregandik kopiak edo eskubideak jaso dituztenei ez zaizkie lizentziak kenduko, baldintza guztia biak betetzen dituzten bitartean.</para>

</sect2>
9. atala


10. atala


11. atala


12. atala

Zenbait herrialdetan Liburutegiaren banaketa edo/eta erabilera mugatzen baldin badute patenteen edo
copyrightdun interfazeen bidez, jatorrizko copyrighta duenak geografikoak mugatu ahal izango du banaketa herrialde horiek kanpoan uzteko, banaketa baziertu gabeko herrialdeetan edo horien artean soilik egin dadin. Halako kasuetan, mugaketa hori Lizentzia honetan sartuta geratuko da, Lizentziaren gorputzean idatzita egongo balitz bezala.</para>


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</note>

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</para>
</sect2>

<sect2 id="sect8" label="8">
<title>Seccion 8</title>

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</sect2>

<sect2 id="sect9" label="9">
<title>Seccion 9</title>

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</para>
</sect2>

<sect2 id="sect10" label="10">
<title>Seccion 10</title>

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</sect2>

<sect2 id="sect11" label="11">
<title>NO WARRANTY</title>
<subtitle>Seccion 11</subtitle>

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<sect2 id="sect12" label="12">
<title>Seccion 12</title>

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<note>
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</para>
</note>

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- Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

</para>
</listitem>
</orderedlist>

</para>

</sect2>

<title>4</title>

</sect2>

<title>5</title>

</sect2>

<title>6</title>

</sect2>
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Daniel Nylander
po@danielnylander.se
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Paragraf 0

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Det förändrade verket måste i sig självt vara ett programvarubibliotek.

De förändrade filerna måste innehålla tydlig information om att du har förändrat filerna och vilket datum dessa förändringar utfördes.

Hela verket måste licensieras utan kostnad till alla tredjemed tillika i Licensen.

Om en modul i det förändrade Biblioteket hänvisar till en funktion eller en datatabell som skall levereras med ett applikationsprogram som använder den modulen, annat n som ett argument nr modulen anropas, måste du fråga att, i händelse av att en applikation inte tillhandahåller funktionen eller tabellen, modulen nd fungerar och utför det den huvudsakliga syftet till.

(Det finns en funktion i ett bibliotek som skall berkna kvadratrots ett klart och väldefinerat syfte oberoende av applikationen. Drfr krvs att samtliga applikationsfunktioner och -tabeller som använder av denna funktion, enligt paragraf 2d, måste vara valfrua: om applikationen inte tillhandahåller det meste kvadratrotsfunktionen nd berkna kvadratrots.)

Dessa krav gäller det förändrade verket i dess helhet. Om identifierbara delar av verket inte hrrr från Biblioteket och rimligen kan anses fristande och separata verk gäller inte licensvillkoren i dessa delar nr de distribueras som separata verk. Om samma delar distribueras som en del av en helhet som innehåller verk baserat p Biblioteket, mste distributionen i sin helhet ske enligt villkoren i Licensen. Licensen skall i sådan fall gilla fr andra licensinnehavare fr hela verket och därmed till varje del av Biblioteket oavsett vem som r upphovsman till de olika delarna.

Avsikten med denna paragraf r inte att hvda rttigheter eller ifrgastta dina rttigheter till ett verk som skrivits helt av dig. Syftet r i stilet att uta rten att kontrollera distributionen av hrledda verk eller kombinerade verk baserade p Biblioteket.

Om det p ett lagrings- eller distributionsmedium finns ett annat verk som inte baseras p Biblioteket (eller ett verk baserat p Biblioteket) tillsammans med Biblioteket omfattas inte det andra verk av Licensen.

Du kan välja att tillämpa villkoren i GNU GPL i stilet nr den hr Licensen fr en viss kopia av Biblioteket. I syfte att gra detta mste du ndra hänvisningar i upphovsrtsklausulerna till GNU GPL, version 2 istilte fr den hr Licensen. (Om det existerar en nyare version av GNU GPL n version 2, kan du ange den versionen i stilet.) Du fr inte gra ngra andra ndringar i upphovsrtsklausulerna.

Nrdringen har genomförs i en viss kopia, r den oterkallelig fr denna kopia, s att GNU GPL gller alla
fljande kopior och hrledda verk som skapas frn den kopian.</para>

<para>Detta alternativ r anvndbart nr du vill kopiera delar av Bibliotekets kod till ett program som inte r ett bibliotek.</para>
</sect2>

<sect2 id="sect4" label="4">
<title>Paragraf 4</title>

<para>Du kan kopiera och distribuera Biblioteket (eller del av det eller verk hrledda ur Biblioteket enligt <link linkend="sect2">paragraf 2</link>) i objektkod eller krbar form enligt villkoren i paragraf <link linkend="sect1">1</link> och <link linkend="sect2">2</link> ovan under frutsttning att du bifogar den kompletta maskinlsbara kllkoden, vilken mste distribueras i enlighet med paragraf <link linkend="sect1">1</link> och <link linkend="sect2">2</link> ovan, p ett medium som i allmnhet anvnds fr utbyte av programvara.</para>

<para>Om distribution av objektkod utfrs genom att erbjuda tillgng till att kopiera den frn en bestmd plats skall motsvarande tillgng till att kopiera kllkoden frn samma plats rnas som distribution av kllkoden, ven om tredjeman inte behver kopiera kllkoden tillsammans med objektkoden.</para>
</sect2>

<sect2 id="sect5" label="5">
<title>Paragraf 5</title>

<para>Ett program som inte innehller del som hrrr frn Biblioteket, men r skapat fr att arbeta med Biblioteket genom att kompileras eller lnkas med det, kallas ett <quote>verk som anvnder Biblioteket</quote>. Ett sdant verk r i sig inte ett hrlett verk av Biblioteket och faller utanfr licensens rckvidd.</para>

<para>Dremot r en lnkning av ett <quote>verk som anvnder Biblioteket</quote> med Biblioteket till en krbar fil en hrledning av Biblioteket (eftersom det innehller delar av Biblioteket) snarare n ett <quote>verk som anvnder Biblioteket</quote>. Den krbara filen tcks i sdant fall av Licensen. I <link linkend="sect6">paragraf 6</link> beskrivs villkoren fr distribution av sdana krbara filer.</para>

<para>Nr ett <quote>verk som anvnder Biblioteket</quote> anvnder material frn en etikettfil som ingr i Biblioteket kan objektkoden fr verket vara ett hrlett verk ur Biblioteket ven om kllkoden inte r det. Denna skillnad r srskilt viktig om verket kan lnkas utan Biblioteket eller om verket i sig r ett bibliotek. Var grnsen gr fr att detta skall vara ett faktum r inte exakt definierat i lagstiftningen.</para>

<para>Om en sdan objektfil endast anvnder numeriska parametrar, datastrukturlayouter, accessor-funktioner, korta makron och kortare inline-funktioner (tio rader eller kortare) r anvndningen av objektfilen obeegrnas, oavsett om det lagligt sett r ett hrlett verk. (Krbara filer som innehller objektkoden samt delar av Biblioteket faller nd under <link linkend="sect6">paragraf 6</link>.)</para>

<para>Om verket r en hrledning ur Biblioteket, kan du distribuera objektkoden fr verket enligt villkoren i <link linkend="sect6">paragraf 6</link>. Samtliga krbara filer som innehller det verket faller ocks under <link linkend="sect6">paragraf 6</link>, oavsett om de r inkade direkt till Biblioteket eller inte.</para>
</sect2>
Undantag från paragraferna ovan kan granska kombination eller inkning av ett verk som använder Biblioteket med Biblioteket fr att skapa ett verk som innehåller delar av Biblioteket samt distribution av verket enligt andra villkor, under frusttning att villkoren tillner ndringar i verket fr kundens egen rknning och omvnt en målighet att ta bort ndringarna.

Varje kopier av verket mste tfljas av ett tydligt meddelande att Biblioteket används i verkets och att Biblioteket och dess anvndning tcks av den hr Licensen. Du mste bifoga en kopior av Licensen. Om verkets under krning visar upphovsrtsklausuler mste du ven inkludera upphovsrtsklausuler fr Biblioteket samt en referens till kopían av denna Licens. Du mste ven gra en av fljande saker: bidla ett skriftligt erbjudande, gllande i minst tre r, att ge samma anvndare materialen upprknade isect6aovan, mot en avgift som inte r hgre n sjlvkostnaden fr distributionen.

Anvnda en lmpig delad biblioteks funktion fr inkning med Biblioteket. En lmpig funktion r en som (1) under rningen anvnder en redan befintlig kopior av biblioteket i stllet fr att kopiera biblioteks funktioner till den kbara filen och (2) fungerar korrekt med en ndrad version av biblioteket, om anvndaren installerar en, s inge den ndrade versionen r gmssnittskompatibel med versionen som verkets skapades fr.

Bifoga ett skriftligt erbjudande, gllande i minst tre r, att ge samma anvndare materialen upprknade i sect6a ovan, mot en avgift som inte r hgre n sjlvkostnaden fr distributionen.

Om distributionen av verkets sker genom erhjude av tillgng till kopiering frn en bestmd plats, erhjuda motsvarande tillgng att kopiera de ovan nmnda materialen frn samma plats.

Kontrollera att anvndaren redan har mottagit en kopior av materialen eller att du redan har skickat en kopior till denna anvndare.


Det kan intrfva att detta krav motsger licensbegrnsningarna i andra patenterade bibliotek som normalt inte medfljer operativsystemet. Sdana begrnsningar inneb fr att du inte kan anvnda de patenterade biblioteken samtidigt
med Biblioteket i en kvar fil som du distribuerar."

</sect2>

<sect2 id="sect7" label="7">
<title>Paragraf 7</title>

<para>Du kan placera biblioteksfunktioner som r ett verk baserat p Biblioteket sida vid sida i ett enskilt bibliotek tillsammans med andra biblioteksfunktioner som inte tcks av Licensen, och distribuera ett sdant kombinerat bibliotek under frutsattning att separat distribution av verket baserat p Biblioteket och av de andra biblioteksmodulerna r tilltet, samt under frutsattning att du gr ngot av fljande:</para>

<orderedlist numeration="loweralpha">
  <listitem>
    <para>Bifogar en kopia av samma verk baserat p Biblioteket, men skild frn andra biblioteksfunktioner. Distributionen mste ske enligt villkoren i ovanstende paragrafer.</para>
  </listitem>
  <listitem>
    <para>Meddelar tydligt i det sammansatta biblioteket att en del av biblioteket r ett verk baserat p Biblioteket samt frklarar var den medfljande separata versionen av samma verk kan terfinnas.</para>
  </listitem>
</orderedlist>

</sect2>

<sect2 id="sect8" label="8">
<title>Paragraf 8</title>

<para>Du fr inte kopiera, ndra, licensiera, lnka till eller distribuera Biblioteket utom p det sitt som uttryckligen anges i Licensen. Alla andra frsk att kopiera, ndra, licensiera, lnka till eller distribuera Biblioteket r ogiltiga och upphver automatiskt dina rttigheter enligt Licensen. Tredje man som har mottagit kopior eller rttigheter frn dig enligt Licensen kommer dock inte att frlora sina rttigheter s Inge de fljer licensvillkoren.</para>

</sect2>

</sect2>

<sect2 id="sect9" label="9">
<title>Paragraf 9</title>


</sect2>

</sect2>

<sect2 id="sect10" label="10">
<title>Paragraf 10</title>

<para>Varje gng du distribuerar Biblioteket (eller verk baserat p Biblioteket) erhller mottagaren automatiskt en licens frn den ursprunglige licensgivaren att kopiera, distribuera, lnka till eller ndra Biblioteket enligt dessa..."
licensvillkor. Du kan inte lgga mottagaren ngra andra begrnsningar av rttigheterna n de som fljer av licensvillkoren. Du r inte skyldig att tillse att tredje man fljer Licensen.</para>

</sect2>

<sect2 id="sect11" label="11">
<title>Paragraf 11</title>

<para>Om, till fljd av ett domstolsutslag eller anklagelse om patentintrng eller av ngot annat skl (ej begrnsat till patentfrfrgor), villkor lggs dig (antingen genom domstolsbeslut, avtal eller p annat stt) som strider mot den hr Licensen, befriar det dig inte frn ngot av villkoren i Licensen. Om du inte kan distribuera Biblioteket och samtidigt uppfylla villkoren enligt Licensen och andra skyldigheter, fr du som en konsekvens inte distribuera Biblioteket. Om exempelvis ett patent inte tillter fri distribution av Biblioteket till alla dem som mottar kopior direkt eller indirekt frn dig, mste du avst helt frn distribution av Biblioteket.</para>

<para>Om ngon del av denna paragraf frklaras ogiltig eller ej verkstllbar i ngot sammanhang skall terstoden av paragrafen glla och paragrafen i sin helhet gller i andra sammanhang.</para>

<para>Syftet med denna paragraf r inte att frm dig att beg intrng i patent eller andra rttigheter eller att frm dig att bestrida giltigheten i sdana rttigheter. Det enda syftet med denna paragraf r att skydda distributionssystemet fr fri programvara vilket gers genom anvndandet av dessa licensvillkor. Mnga mnsskor har lmnat generosa bidrag till det stora utbudet av programvara som distribueras i det hr systemet och stter sin tillit till en fortsatt anvndning av systemet. Det r upphovsmannen sjlv som beslutar om han/hon vill distribuera programvara genom detta eller annat system och en licensinnehavare kan inte framtvinga ett sdant beslut.</para>

<para>Denna paragrafs syfte r att gra helt klart vad som anses vara konsekvensen av terstende delen av Licensen.</para></sect2>

<sect2 id="sect12" label="12">
<title>Paragraf 12</title>

<para>Om distributionen och/eller anvndningen av Biblioteket r begrnsad i vissa lnder, p grund av patent eller upphovsrttsligt skyddade grnssnitt, kan upphovsmannen som placerar Biblioteket under den hr Licensen lgga till en uttrycklig geografisk spridningsklausul, enligt vilken distribution r tillten i lnder frutom dem i vilket det r frbjudet. Om s r fallet kommer begrnsningen att utgra en fullvrdig del av Licensen.</para></sect2>

<sect2 id="sect13" label="13">
<title>Paragraf 13</title>

<para>Free Software Foundation kan ge ut reviderade och/eller nya versioner av LGPL frn tid till annan. Sdana nya versioner kommer i sin helhet att pminna om nuvarande version, men kan skilja sig t i detaljer som berr nya problem eller vervganden.</para>

Om du vill använda delar av Biblioteket i andra fria programvaror vars distributionsvillkor inte är fremliga med dessa skall du skriva till upphovsmannen och begra tillstånd. Fr programvara dr Free Software Foundation har upphovsrätt, skriver du till Free Software Foundation. Vi gränsar undantag från detta. Vår beslut kommer att styras av två ml, nmligen att bevara den fria statusen av alla verk som hrleds ur vr fria programvara samt att frmja delning och teranvndning av programvara i allmnhet.

VEN OM BIBLIOTEKET LICENSIERAS UTAN KOSTNAD, GES INGEN GARANTI FR BIBLIOTEKET, UTOM SDAN GARANTI SOM MSTE GES ENLIGT GLLANDE LAGSTIFTNING. FRUTOM NR S SKRIFTLIGT ANGES, TILLHANDAHLER UPPHOVSRTTSLINEHAVAREN OCH/ELLER ANDRA PARTER BIBLIOTEKET I BEFINTLIGT SKICK (AS IS) UTAN GARANTI AV NGOT SLAG, VARKEN UTRYCKLIGA ELLER UNDERFRSTDDA, INKLUSIVE, MEN INTE BERGRNSAT TILL UNDERFRSTDDDA GARANTIER VID KP OCH LMLIGHET FR ETT VISST NDAML. HELA RISKEN FR KVALITET OCH ANVNDBARHET AV BIBLIOTEKET BRS AV DIG. OM BIBLIOTEKET SKULLE VISA BEHFTAT MED FEL BR DU ALLA KOSTNADER FR FELETS AVHJLPANDE, REPARATION ELLER NÄVNIG SERVICE.

INTE I NGOT FALL, SVIDA INTE DET KRVS ENLIGT GLLANDE LAGSTIFTNING ELLER AVTALAS SKRIFTLIGT, SKALL EN UPPHOVSRTTSINNEHAVARE ELLER ANNAN PART SOM KAN NDRA OCH/ELLER DISTRIBUTUERA BIBLIOTEKET ENLIGT OVAR, VARA SKYLDIG UTGE ERSTTNING FR SKADA DU LIDER, INKLUSIVE ALLMN, DIREKT ELLER INDIRECT SKADA SOM FLER P GRUND AV ANVNDBNING AV, ELLER OMLIGHET ATT ANVNDA, BIBLIOTEKET (INKLUSIVE MEN INTE BEGRNSAT TILL FRLUST AV DATA, DATA SOM FRAMSTLLS FELAKTIGT, FRLUSTER SOM DU ELLER TREDJE MAN LIDER ELLER FEL I BIBLIOTEKET SOM GR ATT DET INTE FUNGERAR MED ANNAN PROGRAMVARA), VEN OM UPPHOVSRTTSINNEHAVARE ELLER ANNAN PART HAR UNDERRTTATS OM MJLIGHETEN TILL SDAN SKADA.

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A jelen licencdokumentumot brki szabadon lemsolhatja s a pontos msolatait terjesztheti, de a mdostsa tilos.

A legtbb szoftver licencei azzal a szndkkal kszltek, hogy minl kevesebb lehetsget adjanak a szoftver megvltoztatsra s terjesztsre. Ezzel szemben a GNU GPL licenccsald clja, hogy garantlja a szabad szoftver msolnak s terjesztsnek szabadsgt, eztilul biztostva a szoftver szabad felhasznlnhatsgt minden felhaszn szmra.


A legtöbb szoftver licencei azzal a szándékkal készültek, hogy minél kevesebb lehetőség adjanak a szoftver megváltoztatásra s terjesztésre. Ezzel szemben a GNU GPL licencecsalad elja, hogy garantálja a szabad szoftver módosításnak s terjesztésnek szabadosztat, ezáltal biztosítva a szoftver szabad felhasználhatság minden felhasználó számára.

A szabad szoftver megjelent nem jelenti azt, hogy a szoftvernek nem lehet ra. A GPL licencek elja, hogy garantálja a szabad szoftver módosításnak szabad terjesztését (s e szolgáltatások általában felszámítják), a forrásbeli elhelyezést, hogy brki szabadon módosíthatja a szoftvert, vagy felhasználhatja a részlet a szabad programokban; s hogy mskok megismerhessék ezt a lehetőséget.

Ez a licenc, a Lesser General Public License (LGPL) vonatkozik a Free Software Foundation speciálisan kialakított szoftvereseményként jellemzően programkönyvtárakra - illetve minden olyan szoftveresemény, amelynek szerzje gy dnt, hogy ezt használja a szerzi jog megjelölésével. N is használhatja, de azt javasoljuk, az alábbi magyarázatok alapján elszín gondolja t, hogy ez a licenc, vagy a sokszos GPL (GNU General Public License) számít-e jobb kvetend stratégiának.

A szerz jogainak vdelmiből korlátozokat kell hozni, amelyek megtevítik, hogy brki megtagadhassa ezeket a jogokat mskotl, vagy brki mst ezekrl val semmiből kinyertszen. Ezek a megszorítható bizonyos felelsségeket jelentenek azok számára, akik a szoftver módosítását terjesztik vagy módosítják.

Ha valaki pl. egy ilyen programkönyvtár módosítását terjeszt, akkor ingyen vagy bizonyos szegélyben, a vonatkozó minden jogot tovább kell adnia a fogad feleknek. Biztosítani kell tovább, hogy megkaphatja legalább is megkapják a forrásforrást is. s a jelen dokumentumban szerepl licencfelületet is el kell juttatni, hogy tisztában legyenek a jogaiakkal.

A jogok vdelmiből (1) a programkönyvtár szerző jogainak vdelmiből s (2) a jelen licenc biztostsibl, amely jogalapot biztost a programkönyvtár módosítását terjesztésére s vdelmiből.

Az egyes terjesztők vdelmiből vilgosz akárjuk tenni: a jelen szabad programkönyvtárra nincs jítlics. Ha a programkönyvtárat módosítják, akkor mindenkihez, aki a módosított változatot kapja, tudnia kell, hogy az nem az eredeti, gy a mskot illeti azok szerint, hogy hibbrósszág meg kaphatja a licencekhez nem lehet hataza az eredeti szerző hitevére.

A legtöbb GNU szoftverre, belértve egyes programkönyvtárakat is, a normál GNU General Public License (GPL) feltételei vonatkoznak. Ez a licenc, a GNU Lesser General Public License (LGPL), meghatározzott programkönyvtárakat vonatkozik, s elég eltér a normál GNU General Public License-tl. Ezt a licencet azt alkalmazzuk bizonyos programkönyvtárakhoz, hogy engedelyezhessék a beépítés nem szabad programokba is.

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Amikor egy programot szeszzerkesztenek egy programknyvtrral, fgitlenl attl, hogy statikusan vagy egy megosztott programknyvtr hasznataval, a kett kombinancia jogilag kzs munknak, az erdeti programknyvtr leszrmazottjnak szmt. A norml GNU General Public License (GPL) felttelek ezrt csak akkor engedi az ilyen szeszzerkesztest, ha a teljes kombinci is megfelel a szabadsg feltteleinek. A GNU Lesser General Public License (LGPL) azonban kevs szigoran rendelkezik ms kdnak a programknyvtrral szeszzerkesztsrl.

A norml GNU General Public License-nek hvjuk ezt a licencet, mert kevesebbet tesz a felhasznl szabadsgnak vdelme rdeken, mint a norml GNU General Public License (GPL). Szintn kevesebb elnyt nyjt a tbbi szabadszoftver-fejlesztnek a versenytrs, nem szabad programokkal szemben. Az ilyen elny miatt hasznltjuk magunk is a norml GNU General Public License-t (GPL) szmos programknyvtrhoz. Nhny specilis esetben azonban a GNU Lesser General Public License (LGPL) hasznalata elnysebb.

Azrt Lesser General Public License-nek hvjuk ezt a licencet, mert kevesebbet tesz a felhasznal szabadsgnak vdelme rdeken, hogy az vhasson a de facto szabvnny. Ehhez engedelyezni kell, hogy a nem szabad programok is hasznhassak a programknyvtrat. Gyakoribb eset az, hogy egy szabad programknyvtr uyanazt a feladatot ltja el, mint a szles krben hasznlt nem szabad programknyvtrak. Ebben az esetben igen kevs elny szmazik a programknyvtr kizrlag szabad szoftverekben felhasznlsla val korltoznak, teht ilyenkor is az LGPL feltteleit hasznlnik.

Ritkn ugyan, de pldul elfordulhat, hogy igny van egy meghatrozott programknyvtrnak a lehet legszlesebb krben trn elterjesztstre, hogy az vhasson a de facto szabvnny. Ehhez engedelyezni kell, hogy a nem szabad programok is hasznhassak a programknyvtrat. Gyakoribb eset az, hogy egy szabad programknyvtr uyanazt a feladatot ltja el, mint a szles krben hasznlt nem szabad programknyvtrak. Ebben az esetben igen kevs elny szmazik a programknyvtr kizrlag szabad szoftverekben felhasznlsra val korltoznak, teht ilyenkor is az LGPL feltteleit hasznlnik.

Megint ms esetekben egy adott programknyvtr nem szabad programokban felhasznlnak engedelyezse azt jelenti, hogy tbb ember hasznhat szabad szoftvert. Pldul a GNU C Programknyvtr felhasznlna nem szabad programokban azt jelenti, hogy sokkal tbb ember hasznhatja a teljes GNU opercis rendszert, illetve annak vltozzat, a GNU/Linux opercis rendszert.

Br az LGPL kevsb vdi a felhasznlk szabadsgt, azt azonban garntlja, hogy a Programknyvtrral szeszzerkesztt program felhasznlna jogosult legyen a program hasznattra a Programknyvtr mdostott vltozatval.

A msolsra, terjesztsre s mdostsra vonatkoz pontos szablyok s felttelek az albbiakban olvashat. Nagyon fontos megklnbztetni a programknyvtron alapul munka s a programknyvtrat felhasznln munka fogalmakat. Az elbbi a programknyvtrbl szmaz kdot tartalmaz, mg az utbbi a futshoz ignyli a programknyvtrat.
A munknak az a formtuma, amelyben a mdostsok elvgzése a legegyszerűbben kivitelezhet. Egy programknyvtron esetben a teljes forrskd az Itala tartalmazott sszes modul forrskdij jelenti, valamint minden hozz tartoz illesztddefincis fjt, valamint a programknyvtron fordss t teleptst szablyoz parancsfjlokat.

Egy munka <quote>Forrskdja</quote> a munknak az a formtuma, amelyben a mdostsok elvgzése a legegyszerűbben kivitelezhet. Egy programknyvtron esetben az mdostsok elvgzése a leggyorsabban kivitelezhető. A mdostsok elvgzése a programknyvtron alapul munka esetén is lehetséges, amennyiben a mdostsok megfelelően definiálódnak a programknyvtron.

Az elmondtatott mdostsok megfelelően definiálódnak a programknyvtron alapul munka esetén is lehetséges, amennyiben a mdostsok megfelelően definiálódnak a programknyvtron.

A mdostsok megfelelően definiálódnak a programknyvtron alapul munka esetén is lehetséges, amennyiben a mdostsok megfelelően definiálódnak a programknyvtron.

A mdostsok megfelelően definiálódnak a programknyvtron alapul munka esetén is lehetséges, amennyiben a mdostsok megfelelően definiálódnak a programknyvtron.

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rszt hasznl alkalmazsprogram biztost, s nem egy tadott argumentumrln van sz annak meghvsakor, akkor mindent el kell kvtani annak rdekben, hogy amennyiben az alkalmazs nem biztostja a szksges fggvnyt vagy adattblt, az adott rsz akkor is mkdkpes maradjon, s vgrehajtsa, amit csak a mkdsbl addan elvgezhet.</para>

<para>(Ha pl dul egy programknyvtr egy fggvnye ngyzetgykt szmt, akkor annak a clja teljesen jl definiilt, az alkalmazstl fgetelni. Vagysis a 2d alpont azt kveteli meg, hogy a fggvny szmra az alkalmazs ital biztostott fggvny vagy adattbla opcionlis legyen: ha az alkalmazs nem biztost ilyet, a ngyzetgyk fggvnynek akkor is ngyzetgykkel kell tudnia szmtani.)</para>

<para>Ezek a felttelek a mdostott munka, mint egszre vonatkoznak. Ha a munka azonosthat rszei nem a Programknyvtron alapulnak s fgetelen munkkknk elklnlten azonosthat, akkor ez a szabloyzs nem vonatkozik ezekre a rszekre, amennyiben azok kln munkaknt kerlnk terjesztsre. Viszont, ha ugyanez a rsz az egz szzeknt kerl terjesztsre, amely a Programknyvtron alapul munka, akkor az egz munka terjesztse csak a jelen dokumentum alapjn lehetsges, amely ebben az esetben a jogokat minden egyes felhaszn szmra kiterjeszti a munka egszre tekintet nkln arra, hogy mlyik rsz ki rta.</para>

<para>E szvegrsznek teht nem az a clja, hogy msok jogait elvegye vagy korltozza a kizrlag sajt maga ltal rt munkkra; a cl az, hogy a jogok gyakorlsa szablyozva legyen a Programknyvtron alapul illetve a gyjemnnyes munkk terjesztse esetben.</para>

<para>Ezenkvl ms munkknak, amelyek nem a Programknyvtron alapulnak, a Programknyvtrral (vagy a Programknyvtron alapul munkval) kzs adathordozn vagy adattroln szerepeltetse nem jelenti a jelen szablyok rvnyessgt azokra is.</para>

</sect2>

<sect2 id="sect3" label="3">
<title>3. szakasz</title>

<para>n vlaszthatja azt, hogy a Programknyvtr egy adott pldnyra vonatkozan a norml GNU General Public License hasznlatt kti ki s nem a jelen Licencet. Ehhez meg kell vltoztatni az erre a licencre hivatkoz szses figyelmeztetst, gy, hogy azok a jelen licenc helyett a norml GNU General Public License (GPL) 2. verzijn hivatkozzanak. (Ha a norml GNU General Public License-bl a 2. verzijn frissebb jelenne meg, akkor azt a verzit is elhtra, ha akarja). Egyb vltoztatst ne tegyen a figyelmeztetsekben.</para>

<para>Miutn a mdosts megtrtnt, az visszafordthatatlan az adott pldnyra vonatkozan, vagyis a GNU General Public License fog vonatkozni annak szses tovbbi msolatra s az abbl a pldnybl szrmzattott szses munkra.</para>

<para>Ez a lehetsg akkor hasznos, ha a Programknyvtr kdjnak egy rsz egy olyan programba akarja illeszteni, amelyik nem programknyvtr.</para>

</sect2>

<sect2 id="sect4" label="4">
<title>4. szakasz</title>

<para>A Programknyvtr (vagy a programknyvtron alapul munka a link linkend="sect2">2. szakasznak</link>

<para>(Ha pl dul egy programknyvtr egy fggvnye ngyzetgykt szmt, akkor annak a clja teljesen jl definiilt, az alkalmazstl fgetelni. Vagysis a 2d alpont azt kveteli meg, hogy a fggvny szmra az alkalmazs ital biztostott fggvny vagy adattbla opcionlis legyen: ha az alkalmazs nem biztost ilyet, a ngyzetgyk fggvnynek akkor is ngyzetgykkel kell tudnia szmtani.)</para>

<para>Ezek a felttelek a mdostott munka, mint egszre vonatkoznak. Ha a munka azonosthat rszei nem a Programknyvtron alapulnak s fgetelen munkkknk elklnlten azonosthat, akkor ez a szabloyzs nem vonatkozik ezekre a rszekre, amennyiben azok kln munkaknt kerlnk terjesztsre. Viszont, ha ugyanez a rsz az egz szzeknt kerl terjesztsre, amely a Programknyvtron alapul munka, akkor az egz munka terjesztse csak a jelen dokumentum alapjn lehetsges, amely ebben az esetben a jogokat minden egyes felhaszn szmra kiterjeszti a munka egszre tekintet nkln arra, hogy mlyik rsz ki rta.</para>

<para>E szvegrsznek teht nem az a clja, hogy msok jogait elvegye vagy korltozza a kizrlag sajt maga ltal rt munkkra; a cl az, hogy a jogok gyakorlsa szablyozva legyen a Programknyvtron alapul illetve a gyjemnnyes munkk terjesztse esetben.</para>

<para>Ezenkvl ms munkknak, amelyek nem a Programknyvtron alapulnak, a Programknyvtrral (vagy a Programknyvtron alapul munkval) kzs adathordozn vagy adattroln szerepeltetse nem jelenti a jelen szablyok rvnyessgt azokra is.</para>

</sect2>
megfelelően) msort meg terjedhet trgykd vagy vgrehajthat ki formában az <link linkend="sect1">1.</link> s <link linkend="sect2">2.</link> szakaszban foglaltak szerint, feltve, hogy a teljes, gp ittal retelmezhet forrskd kisr az anyagot, amelynek terjedtse az<link linkend="sect1">1.</link> s <link linkend="sect2">2.</link> szakaszban foglaltak szerint trmrk, jellemzjen szoftverterjesztsre hasznlt adathordozn. </para>

<para>Ha a trgykd terjedtse azt jelenti, hogy lehetsg van lemsolni egy meghatrozott helyrl, akkor ez teljesti a forrskd terjesztstre vonatkoz ktelezettsget, br a harmadik felek nem ktelesek a forrskdol a trgykdal egyt lemsolni.</para>

</sect2>

<sect2 id="sect5" label="5">
<title>5. szakasz</title>

<para>Az olyan Programknyvvrat, amely nem tartalmazza a Programknyvvr semmilyen rsnek leszinzottt, de gy ksmzt, hogy a Programknyvvrtrral egyttmdjn, hozzforts vagy hozszserkzes fijn, <quote>Programknyvvrat hasznln munkn<br nevezk. Az ilyen munkk elszigetelten nem szmtanak a Programknyvvr szrmzatatott munkjnak, gy a jelen Licenc hatln kvl esnek. </para>

<para>Egy, a <quote>Programknyvvrat hasznln munka</quote> s a Programknyvvr sszeszerkeszte azonban egy olyan vgrehajthat fjt eredmnyez, amelyik a Programknyvvr szrmzatatott munkja (hiszen tartalmazza a Programknyvvr rszeit), nem pedig a <quote>Programknyvvrat hasznln munka</quote>. A vgrehajthat fjira teht vonatkozik a jelen Licenc. A <link linkend="sect6">6. szakasz</link> taglajja az ilyen vgrehajthat fjok terjesztsteinek feltteleinek.</para>

<para>Ha egy <quote>Programknyvvrat hasznln munka</quote> egy olyan fejlcfjl anyagt hasznlnja, amelyik a Programknyvvr rsze, akkor a munka trgykdja lehet a Programknyvvr szrmzatatott munkja, akkor is, ha maga a forrskd nem az. A, hogy ez igaz-e, klsen fontos, ha az adott munka sszeszerksethet a Programknyvvr lkl is, vagy ha a munka maga is egy programknyvvr. Azt, hogy ez mikor igaz, a trvny nem szablyozza pontosan. </para>

<para>Ha egy ilyen objektumfjl csak numerikus parametereket, adatstruktra-elrendezseket, -hozzfrseket, kisebb makrkat s kisebb begyazott fggveteket (nem tbb, mint tz sornyit) hasznln, akkor az objektumfjl hasznlna nem krtltozott, figyelmeztl attl, hogy szrmzatatott munka-e vagy sem. (A trgykot s a Programknyvvr rszeit tartalmak vgrehajthat fjok tovbbra is a <link linkend="sect6">6. szakasz</link> hatlya al tartozn.) </para>

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<para>Ellenkez esetben, ha a munka a Programknyvvr szrmzatatott munkja, akkor a trgykdja terjedthet a <link linkend="sect6">6. szakasz</link> felletteinek megfelelén. A munka tartalmaz vgrehajthat fjok szintn a <link linkend="sect6">6. szakasz</link> hatlya al esnek, akkor is, ha nincsenek kivetlenl a Programknyvvrtrral sszeszerksetve.</para>

</sect2>

<sect2 id="sect6" label="6">
<title>6. szakasz</title>

<para>A fenti szakaszok kiveteknt egy, a <quote>Programknyvvrat hasznln munka</quote> egyesthet vagy szszeszerksethet a Programknyvvrtrral, hogy ltrejijn egy olyan munka, amely tartalmazza a Programknyvvr rszeit, s az ilyen munka terjedtseth az n Ital vlasztott felttelek szerint is, feltve, hogy ezek a felttelek megengedik a munka szabad mdstst a vsrl sajt hasznlatra s az ilyen mdstosok hibakeressre szolg l visszafejtst. </para>
A munka minden egyes pldnyn megfelelően jelzéni kell, hogy a Programknyvtr használja, s hogy a hasznlatot a jelen Licenc szabályozza. Mellkeli kell a jelen Licenc egy pldnyt. Ha a munka vghajtas kzb szerzi jogi megjegyzéseket jelent meg, akkor ezek kzt szerepelnie kell a Programknyvtr szerzi jogi megjegyzsnek is, valamint egy hivatkoznak, amely a felhasznlt a jelen Licenc egy pldnyhoz irnytja. Tovbb az albbiak egyikt biztostani kell: <orderedlist numeration="loweralpha">
  <listitem>
    <para>A munka mell mellkeli kell a Programknyvtr teljes, gppel olvashat forrskdjt, jelzve, hogy a (fenti s 2. szakaszoknak megfelelően terjesztett) munkan milyen mdostok trntek; valamint, ha a munka egy, a Programknyvtrral szzeszerkesztett vghajthat fjl, a teljes Programknyvtrat hasznln munka gppel olvashat kdt, ahhoz hogy trgkdknt s/vagy forrskdknt a felhasznln mdosthassa a Programknyvtr s utna tserkeszthesse azt egy olyan mdostott vghajhatat fjl elltthoz, amely tartalmazza a Programknyvtrat. (Termztesesen elfordulhat, hogy a Programknyvtr definics fjljainak tartalmát megvltotzat felhasznln nem felttlenl lesz kpes jrafordtani az alkalmazst a mdostott definckkak.)</para>
  </listitem>
  <listitem>
    <para>Egy megfelel megosztott Programknyvtr-mechanizmus hasznlata a Programknyvtrral val sszeszerkesztshsz. Megfelel mechanizmus az olyan, amely (1) futsi idben a programknyvtr egy, m r a felhasznln szntgprendszer megtehall pldnyt hasznlna, nem pedig bemsolja a programknyvtr egyes fggvnyeit a vghajhatat fhiba, tobb (2) megfelel mkdik a programknyvtr mdostt vltozatval is, ha a felhasznln egy olyat telept, feltve, hogy a mdostott verzi interf sze kompatibilis azzal a verzival, amelyikkel a munka kszlt. </para>
  </listitem>
  <listitem>
    <para>A munkhoz egy legalbb hrom vig rvnyes rsos ajnlat mellkelse, hogy ugyanazon felhasznln szmra a 6.a alszakaszban megahrozott anyagokat biztostja, nem nagyobb djrt, mint a jelen terjeszts dja.</para>
  </listitem>
  <listitem>
    <para>Ha a munka terjesztse egy adott helyr trtn msols engedlyezst jelenti, akkor egyenrtk hozzfrs biztostsa szksges a fent meghatrozott anyagok ugyanonnan lemsolshoz.</para>
  </listitem>
  <listitem>
    <para>Annak ellenrzsze, hogy a felhasznln mr megkapta ezen anyagok egy pldnyt, vagy hogy mr el lett kldve a felhasznlnak egy pldny.</para>
  </listitem>
</orderedlist></para>

Vghajhatat fjl esetben a Programknyvtrat hasznln munka elvrt formjnak tartalmaznia kell minden adatot s segdprogramot, amelyre szksg van a bllk szrmz vghajhatat fjl elltthoz. Specils kivtelknt a terjesztett anyagoknak nem kell semmi olyat tartalmaznia, amelyek norml esetben azon opercis rendszer f rzeivel (fordt, kernel stb.) egyt kerlnk terjesztstre (akr forrskdknt, akr binris formban), amelyen a vghajhatat fjl futni fog, kivve, ha a komponens maga a vghajhatat fllal egyt rkezik. </para>

Elfordulhat, hogy ez a kvetelmny ellentmond ms szellemi tulajdnt kpez programknyvtrak licenckorltozainak, amelyek norml esetben nem jrnak az opercis rendszer mell. Az ilyen ellentmond azt jelenti, hogy nem hasznlnhatja azokat s a Programknyvtrat egyt egy terjeszteni kvnt vghajhatat fjlban. </para>
<sect2 id="sect7" label="7">
<title>7. szakasz</title>

<p>A programknyvtr egyes rszeit, amelyek a Programknyvtron alapul munknak szmtanak, egym mellett egyetlen programknyvtrban ms programknyvtrak rszeivel egytt, amelyekre nem vonatkozik a jelen Licenc, s az ilyen egyestett programknyvtrat is terjesztheti, feltve, hogy a Programknyvtron alapul munka s a msik programknyvtr rszeinek kln-kln terjesztse egybknt engedlyezett s az albbi kt dolog valamelyik biztostja:</p>

<orderedlist numeration="loweralpha">
<li>
<p>Az egyestett programknyvtr mell mellkeli a Programknyvtron alapul ugyanazon munkt, amely nincs egyestve semmilyen ms programknyvtr rszeivel. Ezt a fenti rszok feltteleinek megfelelen kell terjeszteni.</p>
</li>
<li>
<p>Megfelel figyelmeztetst alkalmaz az egyestett programknyvtr mell a tnyrl, hogy ez rszben a Programknyvtron alapul munka, s elmagyarzza, hogy hol tallhat ugyanazon munka nem egyestett formban.</p>
</li>
</orderedlist>

</sect2>

<sect2 id="sect8" label="8">
<title>8. szakasz</title>

<p>A Programknyvtrat csak a jelen Licencben lertaknak megfelelen szabad lemsolni, terjeszteni, mdostani s allicencbe adni. Az egyb mdon val msols, mdosts, terjeszts s allicencbe ads rvnytelen, s azonnal rvnytelen a dokumentumban biztosott jogosultsokat. Mindazonltal azok, akik a Licencet megszegtl kaptak plnyokat vagy jogokat, tobb gyakorolhatjik a Licenc Ital meghatrozott jogaikat mindaddig, amg teljes mrtkben megfelelnek a Licenc feltteleinek.</p>

</sect2>

<sect2 id="sect9" label="9">
<title>9. szakasz</title>

<p>Nem ktelez elfogadnia ezt a szablyozst, hiszen nem rta al. Ezen kvl viszont semmi ms nem ad jogokat a Programknyvtr vagy a szrmaztatott munkk terjesztsre s mdostsra. Ezeket a cselekedeteket a trvny bteti, ha nem a jelen szerzi jogi szablyozs keretei ktt trtnnek. Mindezek miatt a Programknyvtr (vagy a Programknyvtron alapul munka) terjesztse vagy mdosta a jelen dokumentum szablyainak, s azon bell a Programknyvtr vagy a munka mdostsra, msolsra vagy terjesztsre vonatkoz sszes felttelnek elfogadst jelenti.</p>

</sect2>

<sect2 id="sect10" label="10">
<title>10. szakasz</title>

<p>Minden alkalommal, amikor a Programknyvtr (vagy az azon alapul munka) tovbadsa trtnik, a Programknyvtrat megkap szemly automatikusan hozzjut az eredeti licenctulajdonostl szrmaz licenchez, amely a jelen szablyok szerint biztostja a jogot a Programknyvtr msolsra, terjesztsre, szerkesztshez felhasznlsra s mdostsra. Nem lehet semmilyen mdon tovbb korltozni a fogad flnek az it megadott jogait. A Programknyvtr tovbbadja nem
felels harmadik szemlyekkel betartatni a jelen szabályokat.</para>

</sect2>

<sect2 id="sect11" label="11">
<title>11. szakasz</title>

<p>Ha brsgi hatrozat, szabadalomsrts vlelme, vagy egyb (nem kizrlag szabadalmakkal kapcsolatos) okbl olyan feltteleknek kell megfelelnie (akr brsgi hatrozat, akr megillapods, akr brmi ms eredmenyepp), amelyek ellenteseiak a jelen felttelekkel, az nem menti fel a terjeszt a jelen felttelek figyelembevetele all. Ha a terjeszts nem lehetsges a jelen Licenc s az egyb felttelek ktelezettsgeinek egyettes betartsval, akkor tilos a Programknyvtr terjesztse. Ha pl dul egy licencszabadalom nem engedi meg egy programknyvtr jogd nikli tovbbterjesztst azok szmra, akik kztve vagy kztetlenl megkapjik, akkor az egyetlen mdja, hogy eleget tegyen valaki mindkt feltttelnek, az, hogy ell a programknyvtr terjesztstl.</p>

<p>Ha ennek a szakasznak brmely rsze rvnytelen, vagy nem rvnyesthet valamely krmny folytn, akkor a szakasz fennmarad rszt kell alkalmazni, egyb esetekben pedig a szakasz egsze alkalmazand.</p>

<p>Ennek a szakasznak nem az a clja, hogy a szabadalmak vagy egyb hasonl jogok megsrtsre sztnzn brkit is; mindssze meg szeretn vdeni a szabad szoftver terjesztsi rendszereknek egysgt, amelyet a szabad kreadst szablyoz felttelrendszerek teremtenek meg. Sok ember nagymrtkben jult hozz az e rendszer keretben terjesztett, kifle szoftverekhez, s szmt a rendszer kvetkezetes alkalmazsra; azt a szerz/adomnyoz dnti el, hogy a szoftvert ms rendszer szerint is kzz kvenja-e tenni, s a licencet kapk ezt nem befolyosolhatjik.</p>

<p>E szakasz clja, hogy pontosan tiszttza azt, ami elgondoltsunk szerint a jelen licenc tbbi rsznek a kvetkezmnye.</p>

</sect2>

<sect2 id="sect12" label="12">
<title>12. szakasz</title>

<p>Ha a Programknyvtr terjesztse s/vagy hasznlata egyes orszgokban nem lehetsges akr szabadalmak, akr szerzi jogokkal vdtt felletek miatt, akkor a Programknyvtr szerzi jogainak eredeti tulajdonosa, aki a Programknyvtrat ezen szablyozs alapjn adja krze, egy explicit fldrajzi megtst adhat a terjesztse, s egyes orszgokat kizhat. Ebben az esetben gy tekintend, hogy a jelen licenc ezt a mektst is tartalmazza, ugyangy, mintha az a szvegben lenne lerva.</p>

</sect2>

<sect2 id="sect13" label="13">
<title>13. szakasz</title>

<p>A Free Software Foundation idrl idre kiadja a GNU Lesser General Public License (LGPL) fellvizsglt s/vagy jabb vltozatait. Ezek az jabb dokumentumok az elzek szellemben kshnek, de rsletekben klnbzhetnek, hogy j problmkat vagy agglyokat is kezeljenek.</p>

</sect2>
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      "assembling the Software".

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      programs.

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             the program and any modifications available.

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<othercredit class="translator">
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</orderedlist>

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</sect1>

<sect1 id="terms" label="none">
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<sect2 id="sect0" label="0">
<title>Sección 0</title>

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</sect2>

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<title>Sección 1</title>

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<sect2 id="sect2" label="2">
<title>Sección 2</title>

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Se o Programa en si mesmo interactivo pero non adoita mostrar avisos deste tipo, non necesario que o seu producto baseado no Programa exhiba ningn aviso.

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<sect2 id="sect4" label="4">
<title>Sección 4</title>

<para>Non lle est permitido copiar, modificar, emitir unha sublicencia nin distribuír o Programa ags nos termos especificamente estipulados nesta licenza. Calquera outro intento de copiar, modificar, emitir unha sublicencia ou distribuír o Programa ser considerado nulo, e implicar a cancelación automática dos dereitos que lle concede esta licenza. No entanto, as partes s que vostede concederá copias ou dereitos consonte os termos desta licenza non vern resoltas as sas respectivas licenzas, sempre que cumpran plenamente con todo o que nelas se estipula.</para>

<sect2 id="sect5" label="5">
<title>Sección 5</title>

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</sect2>

<sect2 id="sect6" label="6">
<title>Seccin 6</title>

<para>Cada vez que redistriba o Programa (ou calquera producto baseado no Programa), o receptor recibir automaticamente unha licenza por parte do emisor da licenza orixinal que lle permitir copiar, distribuir ou modificar o Programa consonte estes termos e condicins. Vostede non poder impor ningunha outra restricín sobre o exercicio dos dereitos nela estipulados por parte do receptor. Vostede non responsable hora de esixirlle a un terceiro o cumprimento dos termos estipulados nesta licenza.</para>

</sect2>

<sect2 id="sect7" label="7">
<title>Seccin 7</title>

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</sect2>

<sect2 id="sect8" label="8">
<title>Seccin 8</title>

<para>No caso de que nalgun pases se restrinxa a distribucin e/ou o uso do Programa pola execucin dalgunha patente ou interface protexida por copyright, o titular orixinal do copyright que somete o Programa aos termos desta licenza poder engadir unha limitacín explícita distribucin xeogrfica que exclaa aquellos pases, de xeito que s se
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</sect2>

<sect2 id="sect9" label="9">
<title>Sección 9</title>

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</sect2>

<sect2 id="sect10" label="10">
<title>Sección 10</title>

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</sect2>

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<sect2 id="sect12" label="12">
<title>Sección 12</title>

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Quando falamos software livre, estamos nos referindo a liberdade de uso, no preço. Nossas licenças públicas gerais são desenvolvidas para assegurar que você tenha a liberdade de distribuir cópias de software livre (e cobrar por este serviço se desejar); que você receba o código fonte ou possa acessá-lo se quiser; que você possa mudar o software ou usar partes dele em novos programas livres; e que você seja informado que você pode fazer estas coisas.

Para proteger seus direitos, precisamos fazer restrições que proem distribuidores de negar a você estes direitos ou de pedir que você abra os destes direitos. Estas restrições traduzem a certas responsabilidades para você se você distribuir cópias da biblioteca ou se você modificá-la.

Por exemplo, se você distribuir cópias da biblioteca, seja gratuitamente ou por alguma taxa, você deve dar aos destinatários todos os direitos foram dados, por nós, a você. Você deve garantir que eles, também, recebem ou possam acessar o código-fonte. Se você relacionar outro código com a biblioteca, você deve prover arquivos completos e objetivos aos destinatários, para assim poderem relacioná-los com a biblioteca, depois de fazer mudanças na biblioteca e recompilá-la. E você deve mostrar esses termos, para que eles possam saber seus direitos.

Ns protegemos seus direitos com um método de dois passos: (1) nós registramos o direito autoral da biblioteca e (2) nós oferecemos a você esta licença, o que dá a você a permissão legal de copiar, distribuir e/ou modificar a biblioteca.

Para proteger cada distribuidor, queremos deixar claro que não há garantia para a biblioteca livre. Também, se a biblioteca modificada por outra pessoa e repassada, os destinatários devem saber que o que eles possuem não é a versão original, para que a reputação do autor inicial não seja afetada por problemas que podem ter sido incluídos por outros.

Finalmente, patentes de software apresentam constante ameaça à existência de qualquer programa livre. Nós desejamos assegurar que uma companhia não posa efetivamente restringir os usuários de um programa livre obtendo uma licença restritiva de um detentor de patente. Portanto, nós insistimos que qualquer licença de patente obtida para uma versão da biblioteca deve ser consistente com toda a liberdade de uso especificada nesta licença.

A maioria do software GNU, incluindo algumas bibliotecas, coberto pela Licença Pública Geral GNU. Esta licença, a Licença Pública Geral Branda GNU (GNU Lesser General Public License) se aplica a certas bibliotecas específicas e particularmente diferentes da Licença Pública Geral (General Public License). Nós usamos esta licença para certas bibliotecas de forma a permitir relacionar estas bibliotecas com programas não-livres.

Quando um programa relacionado com uma biblioteca, seja estaticamente ou usando uma biblioteca compartilhada, a combinação das duas, legalmente falando, um trabalho combinado, um trabalho derivado da biblioteca original. A Licença Pública Geral portanto permite tal relacionamento somente se toda a combinação se encaixa no critério de liberdade. A Lesser General Public License permite critérios mais maleáveis para relacionar outro código com a biblioteca.

Ns chamamos esta licença de Licença Pública Geral (Lesser) porque ela protege menos a liberdade dos usuários do que a Licença Pública Geral (General Public Licence) normal. Ela também providencia a outros desenvolvedores de software livre menos vantagem no competição com programas não-livres. Estas desvantagens são a razão de usarmos Licença Pública Geral (General Public License) para várias bibliotecas. No entanto, a licença Branda provê vantagens em certas circunstâncias especiais.

Por exemplo, em raras ocasiões, pode haver uma necessidade especial de encorajar o maior uso possível de uma certain biblioteca, de forma que ela se torne um padrão. Para alcançar isso, programas não-livres devem ser permitidos a...
usar a biblioteca. Um caso mais frequente quando uma biblioteca livre faz o mesmo trabalho que bibliotecas no-
livres muito usadas. Neste caso, h pouco a ganhar limitando a biblioteca somente para software livre, ento usamos a
Licena Pblica Geral Branda (Lesser General Public License).</para>

<para>Em outros casos, permiss para usar uma biblioteca em particular em programas no-livres permite um
nmero maior de pessoas usar uma grande variedade de software livre. Por exemplo, permiss para usar a Biblioteca
GNU C em programas no-livres permite muito mais pessoas a usar todo o sistema operacional GNU, assim como
sua variante, o sistema operacional GNU/Linux.</para>

<para>Apesar da Lesser General Public License ser menos protetora da liberdade dos usurios, ela assegura que o
usurio de um programa que relacionado a Biblioteca tenha a liberdade e os recursos para executar aquele programa
usando uma verso modificada da Biblioteca.</para>

<para>Os termos e condies precisos para cpia, distribuição e modificao seguem. Preste ateno na diferena entre um
<quote>trabalho baseado numa biblioteca</quote> e um <quote>trabalho que usa uma biblioteca</quote>. O
primeiro contm cdigo derivado da biblioteca, enquanto o ltimo deve ser combinado com a biblioteca para que
funcione.</para>

<sect1 id="terms" label="none">
<title>TERMOS E CONDIÉS PARA CPIA, DISTRIBUIÇÃO E MODIFICAÇÃO</title>

<sect2 id="sect0" label="0">
<title>Seio 0</title>
<para>Este Acordo de Licença se aplica a qualquer biblioteca de software ou outro programa que contenha um
aviso colocado pelo proprietário da licença ou outra parte autorizada dizendo que ele pode ser distribuído sob os termos
desta Licença Pública Geral Branda (Lesser General Public License)(também chamada <quote>esta Licença</quote>). Cada licenciado referido como <quote>você</quote>.<para>

<para>Uma <quote>biblioteca</quote> significa uma coleção de funções de software e/ou dados preparado de forma
a ser convencionalmente relacionado com a aplicação de programas((que usa algumas destas funções e dados) para
formar executáveis.</para>

<para>A <quote>Biblioteca</quote>, abaixo, refere-se a qualquer biblioteca de software ou trabalho que tenha
sido distribuído sob estes termos. Um <quote>trabalho baseado na Biblioteca</quote> significa que a Biblioteca
ou qualquer trabalho derivado este sob a lei de direitos autorais: necessita ser dito que, um trabalho contendo uma
Biblioteca ou uma porção dela, seja transcrito ou com modificações e/ou traduzida diretamente em outra linguagem. (Deste
ponto em diante, tradução incluída sem limitação no termo <quote>modificação</quote>.)</para>

<para>Um <quote>cdigo fonte</quote> para um trabalho significa a forma preferida de trabalho para fazer
modificações no mesmo. Para uma biblioteca, o cdigo fonte completo significa todo o cdigo fonte para todos os
módulos que ele contém, mais quaisquer arquivos de definição de interface associados, mais arquivos usados para
controlar a compilação e instalação da biblioteca.</para>

<para>Atividades que não sejam cpia, distribuição e modificação não cobertas por esta Licença; elas estão fora do
alcance da Licença. O ato de executar um programa usando a Biblioteca no restrito, e o retorno deste programa
coberto somente se os conteúdos dele constituírem um trabalho baseado na Biblioteca (independente do uso da
Biblioteca numa ferramenta para escreve-la). Se isso verdade depende do que a Biblioteca faz e o que o programa que usa a Biblioteca faz.</para>

</sect2>

<sect2 id="sect1" label="1">
<title>Seo 1</title>
<para>Você pode copiar e distribuir cópias transcritas do código fonte completo da biblioteca ao recebê-la, em qualquer meio, desde que você clara e apropriadamente publique em cada cópia a nota de direito autoral apropriado e aviso legal de garantia; mantenha intactas todas as notificações que referem a Licença e a ausência de qualquer garantia; e distribua uma cópia desta Licença junto Biblioteca.</para>

<para>Você pode cobrar uma taxa pelo ato físico de transferência da cópia, e você pode por opção oferecer proteção de garantia em troca de uma taxa.</para>

</sect2>

<sect2 id="sect2" label="2">
<title>Seo 2</title>
<para>Você pode modificar sua cópia ou cópias da Biblioteca ou qualquer porção dela, assim formando um trabalho baseado na Biblioteca, e copiar e distribuir tais modificações ou trabalho sob os termos da <link linkend="sect1">Seo 1</link> acima, supondo que você também atenda a todas suas condições: <orderedlist numeration="loweralpha">
<li><para>O trabalho modificado deve, por si só, ser uma biblioteca de software.</para></li>
<li><para>Você deve fazer com que os arquivos modificados carreguem informações proeminentes de que você modificou os arquivos e a data de qualquer mudança.</para></li>
<li><para>Você deve fazer com que todo o trabalho seja licenciado sob nenhuma taxa a todas as terceiras partes sob os termos desta Licença.</para></li>
<li><para>Se uma instalação numa Biblioteca modificada refere a uma função ou a uma tabela de dados a ser fornecida por um programa aplicativo que use a instalação, outro que como um argumento passado quando a instalação e invocada, então você deve fazer um esforço de boa fe para garantir que, no evento de uma aplicação no fornecer tal função ou tabela, a instalação ainda opere, e execute qualquer parte desta proposta continuando significativa.</para>
<p>(Por exemplo, a função na biblioteca para calcular rachas quadradas tem um propósito que totalmente bem definido independentemente da aplicação. Dessa forma, a 2 Subseu requisitou que qualquer função suprida pela aplicação ou tabela usada por essa função deve ser opcional: se a aplicação não suprir isto, a função de raiz quadrada ainda deve calcular rachas quadradas.)</p>
<p>Estes requisitos se aplicam ao trabalho modificado como um todo. Se sees identificáveis do trabalho no so derivadas da Biblioteca, e podem ser razoavelmente considerados trabalhos independentes e separados em si, então esta Licença e seus termos, no se aplicam aquelas seess quando você as distribui como trabalhos separados. Mas quando você distribui as mesmas seess como parte de um todo que um trabalho baseado na Biblioteca, a distribuição do todo deve ser nos termos desta Licença, da qual as permissões para outros licenciados se aplicam para todo o inteiro, e</p>

</para>

</sect2>
assim para toda e cada parte, independente de quem a escreveu.</para>

<para>Assim, no a intenção desta reivindicar direitos ou contestar os seus direitos de trabalho escrito completamente por vocé; preferencialmente, a intenção exercitar o direito de controlar a distribuição de trabalhos coletivos e derivados baseados na Biblioteca.</para>

<para>Em adição, a mera agregação de qualquer trabalho no baseado na Biblioteca com a Biblioteca (ou com um trabalho baseado na Biblioteca) num volume de armazenamento ou meio de distribuição no traz a outro trabalho sob o alcance desta Licença.</para>

<para>Você pode optar por aplicar os termos de licença da Licença Pública Geral GNU normal (GNU General Public License) ao invés desta Licença para dada cópia da Biblioteca. Para fazer isto, você deve alterar todas as notificações que se referem a esta Licença, para que elas refiram-se a Licença Pública Geral GNU normal (GNU General Public License), versão 2, invés desta Licença. (Se uma versão mais nova que a versão 2 da Licença Pública Geral GNU (GNU General Public License) tiver aparecido ento você pode especificar esta versão se desejar.) No faa nenhuma outra mudança nestas modificações.</para>

<para>Uma vez feita a mudança em determinada cópia, isto irreversível para esta cópia, ento a Licença Pública Geral GNU normal se aplica a todas as cópias subsequentes e trabalhos derivados feitos desta cópia.</para>

<para>Esta opção é útil quando você deseja copiar parte do código da Biblioteca para um programa que não uma biblioteca.</para>

<para>Você pode copiar e distribuir a Biblioteca (ou uma porção ou derivada dela, sob <link linkend="sect2">Seção 2</link>) em código objetivo ou de forma executável sob os termos das Seções <link linkend="sect1">1</link> e <link linkend="sect2">2</link> acima fornecido que você acompanhe-a com o código-fonte correspondente em formato lido por máquina, que deve ser distribuído sob os termos das Seções <link linkend="sect1">1</link> e <link linkend="sect2">2</link> acima num meio costumeiramente usado para transação de software.</para>

<para>Se a distribuição do código feita oferecendo acesso a cópia de um local específico, ento oferecer acesso equivalente cópia do código-fonte do mesmo local satisfaz a requerimento de distribuir o código fonte, mesmo se terceiros não tiverem interesse de copiar a fonte junto ao código em questão.</para>
Um programa que contém nenhum derivado de qualquer poro da Biblioteca, mas desenvolvido para trabalhar com a Biblioteca por ser compilado com ela ou ser relacionado a ela, chamado <quote>trabalho que usa a Biblioteca</quote>. Tal trabalho, em isolamento, no um trabalho derivado da Biblioteca, e desta forma, fica fora da competência desta Licença.</para>

No entanto, relacionar um <quote>trabalho que usa a Biblioteca</quote> com a Biblioteca cria um executável que derivado da Biblioteca (porque ela contém poros da Biblioteca), mais do que um <quote>um trabalho que usa a biblioteca</quote>. O executável desta forma coberto por esta Licença. <link linkend="sect6">Seo 6</link>diz os termos para a distribuição de tais executáveis.</para>

Quando um <quote>trabalho que usa a Biblioteca</quote> usa material de um arquivo pai que parte da Biblioteca, o código em questão para o trabalho pode ser um trabalho derivado da Biblioteca mesmo que o código fonte no seja. Se isso verdade especialmente significante se o trabalho pode ser relacionado sem a Biblioteca, ou se o trabalho por si s uma biblioteca. O princípio para isso ser verdade no precisamente definido por lei.</para>

Se tal arquivo objeto usa somente parâmetros numéricos, o layout da estrutura de dados e acessórios, e pequenas macros e pequenas funções internas (dez linhas ou menos de tamanho), ento o código em questão para o trabalho pode ser um trabalho derivado legalmente.<link linkend="sect6">Seo 6</link> diz os termos para a distribuição de tais executáveis.</para>

De outra forma, se o trabalho for derivado da Biblioteca, voc pode distribuir o código objeto para o trabalho sob os termos da <link linkend="sect6">Seo 6</link>. Quaisquer executáveis contendo este trabalho também ficam sob a <link linkend="sect6">Seo 6</link> estando, ou no, relacionados diretamente a Biblioteca.</para>

Como uma exceção as Sees acima, voc pode também combinar ou relacionar um <quote>trabalho que usa a Biblioteca</quote> com a Biblioteca para produzir um trabalho contendo poros da Biblioteca, e distribuir este trabalho sob os termos de sua escolha, dado que os termos permitam modificação do trabalho para o uso do próprio cliente e engenharia reversa para depuração destas modificações.</para>

Voc deve dar aviso proeminente com cada cópia do trabalho que esta Biblioteca usada nela e que a Biblioteca e seu uso são cobertos por esta Licença. Voc deve fornecer uma cópia desta Licença. Se o trabalho, durante esta execução exibe avisos de direitos autorais, voc deve incluir o aviso de direito autoral para a Biblioteca entre eles, assim como uma referência direcionando o usuário a cópia desta Licença. Também, voc deve fazer umas destas coisas: <orderedlist numeration="loweralpha">
  <listitem>
    Acompanhe o trabalho com o correto código-fonte em formato lido por máquina para a Biblioteca, incluindo quaisquer mudanças que foram usadas no trabalho(qual deve ser distribuído sob as Sees <link linkend="sect1">1</link> e <link linkend="sect2">2</link> acima); e, se o trabalho um executável relacionado com a Biblioteca, com o <quote>trabalho que usa a Biblioteca</quote> completo em formato lido por máquina, como código objeto e/ou código-fonte, para que o usuário possa modificar a Biblioteca e ento relacionar novamente para produzir um executável modificado contendo a Biblioteca modificada.( entendido que o usuário que modifica os conteudos de arquivos de definio na Biblioteca no sero necessariamente hbeis a recompilar a aplicao para usar as definies modificadas.)</listitem>
</orderedlist>

Use um mecanismo de biblioteca compartilhada compatível para relacionamento com a Biblioteca. Um mecanismo compatível é um que (1) usa no tempo de execução uma cópia da biblioteca já presente no sistema do computador do usuário, ao invés de copiar funções da biblioteca no executável, e (2) v opera apropriadamente com uma versão modificada, se o usuário instalar uma, contanto que a versão modificada seja compatível com a interface da versão no qual o trabalho foi desenvolvido.

Acompanhe o trabalho com uma oferta escrita, válida por pelo menos três anos, de dar ao mesmo usuário os materiais especificados na <link linkend="sect6a">Subseção 6a</link>, acima, por um valor no maior que o custo de efetuar esta distribuição.

Para um executável, a forma requisitada de <quote>trabalho que usa a Biblioteca</quote> deve incluir qualquer dado ou programas utilitários necessários para reproduzir o executável nele. No entanto, como uma exceção especial, os materiais a serem distribuídos no precisam incluir nada que normalmente distribuido (seja na forma de fonte ou binário) com os componentes principais (compilador, kernel, e assim por diante) do sistema operacional no qual o executável funciona, ao menos que o componente em si acompanhe o executável.

Pode acontecer desse requerimento contradizer as restrições da licença de outras bibliotecas proprietárias que normalmente acompanham o sistema operacional. Tal contradição significa que você não pode usar ambas e a Biblioteca juntos em um executável que você distribuir.

Voc pode posicionar as instalações da biblioteca que são um trabalho baseado na biblioteca lado-a-lado numa única biblioteca juntas a outras instalações da biblioteca no cobertas por esta Licença, e distribuir tal biblioteca combinada, dado que a distribuição separada do trabalho baseado na Biblioteca e das outras instalações da biblioteca seja permitida, e dado que você faça estas duas coisas:
De informação proeminente com a biblioteca combinada do fato que parte dele um trabalho baseado na Biblioteca, e explicando onde achar o formato no combinado do mesmo trabalho, que acompanha.

Você não pode copiar, modificar, sublicenciar, relacionar com, ou distribuir a Biblioteca, exceto como expressamente determinado sob esta Licença. Qualquer tentativa do contrário de copiar, modificar, sublicenciar, relacionar com, ou distribuir a Biblioteca nula, e automaticamente terminará com seus direitos sob esta Licença. No entanto, as partes que receberem cópias, ou direitos, sob esta Licença no terão suas licenças terminadas ao longo que tais partes se mantenham em total complacência.

Você não requisitado a aceitar esta Licença, já que você não a assinou. No entanto, nada mais te dá permissão de modificar ou distribuir a Biblioteca trabalhos derivados dela. Estas ações são proibidas por lei se você não aceita esta Licença. Desta forma, por modificar ou distribuir a Biblioteca (ou qualquer trabalho baseado na Biblioteca), você indica sua aceitação desta Licença para o fazer, e todos os seus termos e condições para cópia, distribuição ou modificação da Biblioteca ou trabalhos baseados na mesma.

Toda vez que você redistribui a Biblioteca (ou qualquer trabalho baseado na Biblioteca), o recipiente automaticamente recebe uma licença do licenciador original para copiar, distribuir, relacionar ou modificar o assunto da Biblioteca a estes termos e condições. Você não pode impor maiores restrições ao exercício dos direitos dados ao recipiente, por meio desta. Você não responsável por forar o cumprimento dos termos desta Licença por terceiros.

Se, como uma consequência de julgamento em tribunal ou alegação infração de patente ou por qualquer outra razão (no limitada a casos de patente), as condições são impostas a você (seja por ordem da corte, acordo ou de qualquer outra natureza) que contradiga as condições desta Licença, elas no excluem você das condições desta Licença. Se você não pode distribuir de forma a satisfazer simultaneamente suas obrigações sob esta Licença e quaisquer outras obrigações pertinentes, ento como consequência você não pode distribuir a Biblioteca de forma alguma. Por exemplo, se uma licença de patente no permitir redistribuição da Biblioteca livre de royalty por todos aqueles que recebem cópias direta ou indiretamente por você, ento a nica maneira de você satisfazer tanto ela quanto esta Licença seria prevenir.
completamente a distribuição da Biblioteca.

<para>Se qualquer poro desta seo for considerada inválida ou sem fora sob qualquer circunstância particular, o equilíbrio da seo intencionada a ser aplicada, e a seo como um todo intencionada a ser aplicada sob quaisquer outras circunstâncias.</para>

<para>No intuito desta seo te induzir a infringir quaisquer patentes ou proclamações de propriedade por direito ou contestar a validade de tais proclamações; esta seo tem a proposta única de proteger a integridade do sistema de distribuição do software livre que implementado pelas práticas de licença pública. Muitas pessoas fizeram generosas contribuições para o vasto alcance do software distribuído por este sistema confiando na consistente aplicação deste sistema; cabe ao autor/doador decidir se ele ou ela tem interesse de distribuir software por qualquer outro sistema e um licenciado no pode impor esta escolha.</para>

<para>A intenção desta seo fazer exatamente claro o que acredita-se ser uma consequência do resto desta Licença.</para>

<sect2 id="sect12" label="12">
<title>Seo 12</title>

<para>Se a distribuição e/ou uso da Biblioteca restrito em certos países seja por patentes ou por interfaces registradas, o detentor do direito autoral original que coloca a Biblioteca sob esta Licença deve adicionar uma limitação de distribuição geográfica explícita excluindo estes países, para que a distribuição seja permitida somente em e entre países no excludidos. Neste caso, esta Licença incorpora a limitação como se escrita no corpo desta Licença.</para>

<sect2 id="sect13" label="13">
<title>Seo 13</title>

<para>A Free Software Foundation pode publicar versões novas e/ou revisadas do Lesser General Public License de hora em hora. Tais novas versões serão similares em espírito a versão atual, mas pode divergir em detalhe para abordar novos problemas ou preocupações.</para>

<para>cada verso dado um número distinto. Se a Biblioteca especifica um número de verso desta Licença que se aplica a ela e <quote>qualquer verso mais antiga</quote>, você tem a opção de seguir os termos e condições tanto desta verso ou qualquer verso mais antiga publicada pela Free Software Foundation. Se a Biblioteca no especifica um número de verso de licença, você pode escolher qualquer verso já publicada pela Free Software Foundation. </para>

<sect2 id="sect14" label="14">
<title>Seo 14</title>

<para>Se você desejar incorporar partes da Biblioteca em outros programas livres as quais têm condições de distribuição incompatíveis com aquelas, escreva ao autor para pedir permissão. Para software que registrado pela Free Software Foundation, escreva a Free Software Foundation; ns, algumas vezes fazemos exceções para isto. Nossa decisão será guiada pelas duas metas de preservar o status livre de todos os derivados de nosso softwares livre e de promover o compartilhamento e reuso de software em geral.</para>

</sect2>
PELA BIBLIOTECA SER LICIENCIADA LIVRE DE ENCARGOS, NO H GARANTIA BIBLIOTECA, ALM DA PERMITIDA PELA LEI APLICADA. EXCETO QUANDO DE OUTRA FORMA DECLARADO NA ESCRITA QUE OS DETENTORES DO DIREITO AUTORAL E/OU OUTRAS PARTES FORNECEM A BIBLIOTECA COMO SEM GARANTIA DE QUALQUER TIPO, SEJA EXPRESSA OU IMPLICITA, INCLUINDO, MAS NO LIMITADO, GARANTIAS IMPLICITAS DE COMERCIALIZAO E ADAPTAO A UMA PROPOSTA EM PARTICULAR. TODO O RISCO QUANTO A QUALIDADE E PERFORMANCE DA BIBLIOTECA EST COM VOC. SE A BIBLIOTECA SE PROVAR DEFEITUOSA, VOC ASSUME O CUSTO DE TODA MANUTENO NECESSRIA, REPARO OU CORREO.

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or work under the terms of Section 1 above, provided
that you also meet all of these conditions:

<orderedlist numeration="loweralpha">
  <listitem>
    <para>
      You must cause the modified files to carry prominent notices stating that
      you changed the files and the date of any change.
    </para>
  </listitem>
  <listitem>
    <para>
      You must cause any work that you distribute or publish, that in whole or
      in part contains or is derived from the Program or any part thereof, to be
      licensed as a whole at no charge to all third parties under the terms of
      this License.
    </para>
  </listitem>
  <listitem>
    <para>
      If the modified program normally reads commands interactively when run, you
      must cause it, when started running for such interactive use in the most
      ordinary way, to print or display an announcement including an appropriate
      copyright notice and a notice that there is no warranty (or else, saying
      that you provide a warranty) and that users may redistribute the program
      under these conditions, and telling the user how to view a copy of this
      License.
    </para>
    <note>
      <title>Exception:</title>
      <para>
        If the Program itself is interactive but does not normally print such an
        announcement, your work based on the Program is not required to print an
        announcement.
      </para>
    </note>
  </listitem>
</orderedlist>
You may copy and distribute the Program (or a work based on it, under
Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

- 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; or,
- Accompany it with a written offer, valid for at least three years, to give any
  third party, for a charge no more than your cost of physically performing source
  distribution, a complete machine-readable copy of the corresponding source code,
  to be distributed under the terms of Sections 1 and 2 above on a medium customarily
  used for software interchange; or,
- Accompany it with the information you received as to the offer to distribute
  corresponding source code. (This alternative is allowed only for noncommercial
  distribution and only if you received the program in object code or executable form
  with such an offer, in accord with Subsection b above.)
The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software - to make sure the software is free for all its users.
You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- The modified work must itself be a software library.
- You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
<listitem>
<para>You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.</para>
</listitem>

<listitem>
<para>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.</para>
</listitem>

<para>(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.)</para>

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<para>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.</para>

<para>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.

</para>
</listitem>
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<sect2 id="sect3" label="3">
<title>3</title>

<para>GNU 2 (2)</para>
</sect2>

<sect2 id="sect4" label="4">
<title>4</title>

<para><link linkend="sect2">1</link><link linkend="sect2">2</link><link linkend="sect2">2</link>()<link linkend="sect2">2</link><link linkend="sect2">2</link></para>
</sect2>

<sect2 id="sect5" label="5">
<title>5</title>

<para><quote></quote></para>
<para><quote></quote>()<link linkend="sect6">6</link></para>
<para>(10 )<link linkend="sect6">6</link></para>
<para><link linkend="sect6">6</link><link linkend="sect6">6</link></para>
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<sect2 id="sect6" label="6">
<title>6</title>

<para><link linkend="sect6">6</link><link linkend="sect6">6</link><link linkend="sect6">6</link></para>
</sect2>

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

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

- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections <link linkend="sect1">1</link> and <link linkend="sect2">2</link> above); and, if the work is an executable linked with the Library, with the complete machine-readable <quote>work that uses the Library</quote>, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in <link linkend="sect6a">Subsection 6a</link>, above, for a charge no more than the cost of performing
this distribution.
</para>
</listitem>
</listitem>
</listitem>
</orderedlist>
</para>

For an executable, the required form of the <quote>work that uses the
Library</quote> 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.
</para>

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.
</para>

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:

</para>

<orderedlist numeration="loweralpha">
<li>
  <para>
  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.
  </para>
</li>
<li>
  <para>
  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.
  </para>
</li>
</orderedlist>
</sect2>

<title> 8 </title>

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</sect2>

<title> 9 </title>

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</para>
</sect2>

<sect2 id="sect10" label="10">
<title>10</title>

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</para>
</sect2>

<sect2 id="sect11" label="11">
<title>11</title>

<para>
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<para>
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<para>
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Jokaisen ohjelmistonäyttäjä on oltava kyttjille mahdollisena, että kyttjällä on oltava kyttjille mahdollisuus saada ohjelman lähdekoodin. Kyttjille on myönnetty tämän lisenssisopimuksen ehdot, jotta kyttjille on oltava kyttjille mahdollisuus saada ohjelman lähdekoodi.

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Seuraa tarkat ehdot vapaiden ohjelmien kopioimiselle, levittmiselle ja muuttamiselle.

Kohta 0


Kohta 1

Lisenssin saajalla on oikeus kopioida ja levittää sanataukokin kopioita Ohjelman lähdekoodista sellaisena kuin se on saatu, millä tahansa laitteella. Ehtona on, että asianmukaisesti jokaista kopioista ilmenee kenellä on siihen tekijänoikeus ja että Ohjelmaa ei ole tukkuuta; edelleen, kaikki viitaukset tähän Lisenssiin ja ilmoitukseen tukkuun puuttumisesta on pidetty koskemmattomana; ja vielä, jokaiselle Ohjelman vastaanottajalle on annettava tämä Lisenssi ohjelman mukana.

Kohta 2

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

You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.

Note: Exception:
If the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.

Nm ehdot koskevat muuteltua teosta kokonaisuudessaan. Jos yksilitvt osat tst teoksesta eivt ole johdettuja Ohjelmasta ja ne voidaan perustellusti katsoa itsenisiksi ja erillisiksi teoksiksi, silloin tm Lisenssi ja sen ehdot eivt koske nit osia, kun niit levitetn erillisin teoksina. Mutta jos samoja osia levitetn osana kokonaisuutta, joka on Ohjelmana perustuva teos, tmn kokonaisuuden levittminen on tapahduttava tmn Lisenssin ehtojen mukaan, jolloin tmn lisenssin ehdot laajenevat kokonaisuuteen ja tten sen jokaiseen osaan riippumatta siit, kuka ne on tehnyt ja mill lisenssiehdoilla.

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Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

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  third party, for a charge no more than your cost of physically performing source
  distribution, a complete machine-readable copy of the corresponding source code,
  to be distributed under the terms of Sections 1 and 2 above on a medium customarily
  used for software interchange; or,
- Accompany it with the information you received as to the offer to distribute
  corresponding source code. (This alternative is allowed only for noncommercial
  distribution and only if you received the program in object code or executable form
  with such an offer, in accord with Subsection b above.)
tarjoamalla vastaavasti psy samassa paikassa olevaan lähdekoodiin luetaan lähdekoodin levittämiseksi, vaikka kolmansia osapuolia ei pakotettaisi kopioimaan lähdekoodia objektiikoodin mukana.

Kohta 4

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Kohta 5


Kohta 6

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Kohta 7

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<para>Tmn kohdan tarkoituksena on tehd tysin selvksi se, mik on tnn Lisenssin muiden osien seuraus.</para>

<sect2 id="sect8" label="8">
<title>Kohta 8</title>

<para>Jos patentit tai tekijnoikeudella suojatut kyttliittymt rajoittavat Ohjelman levytmist tai kytt joissakin valtioissa, Ohjelman alkuperinen tekij, joka lisensoi ohjelmaansa tll Lisensshl, voi asettaa nimenomaisia maantieteellisi levytsrajoituksia, jolloin levittminen on sallittu joko mukaan- tai poislukien nm valtiot. Tllisess tapauksessa nm rajoitukset otetaan huomioon kuin ne olisi kirjoitettu tnn Lisenssin sekaan.</para>

</sect2>

<sect2 id="sect9" label="9">
<title>Kohta 9</title>

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</sect2>

<sect2 id="sect10" label="10">
<title>Kohta 10</title>

<para>Jos Lisenssin saaja haluaa ottaa osia Ohjelmasta mukaan muihin vapaisiin ohjelmiin, joiden levysehdot ovat erilaiset, hnen tulee kirjoitata tekijlle ja kysy lupaa. Jos ohjelman tekijnoikeuden omistaa Free Software Foundation, on kirjoitettava heille; he tekevty joskus poikkeuksia. Free Software Foundationin ptsten ohjenuorana on kaikki pmr; silytt kaikista heidn vapaisista ohjelmiesta johdettujen ohjelmien vapaa asema ja yleisesti kannustaa ohjelmien jakamiseen ja uudelleen kytkyn. </para>

</sect2>

<sect2 id="sect11" label="11">
<title>Ei takuuta</title>
<subtitle>Kohta 11</subtitle>

<para>Koska tm Ohjelma on lisensoitu ilmaiseksi, ille Ohjelmalle ei myynnet takuuta lain sallimissa rajoissa. Ellei tekijnoikeuden haltia kirjallisesti muuta osoita, Ohjelma on tarjolla sellaisena kuin se on ilman minknlaista takuuta, ilmaistua tai hiljaista, sisiln, muttei tyhjentvsti, hiljaisen takuun kaupallisesti hyvksytvst
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suorituskyvyystä. Jos ohjelma osoittautuu virheelliseksi, Lisenssin saajan vastuulla ovat kaikki huolto- ja
korjauskustannukset.</para><sect2 id="sect12" label="12">
<title>Kohta 12</title>

<para>Ellei laista tai kirjallista hyväksynnä muuta johdu, tekijänoikeuden haltija ja kuka tahansa kolmas
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tapauksessa, että tekijänoikeuden haltija tai kolmas osapuoli olisi maininnut kyseisten vahinkojen
mahdollisuudesta.</para></sect2></sect1></article>
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<sect1 id="fdl-preamble" label="0">
<title>PRAMBULE</title>

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</listitem>

<listitem>
<para>Préserver dans cette notice la liste complète des <link linkend="fdl-invariant">Sections inaltérables</link> et les <link linkend="fdl-cover-texts">Textes de couverture</link> donnés avec la notice de la Licence du <link linkend="fdl-document">Document</link>.</para>
</listitem>

<listitem>
<para>Inclure une copie non modifiée de cette Licence.</para>
</listitem>

<listitem>
<para>Préserver la section nommée <quote>Historique</quote> et son titre, et y ajouter une nouvelle entrée décrivant le titre, l'année, les nouveaux auteurs et l'éditeur de la <link linkend="fdl-modified">Version modifiée</link>, tels que décrits sur la <link linkend="fdl-title-page">Page de titre</link>, ainsi qu'un descriptif des modifications apportées depuis la précédente version. S'il n'y a pas de section nommée <quote>Historique</quote> dans le <link linkend="fdl-document">Document</link>, créer une telle section précisant le titre, l'année, les auteurs et l'éditeur du Document tel que précis sur la <link linkend="fdl-title-page">Page de titre</link>, et ajouter une entrée décrivant la <link linkend="fdl-modified">Version modifiée</link> tel que précis dans la phrase précédente.</para>
</listitem>

<listitem>
<para>Conserver l'adresse réseau ventuellement indiquée dans le <link linkend="fdl-document">Document</link> permettant quiconque d'accéder une <link linkend="fdl-transparent">Copie transparente</link> du Document, ainsi que les adresses réseau indiquées dans le Document pour les versions précédentes sur lesquelles le Document se base. Ces liens peuvent être placés dans la section <quote>Historique</quote>. Vous pouvez ne pas conserver les liens pour un travail datant de plus de quatre ans avant la version courante ou si l'éditeur d'origine vous en accorde la permission.</para>
</listitem>

<listitem>
<para>Si une section <quote>Dédicaces</quote> ou une section <quote>Remerciements</quote> sont présentes, les informations et les appréciations concernant les contributeurs et les personnes auxquelles s'adressent ces remerciements doivent être conservées, ainsi que le titre de ces sections.</para>
</listitem>

<listitem>
<para>Conserver sans modification les <link linkend="fdl-invariant">Sections inaltérables</link> du <link linkend="fdl-document">Document</link>, ni dans leurs textes, ni dans leurs titres. Les numéros de sections ne sont pas considérés comme faisant partie du texte des sections.</para>
</listitem>
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<quote>Historique</quote> des documents d'origine. De même, vous devez rassembler les sections
<quote>Remerciements</quote> et <quote>Dédicaces</quote>. Vous devez supprimer toutes les sections
<quote>Approbations</quote>.</para>
</sect1>

<sect1 id="fdl-section6" label="6">
<title>REGROUPEMENTS DE DOCUMENTS</title>
<para>Vous pouvez créer un regroupement de documents comprenant le Document et d'autres documents soumis à cette Licence, et remplacer les copies individuelles de cette Licence des différents documents par une unique copie incluse dans le regroupement de documents, condition de respecter pour chacun de ces documents l'ensemble des règles de cette Licence concernant les copies conformes.</para>
</sect1>

<sect1 id="fdl-section7" label="7">
<title>AGGREGATION AVEC DES TRAVAUX INDEPENDANTS</title>
<para>La compilation du Document ou de ses dérivés avec d'autres documents ou travaux spars et indépendants sur un support de stockage ou sur un média de distribution quelconque ne représente pas une Version modifiée du Document tant qu'aucun copyright n'est déposé pour cette compilation. Une telle compilation est appelée agrégat et cette Licence ne s'applique pas aux autres travaux indépendants compilés avec le Document s'ils ne sont pas eux-mêmes des travaux dérivés du Document. Si les exigences de la section 3 concernant les Textes de couverture sont applicables à ces copies du Document, et si le Document représente un volume inférieur à un quart du volume total de l'agrégat, les Textes de couverture du Document peuvent être placés sur des pages de couverture qui n'encadrent que le Document au sein de l'agrégat. Dans le cas contraire, ils doivent apparaître sur les pages de couverture de l'agrégat complet.</para>
</sect1>

<sect1 id="fdl-section8" label="8">
<title>TRACTION</title>
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</sect1>
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<othercredit class="translator">
  <personname>
    <firstname>Rafael Ferreira</firstname>
  </personname>
  <email>rafael.f.f1@gmail.com</email>
</othercredit>
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  <holder>Rafael Ferreira</holder>
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<sect1 id="preamble" label="none">
  <title>Preambulo</title>
  <para>As licenças de muitos software são desenvolvidas para restringir sua liberdade de compartilhá-lo e mudá-lo. Contrariando isso, a Licença Pópular Geral GNU pretende garantir sua liberdade de compartilhar e alterar softwares livres -- garantindo que o software será livre e gratuito para os seus usuários. Esta Licença Pópular Geral aplica-se à maioria dos softwares da Free Software Foundation e a qualquer outro programa cujo autor decida aplicá-la. (Alguns outros software da FSF são cobertos pela Licença Pópular Geral de Bibliotecas, no entanto.) Você pode aplicá-la também aos seus programas.</para>

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  <para>Nos protegemos seus direitos em dois passos: <orderedlist numeration="arabic">
    <listitem>
      <para>com direitos autorais do software; e</para>
    </listitem>
  </orderedlist>

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</sect1>
<listitem>
</listitem>
</orderedlist></para>

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<para>Os precisos termos e condições para cópia, distribuição e modificação se encontram abaixo.</para>

</sect1>

<sect1 id="terms" label="none">
<title>TERMOS E CONDIÇÕES PARA CóPIA, DISTRIBUIÇÃO E MODIFICAÇÃO</title>

<sect2 id="sect0" label="0">
<title>Seção 0</title>

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</sect2>

<sect2 id="sect1" label="1">
<title>Seção 1</title>

<para>Você pode copiar e distribuir cópias físicas do código-fonte do Programa da mesma forma que você recebeu, usando qualquer meio, desde que você consiga e apropriadamente publique em cada cópia um aviso de direitos autorais e uma declaração de inexistência de garantias de forma apropriada; mantenha intactos todos os avisos que se referem a esta Licença e ausência total de garantias; e forneça a outros recebedores do Programa uma cópia desta Licença, junto com o Programa.</para>

<para>Você pode cobrar pelo ato físico de transferir uma cópia e pode, opcionalmente, oferecer garantia em troca de pagamento.</para>

</sect2>
<sect2 id="sect2" label="2">
<title>Seo 2</title>
<para>Você pode modificar sua cópia ou cópias do Programa, ou qualquer parte dele, assim gerando um trabalho baseado no Programa, e copiar e distribuir essas modificações ou trabalhos sob os termos da <link linkend="sect1">Seo 1</link> acima, desde que você também se atenda a todas estas condições: <orderedlist numeration="loweralpha">
<li>
<para>Você tem que fazer com que os arquivos modificados levem avisos proeminentes afirmando que você alterou os arquivos, incluindo a data de qualquer alteração.</para>
</li>
<li>
<para>Você tem que fazer com que quaisquer trabalhos que você distribua ou publique, e que integralmente ou em partes contenham ou sejam derivados do Programa ou de suas partes, sejam licenciados, integralmente e sem custo algum para quaisquer terceiros, sob os termos desta Licença.</para>
</li>
<li>
<para>Se o programa modificado normalmente l comandos interativamente quando executados, você tem que fazer com que, quando iniciado tal uso interativo da forma mais simples, seja impresso ou mostrado um anúncio de direitos autorais um e anúncio de que no há qualquer garantia (ou ento, que você fornece a garantia) e que os usuários podem redistribuir o programa sob estas condições, ainda informando os usuários como consultar uma cópia desta Licença. <note>
<title>Exceção:</title>
<para>Se o Programa em si é interativo mas normalmente não imprime estes tipos de anúncios, seu trabalho baseado no Programa no precisa imprimir um anúncio.</para>
</note></para>
</li>
</orderedlist></para>

<para>Estas exigências aplicam-se ao trabalho modificado como um todo. Se se identificáveis de tal trabalho no forem derivadas do Programa, e que podem ser razoavelmente consideradas trabalhos independentes e separados por si s e, ento esta Licença, e seus termos, no se aplicam a estas seios quando você distribui-los como trabalhos em separado. Mas quando você distribuir as mesmas seios como parte de um todo, o qual baseado no Programa, a distribuição como um todo deve que se enquadrem nos termos desta Licença, cujas permissões para outros licenciados se estendem ao todo, portanto para cada e toda parte, independente de quem a escreveu.</para>

<para>Desta forma, esta seio no tem a intenção de reclamar direitos ou contestar seus direitos sobre o trabalho escrito inteiramente por você; ao invés disso, a intenção a de exercitar o direito de controlar a distribuição de trabalhos, derivados ou coletivos, baseados no Programa.</para>

<para>Adicionalmente, a mera agregação ao Programa de outro trabalho baseado no Programa (ou de trabalho baseado no Programa) em um volume de armazenamento ou meio de distribuição no faz o outro trabalho parte do escopo desta Licença.</para>
</sect2>

<sect2 id="sect3" label="3">
<title>Seo 3</title>
<para>Você pode copiar e distribuir o Programa (ou um trabalho baseado nele, conforme descrito na <link
Se você acompanhar o código-fonte completo correspondente e em forma acessível por máquinas, que deve ser distribuído sob os termos das Sees 1 e 2 acima e em meio normalmente utilizado para o intercâmbio de software; ou,

- O acompanhe com o código-fonte completo e em forma acessível por máquina, que deve ser distribuído sob os termos das Sees 1 e 2 acima e em meio normalmente utilizado para o intercâmbio de software; ou,

- O acompanhe com uma oferta expressa, válida por pelo menos três anos, de fornecer a qualquer terceiro, com um custo no superior ao custo de distribuição física do material, uma cópia do código-fonte completo e em forma acessível por máquina, que deve ser distribuído sob os termos das Sees 1 e 2 acima e em meio normalmente utilizado para o intercâmbio de software; ou,

- O acompanhe com a informação que você recebeu em relação à oferta de distribuição do código-fonte correspondente. (Esta alternativa permitida somente em distribuição no comercial, e apenas se você recebeu o programa em forma de código-objeto ou executável, com oferta, de acordo com a Subseio b acima.)

O código-fonte de um trabalho corresponde à forma de trabalho preferida para se fazer modificações. Para um trabalho em forma executável, o código-fonte completo significa todo o código-fonte de todos os módulos que ele contém, mais quaisquer arquivos de definição de "interface", mais os "scripts" utilizados para se controlar a compilação e a instalação do executável. Contudo, como exceção especial, o código-fonte distribuído no precisar incluir qualquer componente normalmente distribuído (tanto em forma original quanto binária) com os maiores componentes (o compilador, o "kernel" etc.) do sistema operacional sob o qual o executável funciona, a menos que o componente em si acompanhe o executável.

Se a distribuição do executável ou código-objeto feita através da oferta de acesso a cópias de algum lugar, entretanto ofertar o acesso equivalente a cópia, do mesmo lugar, do código-fonte equivalente distribuído do código-fonte, mesmo que terceiros não sejam compelidos a copiar o código-fonte com o código-objeto.

Você não pode copiar, modificar, sublicenciar ou distribuir o Programa, exceto de acordo com as condições expressas nesta Licença. Qualquer outra tentativa de cópia, modificação, sublicenciamento ou distribuição do Programa vetado, e cancelar automaticamente os direitos que lhe foram fornecidos por esta Licença. No entanto, terceiros que receberem cópias ou direitos, fornecidos por você sob os termos desta Licença, no terão suas licenças canceladas, desde que permaneçam em total concordância com ela.
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Esta seção destina-se a tornar bastante claro o que se acredita ser consequência do restante desta Licença.
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Version: 1.0.1
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Tm on LGPL-lisenssin epvirallinen kansion suomeksi. Tt knnst ei ole julkaissut Free Software Foundation eik se nrit oikeudellisesti sitovasti LGPL-lisenssi kytyvien ohjelmien levysehtoja vain alkuperinen englanninkielinen LGPL-lisenssin teksti on oikeudellisesti sivita. Toivomme kuitenkin, ett tm knns auttaa suomenkielisi ymmrttm LGPL-lisenssi paremmin.</para></warning></para>

.releaseinfo>Versio 2.1, helmikuu 1999</releaseinfo>

.abstract role="description"><para>Yleens tietokoneohjelmien lisenssisopimukset on suunniteltu siten, ett ne estvt ohjelmien vapaan jakamisen ja muuttamisen. Sen sijaan GPL-lisenssit on suunniteltu takaamaan kyttjin vapaus jakaa ja muuttaa ohjelmaa lisenssi varmistaa, ett ohjelma on vapaan kaikille kyttjille. </para></abstract>

.releaseinfo>Version 2.1, helmikuu 1999</releaseinfo>

.abstract role="description"><para>Kun tss Lisenssiss puhutaan vapaasta ohjelmasta, silloin ei tarkoiteta hintaa. GPL-lisenssi on nimittin suunniteltu siten, ett kyttjille taataan vapaus levitt kopioita vapaista ohjelmista (ja pyyt halutessaan maksu tis palvelusta). GPL-lisenssi takaat mys sen, ett kyttj saa halutessaan ohjelman lhdekoodin, ett hn voi muuttaa ohjelmaa tai kytt osia siit omissa vapaissa ohjelmissaan, ja ett kaikkien niden toimien tiedt olevan sallittuja. </para>

<p>Yleens tietokoneohjelmien lisenssisopimukset on suunniteltu siten, ett ne estvt ohjelmien vapaan jakamisen ja muuttamisen. Sen sijaan GPL-lisenssit on suunniteltu takaamaan kyttjin vapaus jakaa ja muuttaa ohjelmaa lisenssi varmistaa, ett ohjelma on vapaan kaikille kyttjille. </para>

<title>Johdanto</title>

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<title>Johdanto</title>

<para>Jotta kyttjin oikeudet turvattaisiin, lisenssill asetetaan rajoitukset, jotka estvt ket tahansa kieltmst nit oikeuksia tai vaatimusta niiden luovuttamista. Nm rajoitukset merkitsevt tiettyj velvoitteita jokaiselle kyttjille, joka levitt kirjastokopioita tai muuttaa kirjastoa. </para>

<title>Johdanto</title>

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

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

Edelleen, jokaisen tekijn ja Free Software Foundationin suojaamiseksi on varmistettava, ett jokainen ymmrt, ett vapaalla kirjastolla ei ole takuuta. Jos joku muuttaa kirjastoa ja levitt sen edelleen, kirjaston vastaanottajien on tiedettv, ett heill ei ole alkuperist kirjastoa. Joten mik tahansa ongelma, jonka muut ovat aikaansameet, ei vaikuta alkuperisen tekijn maineeseen.

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

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

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

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

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

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

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

The precise terms and conditions for copying, distribution and
modification follow. Pay close attention to the difference between a
work based on the library and a work that uses the library. The former contains code derived from the library,
whereas the latter must be combined with the library in order to run.
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

- The modified work must itself be a software library.
- You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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.
</para>

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.
</para>

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.
</para>
</listitem>
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</sect2>

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.
Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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 <quote>work that uses the library</quote>. The executable is therefore covered by this License. <link linkend="sect6">Section 6</link> states terms for distribution of such executables.

</para>

<para>
When a <quote>work that uses the Library</quote> 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.
</para>

<para>
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 <link linkend="sect6">Section 6</link>.)
</para>

<para>
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of <link linkend="sect6">Section 6</link>. Any executables containing that work also fall under <link linkend="sect6">Section 6</link>, whether or not they are linked directly with the Library itself.
</para>

<sect2 id="sect6" label="6">
<title>Kohta 6</title>

<para>
As an exception to the Sections above, you may also combine or link a <quote>work that uses the Library</quote> 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.
</para>

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

- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and
- 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.
- 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.
- 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.
</para>
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</sect2>

<para>
For an executable, the required form of the <quote>work that uses the Library</quote> 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.
</para>

<para>
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.
</para>

</sect2>

<sect2 id="sect7" label="7">
<title>Kohta 7</title>

<para>
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:
</para>

<orderedlist numeration="loweralpha">
<li>
</li>
</orderedlist>
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.

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.

Kohta 8

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Kohta 9


Kohta 10

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sect2 id="sect12" label="12"
<title>Kohta 12</title>

sect2 id="sect13" label="13"
<title>Kohta 13</title>

sect2 id="sect14" label="14"
<title>Kohta 14</title>

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sect2 id="sect14" label="14"
<title>Kohta 14</title>

sect2 id="sect15" label="15"
<title>Kohta 15</title>

sect2 id="sect16" label="16"
<title>Kohta 16</title>

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sect2 id="sect23" label="23"
<title>Kohta 23</title>

sect2 id="sect24" label="24"
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</sect2>

<sect2 id="sect15" label="15">
<title> EI takuuta</title>
_subtitle>Kohta 15</subtitle>

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</sect2>

<sect2 id="sect16" label="16">
<title>Kohta 16</title>

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<title>ÜBERSETZUNG</title>

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</articleinfo>
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Dovoljenje se nanaa na katerikoli prironik ali drugo delo z obvestilom imetnika razirjanja, v katerem ta izjavlja, da se lahko delo razirja pod pogoji tega dovoljenja. Dokument spodaj, se nanaa na taken prironik ali delo. Vsak posameznik je upravien do uporabe dovoljenja in je v dokumentu naslovljen v drugi osebi.

Spremenjena različica (v originalu Modified Version) dokumenta pomeni vsako delo, ki vsebuje ta dokument ali del tega, bodisi prepisan dobesedno ali s spremembami in/ali preveden v drug jezik.

Drugotni razdelek (v originalu Secondary Section) se imenuje dodatek ali razdelek na prednjih straneh. Dokumenta, ki obravnava izključno odnose izdajatelja ali avtorja tega dela do splone vsebine dokumenta (ali s tem povezanih vsebin) in/ali vsebujes nesor, kar bi sodilo neposredno v to splono vsebino. (e je, denimo, ta dokument del ubenika matematike, drugotni razdelek ne sme vključevati razlage matematike.) Odnos je lahko stvar zgodovinske povezave s predmetom ali s povezanimi vsebinami, ali pravni, pridobitni, filozofske, etni ali politini poloaj glede teh vsebin.

Nespremenljivi razdelki (v originalu Invariant Sections) so določeni Drugotnih razdelk, katerih naslovi so oznaeni kot nespremenljivi razdelki v izjavi, da se ta Drugotnih dokumenta razirja pod pogoji tega dovoljenja.

Besedila na platnicah (v originalu Cover Texts) so določeni kratki deli besedila, ki so nateti kot besedila za prvo ali zadnjo stran knjige, v izjavi, ki pravi, da je Besedila izdan pod pogoji tega dovoljenja.

Jasen izvod (v originalu Transparent copy) dokumenta pomeni izvod v strojno berljive obliki, katere določa so dostopna sploni javnosti, katerega vsebina se lahko gleda in ureja neposredno in enostavno s splonimi urejevalniki besedila ali (za bitne slike) splonimi risarskimi programi ali (za risbe) nekaterimi splono dostopnimi urejevalniki risb, in je primeren kot vhod oblikovalnikom besedila ali za
samodejno pretvarjanje v razline druge oblike, primerne za vhod oblikovalnikom besedila. Izvod sicer jasne datoteke, katere oznake so bile zasnovane tako, da bralcem prepreijo ali otejo naknadne spremembe, ni Jasen. Izvod, ki ni "Jasen", se imenuje "Nejasen".

Nekateri primeri primernih oblik zapisa za jasne izvode so: ASCII ali ISO 8859-2 brez oblikovanja, vhodna oblika za TeXinfo, vhodna oblika za LaTeX, SGML ali XML, ki uporablja javno dostopen DTD, in preprosta standardna oblika HTML, namenjena temu, da jo spremeni lovek. Nejasne oblike vključujejo PostScript, PDF, lastnike oblike, ki jih lahko beremo in urejamo le z lastnikimi urejevalniki besedil, SGML ali XML, za katerega DTD in/ali orodja za obdelavo niso splonio dostopna, in strojno ustvarjen HTML, ki ga nekateri urejevalniki besedil izdelujejo le kot izhodno obliko zapisa.

Naslovna stran pri natisnjeni knjigi pomeni smo naslovno stran skupaj s taknimi nadaljnjimi stranmi, ki so neizogibne za itljivo izraanje stvari, za katere to dovoljenje zahteva, da se pojavljajo na naslovni strani. Za dela v oblikah, ki nimajo naslovne strani kot take, "Naslovna stran" pomeni besedilo blizu najvidnejše pojavitve naslova dela, pred zaetkom telesa besedila.

Dobesedno razmnoevanje

Dokument je dovoljeno razmnoevati in razirjati na kakrenkoli nain, pridobitno ali nepridobitno, e je le na vsakem izvodu objavljeno to dovoljenje, izjave o pravicah razirjanja, in obvestilo dovoljenja, ki pravi, da se to nanaa na ta dokument, in da doloilom tega dovoljenja niso posebej dodane omejitve. Ni dovoljeno uporabljati tehnik ukrepov, ki bi prepreevali ali nadzorovali branje ali nadaljnje razirjanje izvodov, ki jih naredite ali razirjate. Izvode je dovoljeno zaraunati. V kolikor razirjate dovolj veliko tevilo izvodov, je treba upotevati tudi dooloiz 3. razdelka.

Izvode je dovoljeno posojati, pod enakimi pogoji, kot so opisani zgoraj, in jih tudi javno prikazovati.

Mnoino razmnoevanje

Pri izdajanju natisnjenih izvodov tega "Dokumenta" v nakladi ve kot 100 izvodov, in dovoljenje dokumenta zahteva tudi "Besedila na platnicah", je treba izvode obdati s platnicami, ki itljivo in razumljivo nosijo vsa ta Besedila na platnicah: besedila na naslovini in besedila na zadnji strani platic. Na obeh platnicah mora biti tudi itljivo in razumljivo zavedeno imenovanje izdajatelja teh izvodov. Prednja platnica mora vsebovati popoln naslov z vsemi enako izrazito natisnjenimi in vidnimi besedami naslova. Na platnice je ob tem dovoljeno dodati tudi druge stvari. Kopiranje s spremembami, omejenimi na platnice, e le ohranjajo naslov tega "Dokumenta" in zadoajo tem pogojem, se lahko v drugih ozirih tejejo za dobesedno kopiranje.

Nejasne izvode tega "Dokumenta" v nakladi ve kot 100 izvodov, je treba bodisi vkljuiti strojno berljivo "Jasno obliko" poleg vsakega Nejasnega izvoda, ali poleg vsakega Nejasnega
izvoda objaviti tudi javno dostopno mesto v raunalnikem omrežju, kjer je dostopna popolna Jasna kopija dokumenta, brez dodatnega materiala, in kjer jo splona javnost, ki uporablja omrežje, lahko brezplano prejme preko javnih standardnih omrežnih protokolov. e uporabite zadnjo izbire, je treba razumno preudarno poskrbeti za to, da bo po objavi Nejasne oblike dela, Jasna oblika ostala dostopna na objavljenem mestu vsaj e eno leto po preteku datuma, ko je javnosti posredovan (neposredno ali prek zastopnikov oziroma trgovcev na drobno) zadnji Nejasni izvod. </para>

<PRIPOROČENO JE, NE PA TUDI ZAHTEVANO, DA SE PREČJEM ZAETKOM RAZIRJANJA VEJEGA TELIVA IZVODOV, VZPOSTAVI STIK Z AVTORJI TEGA <link linkend="fdl-document">DOKUMENTA</link>, DA IMAJO MONOST PRISKRBETI PREZ RAZIRJANJEM POSODOBLJENE RAZLIICE DOKUMENTA.</P>

<sect1 id="fdl-section4" label="4">
<title>Spremembe</title>
<para>Spremenjeno razliico tega <link linkend="fdl-document">DOKUMENTA</link> je dovoljeno razmnoevati in razirjati pod pogoji iz <link linkend="fdl-section2">2.</link> in <link linkend="fdl-section3">3.</link> razdelka, v kolikor bo izdana <link linkend="fdl-modified">Spremenjena razliica</link> pod tonom tem dovoljenjem, kjer Spremenjena razliica prevzame vlogo tega dokumenta, in torej to dovoljenje ureja razirjanje in spreminjanje Spremenjene razliice za kogarkoli, ki posejue njen izvod. Poleg tega je treba v Spremenjeni razliici narediti en naslednje:</para>

<itemizedlist mark="upper-alpha">
<li><para>Na <link linkend="fdl-title-page">naslovni strani</link> (ali platnicah, e obstajajo) uporabite naslov, različen od naslova izvirnega <link linkend="fdl-document">Dokumenta</link> in vseh prejnjih razliic (ki bi morale biti, e jih je kaj, natete v razdelku Zgodovina v dokumentu). e se izvirni zalonik s tem strinja, lahko uporabite isti naslov kot ga ima prejnj razliica.</para></li>
<li><para>Na <link linkend="fdl-title-page">naslovni strani</link> kot avtorje nateti eno ali ve oseb ali drub, odgovornih za avtorstvo spremenj v <link linkend="fdl-modified">Spremenjeni razliici</link>, skupaj z vsaj petimi glavnimi avtorji <link linkend="fdl-document">Dokumenta</link> (ali vsemi avtorji, e jih je manj kot pet).</para></li>
<li><para>Na <link linkend="fdl-title-page">naslovni strani</link> imenovati zalonika <link linkend="fdl-modified">Spremenjene razliice</link>.</para></li>
<li><para>Ohraniti vsa obvestila o pravicah razirjanja <link linkend="fdl-document">Dokumenta</link>.</para></li>
<li><para>Dodati ustrezno obvestilo o pravicah razirjanja za vse spremembe poleg drugih obvestil o pravicah razirjanja.</para></li>
</itemizedlist>
<listitem><para>Tako po obvestilih o pravicah razirjanja vključiti obvestilo dovoljenja, ki javno dovoljuje rabo <link linkend="fdl-modified">Spremenjene razlike</link> pod pogoji tega dovoljenja, v obliki, prikazani v Dodatku, spodaj.</para></listitem>

<listitem><para>V tem obvestilu dovoljenja ohranite popoln seznam <link linkend="fdl-invariant">Nespremenljivih razdelkov</link> in zahtevanih <link linkend="fdl-cover-texts">Besedil na ovitku</link>, podanih v obvestilu dovoljenja tega <link linkend="fdl-document">Dokumenta</link>.
</para></listitem>

<listitem><para>Vključite nespremenjen izvod tega dovoljenja.
</para></listitem>

<listitem><para>Ohranite razdelek, imenovan <quote>Zgodovina</quote>, in njegov naslov, in vanj dodajte postavko z vsaj naslovom, letom, novimi avtorji in izdajateljem <link linkend="fdl-modified">Spremenjene razliice</link>, kot je podana na <link linkend="fdl-title-page">Naslovni strani</link>. E v dokumentu ni razdelka, imenovanega <quote>Zgodovina</quote>, ga ustvarite, in podajte naslov, leto, avtorje in izdajatelja <link linkend="fdl-document">Dokumenta</link> kot je podan na njegovi Naslovni strani, potem pa e dodajte postavko, v kateri opiite Spremenjeno razliico, kot pie v prejnjem stavku.
</para></listitem>

<listitem><para>Ohranite razdelek, imenovan <quote>Zgodovina</quote>, in njegov naslov, in vanj dodajte postavko z vsaj naslovom, letom, novimi avtorji in izdajateljem <link linkend="fdl-modified">Spremenjene razliice</link>, kot je podana na <link linkend="fdl-title-page">Naslovni strani</link>. E v dokumentu ni razdelka, imenovanega <quote>Zgodovina</quote>, ga ustvarite, in podajte naslov, leto, avtorje in izdajatelja <link linkend="fdl-document">Dokumenta</link> kot je podan na njegovi Naslovni strani, potem pa e dodajte postavko, v kateri opiite Spremenjeno razliico, kot pie v prejnjem stavku.
</para></listitem>

<listitem><para>V kolikor obstaja, je priporočeno ohraniti omremeno mesto, za javni dostop do <link linkend="fdl-transparent">Jasnih izvodov</link> <link linkend="fdl-document">Dokumenta</link>, ki je navedeno v dokumentu, in podobno tudi vsa omrena mesta s prejnjimi razliicami dokumenta, ki so navedena v dokumentu. Priporoljivo jih je dodati v razdelek <quote>Zgodovine</quote>. Mogoe pa je omrena mesta tudi izpustiti za delo, ki je bilo izdano vsaj tiri leta pred samim dokumentom, ali, e izdajatelj, omenjen v ustreznih razliic, to dovoli.
</para></listitem>

</para></listitem>

<listitem><para>Ohranite tvele za del naslovov razdelkov.
</para></listitem>
<para>Izbrisati je treba vse razdelke, naslovljene <quote>Odobritve</quote>. Takšni razdelki ne smejo biti vključeni v <link linkend="fdl-modified">Spremenjeni razliici</link>. </para>
</listitem>
<listitem>
<para>Ni dovoljeno preimenovati kateregakoli obstojeega razdelka v <quote>Odobritve</quote> ali v isto ime, kot ga ima <link linkend="fdl-invariant">Nespremenljivi razdelek</link>. </para>
</listitem>
</itemizedlist>

<para>V primeru, da je <link linkend="fdl-modified">Spremenjena razliica</link> vključuje nove elne razdelke ali dodatke, ki tejejo za <link linkend="fdl-secondary">Drugotne razdelke</link>, je dovoljeno po lastni presoji označiti nekatere ali vse takne razdelke kot nespremenljive. To je treba storiti tako, da se dodajo njihovi naslovi v seznam <link linkend="fdl-invariant">Nespremenljivih razdelkov</link> v obvestilu dovoljenja Spremenjene razliice. Ti naslovi se morajo razlikovati od vseh drugih naslovov razdelkov. </para>

<para>Dodate lahko razdelek, imenovan <quote>Odobritve</quote>, in ga ne vsebuje ni drugega kot odobritve vse Spremenjene razlike razlinih strank na primer, recenzijske izjave ali besedilo, ki je bilo odobreno s strani organizacije kot veljavna definicija standarda. </para>

<para>Kot <link linkend="fdl-cover-texts">Besedilo na naslovnici</link> je dovoljeno dodati odlomek največ petih besed, kot <link linkend="fdl-cover-texts">Besedilo na zadnji strani</link> pa največ 25 besed. Vsaka oseba lahko doda le po en odlomek Besedila na naslovnici in Besedila na zadnji strani platnic, vključno z odlomki po dogovorih. <link linkend="fdl-document">Dokument</link> vsebuje besedilo na naslovnici za isti ovitek, ki je bil dodan ali je bil dodan po dogovoru z isto (fizino ali pravno) osebo v zastopstvu, ni dovoljeno dodati e enega, pa pa je dovoljeno starega nadomestiti z izrecnim soglasjem prejnjega izdajatelja, ki je stari odlok dodal. </para>

<para>Avtorji in izdajatelji <link linkend="fdl-document">Dokumenta</link> s tem dovoljenjem ne dovolijo uporabe njihovih imen ali pritrditve ali implicitnega soglasja za katerokoli <link linkend="fdl-modified">Spremenjeno razliico</link>.</para>

<sect1 id="fdl-section5" label="5">
<title>Združevanje dokumentov</title>
<para>Dokument <link linkend="fdl-document">Dokument</link> je dovoljeno združevati s katerimkoli drugimi dokumenti, izdanimi pod pogoj tega dovoljenja, pod zgornjimi pogoj za spremenjene razliice iz <link linkend="fdl-section4">4. razdelka</link>, vključite vse <link linkend="fdl-invariant">Nespremenljive razdelke</link> vseh izvirnih dokumentov, nespremenjenih, in so v izjavi dovoljenja natetki z Nespremenljivi razdelki novega, združenega dela. </para>
<para>Zdrujeno delo zahteva le en izvod tega dovoljenja, in ve istih <link linkend="fdl-invariant">Nespremenljivih razdelkov</link> se lahko nadomesti z enim samim, e obstaja ve Nespremenljivih razdelkov z istim imenom, vendar razlino vsebino, je treba naslov vsakega od njih spremeniti v edinstvenega, tako da na njegov konec v oklepajih dodate ime izvirnega avtorja ali izdajatelja, e vam je znano, sicer pa edinstveno tevilo. Iste spremembe je treba narediti v imenih razdelkov v seznamu Nespremenljivih razdelkov v izjavi dovoljenja vaega združenega dela. </para>
V zdruenem delu je treba zdruiti vse razdelke v razlinih izvirnih dokumentih, poimenovane "Zgodovina", tako da se oblikuje en sam razdelek "Zgodovina"; podobno je treba zdruiti vse razdelke "Zahvale" in "Posvetila". Izbrisati pa je treba vse razdelke, poimenovane "Odobritve".

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Zdrujevanje z neodvisnimi deli

Zdrujevanje ali njegovih izpeljanih različ z drugimi loenimi in neodvisnimi dokumenti ali deli, v knjigi ali kakrnemkoli nosilcu hrambe ali razirjanja, kot celota ne teje za "Spremenjeno razliico" dokumenta, e za zdrueno zbirko nihe ne zahteva pravic razirjanja. Takno zdrueno delo se imenuje "zbirka" in to dovoljenje ne velja za druga samostojna dela, tako zdruena z dokumentom, zaradi tega, ker so zdruena z dokumentom, e niso sama izpeljana dela dokumenta. V kolikor so zahteve "link linkend="fdl-cover-texts" besedila na ovitku" skladne z "link linkend="fdl-section3"" oddelkom 3 tega dokumenta, potem je dovoljeno, v kolikor je dokument del, ki je manji od etrtine celotne zbirke, besedilo na naslovnici postaviti na platnici, ki sta neposredno povezani le z dokumentom v zbirki. Sicer mora biti besedilo izpisano na naslovnicah celotne zbirke.

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Prevod teje za vrsto spremembe, zato lahko razirjate prevode "link linkend="fdl-document" Dokumenta" pod pogoji "link linkend="fdl-section4"" 4. razdelka". Nadomeanje "link linkend="fdl-invariant" Nespremenljivih razdelkov" s prevodi zahteva posebno dovoljenje imetnikov pravic njihovega razirjanja, lahko pa vključite prevode nekaterih Nespremenljivih razdelkov poleg izvirnih različ teh Nespremenljivih razdelkov. Vključite lahko tudi prevod tega dovoljenja, vključite tudi izvirno angleko razliico tega dovoljenja. V primeru neskladja med prevodom in anglekim izvirnikom tega dovoljenja, velja izvirna angleka razliica.
Prenehanje veljavnosti

Dokumenta ni dovoljeno razmnoevati, spreminjati, podrejati dovoljenja ali ga razirjati, razen e je to izrecno dovoljeno s tem dovoljenjem. Vsak drugi poskus razmnoevanja, spreminjanja, podrejanja dovoljenja ali razirjanja Dokumenta je njen, in samodejno prekine vae pravice, izhajajoc iz tega dovoljenja. Vendar pa se osebam, ki so svoj izvod ali pravice dobile od vas pod tem dovoljenjem, dovoljenje ne prekine, dokler se ji popolnoma podrejajo.

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V primeru, da ni Besedilom na ovitku, je treba storiti tudi, e ni Besedila na ovitku. V kolikor dokument vsebuje netrivialne primere programske kode, vam priporoamo, da te primere izdate vzporedno pod dovoljenjem proste programske opreme, kot je Splono dovoljenje GNU (angl. GNU General Public License), po vaem izboru, da dovolite rabo te kode v prostih programih.

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Nous protégeons vos droits par une méthode en deux tapes: (1) nous libellons la Bibliothèque avec une notice de propriété intellectuelle (copyright) et (2) nous vous offrons cette Licence, qui vous donne le droit de copier, distribuer ou modifier la bibliothèque.

Pour protéger chaque distributeur, nous voulons tablier de façon trés claire qu'il n'y a aucune garantie pour la Bibliothèque libre. Aussi, si la Bibliothèque est modifiée par quelqu'un d'autre qui la redistribue ensuite, ses concessionnaires devraient savoir que ce qu'ils ont n'est pas la version originale, de sorte que la réputation de l'auteur original ne sera pas affectée cause de problèmes introduits par d'autres.

Enfin, les brevets logiciels constituent une menace constante contre l'existence même de tout logiciel libre. Nous voulons trè€ qu'une société ne peut pas effectivement restreindre les utilisateurs d'un programme libre en obtenant une licence restrictive d'un titulaire de brevet. Par conséquent, nous insistons pour que toute licence de brevet obtenue pour une version de la Bibliothèque doit être cohérente avec sa pleine liberté d'utilisation spécifiée dans la présente Licence.

La plupart des logiciels GNU, y compris certaines bibliothèques, sont couverts par la Licence Gnrale Publique GNU (GNU General Public License). La présente licence s'applique certaines bibliothèques désignées et est assez différente de la Licence Gnrale Publique. Nous utilisons la présente licence pour certaines bibliothèques afin de permettre de lier ces bibliothèques, sous certaines conditions, des programmes non libres.

Quand un programme est lié avec une bibliothèque, que ce soit statiquement ou avec une bibliothèque partage, la combinaison des deux constitue, en termes légaux, un travail combin, un driv de la bibliothèque originale. Il s'ensuit que la Licence Gnrale Publique ordinaire ne permet une telle liaison que si l'entière combinaison remplit ses critères et conditions de liberté. La Licence Gnrale Publique Limite permet de desserrer les critères permettant de lier d'autres codes avec la bibliothèque.

Nous appelons cette licence la Licence Gnrale Publique <quote>Limite</quote> (Lesser General Public License) car elle offre en fait une protection plus limite de la liberté de l'utilisateur que celle offerte par la Licence Gnrale Publique <quote>ordinaire. Elle offre aux autres développeurs de logiciels libres un avantage plus limité face aux programmes concurrents non libres. Ces désavantages sont la raison pour laquelle nous utilisons la Licence Gnrale Publique <quote>ordinaire pour de nombreuses bibliothèques. Cependant la licence limite offre des avantages dans certaines circonstances spéciales.

Par exemple, en de rares occasions, il peut exister le besoin particulier d'encourager l'utilisation la plus large possible d'une certaine bibliothèque, afin qu'elle devienne un standard de facto. Pour arriver cette fin, des programmes non libres doivent pouvoir tre autorisés utiliser la bibliothèque. Un cas plus fréquent est qu'une bibliothèque libre effectue les mêmes tâches que des bibliothèques non libres largement utilisées. Dans ce cas, il n'y a pas grand chose gagner limiter la bibliothèque libre aux seuls logiciels libres, aussi nous utilisons la Licence Gnrale Publique Limite.

Dans d'autres cas, l'autorisation d'utiliser une bibliothèque particulière dans des programmes non libres permet un plus grand nombre de personnes d'utiliser un corpus très large de logiciels libres. Par exemple, l'autorisation d'utiliser la bibliothèque C GNU dans des programmes non libres permet plus de personnes d'utiliser le
système d'exploitation GNU tout entier, de même que sa variante, le système d'exploitation GNU/Linux.</para>

Bien que la Licence Générale Publique Limite semble limiter la protection de la liberté de l'utilisateur, elle assure que l'utilisateur d'un programme lié avec la bibliothèque dispose de la liberté et du choix d'exécuter ce programme en utilisant une version modifiée de la bibliothèque.</para>

Les termes et conditions précis concernant la copie, la distribution et la modification suivent. Prenez une attention toute particulière aux différences entre un « travail bas sur la Bibliothèque » et un « travail utilisant la Bibliothèque ». Le premier contient du code drif de la bibliothèque, tandis que le second doit être combiné avec la bibliothèque afin de pouvoir être exécuté.</para>

TERMES ET CONDITIONS CONCERNANT LA COPIE, LA DISTRIBUTION ET LA MODIFICATION

Cet Accord de Licence s'applique toute bibliothèque logicielle ou tout programme contenant une notice placée par le titulaire de la réservation de droits (copyright) ou toute autre partie autorisée indiquant que ce logiciel peut être distribué suivant les termes de cette Licence Générale Publique Limite (appelée ci-dessous « cette Licence »). Chacun des concessionnaires de cette Licence sera désigné en tant que « Vous ».

Une « bibliothèque » signifie une collection de fonctions logicielles ou de données préparées de façon facilement liées à des programmes applicatifs (utilisant tout ou partie de ces fonctions et données) afin de former des exécutables.

La « Bibliothèque », ci-dessous, se réfère toute telle bibliothèque logicielle ou travail qui a été distribué suivant ces termes. Un « travail bas sur la Bibliothèque » signifie soit la Bibliothèque ou tout travail drif pouvant être soumis aux lois de propriété intellectuelle : c'est-à-dire un travail contenant la Bibliothèque ou une portion de celle-ci, soit en copie conforme, soit avec des modifications ou traduit directement dans une autre langue. (Dans la suite ci-dessous, les traductions sont incluses sans limitation dans le terme modification.)

Le « code source » d'un travail signifie la forme préférée du travail permettant d'y effectuer des modifications. Pour une bibliothèque, le code source complet signifie tout le code source de tous les modules qu'elle contient, plus tous les fichiers de définition d'interface associés, plus les scripts utilisés pour contrôler la compilation et l'installation de la bibliothèque.

Les activités autres que la copie, la distribution et la modification ne sont pas couvertes par cette Licence ; elles sont en dehors de son tendue. L'action d'exécuter un programme utilisant la Bibliothèque n'est pas restreinte et les résultats produits par un tel programme ne sont couverts que si leur contenu constitue un travail bas sur la Bibliothèque (indépendamment de l'utilisation de la Bibliothèque dans un outil utilisé pour l'écrire). Que ce soit ou non le cas dépend de ce que réalise la Bibliothèque, et de ce que fait le programme utilisant la Bibliothèque.
Vous pouvez copier et distribuer des copies conformes du code source complet de la Bibliothèque que vous recevez, sur tout support, pourvu que vous publiez scrupuleusement et de façon appropriée sur chaque copie la notice de réservation de droit (copyright) et un dû de garantie; gardez intactes toutes les notices qui se réfèrent cette Licence et l'absence de toute garantie; et distribuez une copie de cette Licence en même temps que la Bibliothèque.

Vous pouvez demander un paiement pour l'action physique de transfert d'une copie et vous pouvez volontariment offrir une protection de garantie en change d'un paiement.

Vous pouvez modifier votre ou vos copie(s) de la Bibliothèque ou toute portion de celle-ci et ainsi créer un travail bas sur la Bibliothèque et copier ou distribuer de telles modifications suivant les termes de la Section 1 ci-dessus, pourvu que vous satisfassiez également chacune de ces conditions:

Le travail modifié doit être lui-même une bibliothèque logicielle.

Vous devez assurer que les fichiers modifiés comportent des notices videntes tablissant que vous avez changé les fichiers et la date de ces changements.

Vous devez assurer que l'ensemble du travail pourra être licencié sans frais toute tierce partie suivant les termes de cette Licence.

Si une facilité dans le bibliothèque modifie référence une fonction ou une table de données fournir par une application utilisant la facilité, autre qu’un argument passé quand la facilité est invoquée, alors vous devez faire un effort en toute bonne foi pour vous assurer que, dans l'éventualité où une application ne fournirait pas une telle fonction ou table, la facilité restera opérationnelle et effectuera une partie quelconque de sa finalité de façon sensée.

Aussi, ce n'est pas l'intention de cette section de clamer des droits ou de contester vos droits sur des
travaux crits entirement par vous; l'intention est plutt d'exercer le droit de contrler la distribution des travaux drivs ou collectifs bass sur la Bibliothque.</para>

<para>De plus, la simple agrgation avec la Bibliothque (ou avec un travail bas sur la Bibliothque) d'un autre travail non bas sur la Bibliothque sur un mme volume de stockage ou un support de distribution n'amne pas cet autre travail dans le champ d'application de cette Licence.</para>

</listitem>
</orderedlist></para>
</sect2>

<section id="sect3" label="3">
<title>Section 3</title>

<para>Vous pouvez choisir d'appliquer les termes de la Licence Gnrale Publique GNU ordinaire au lieu de deux de cette Licence  une copie donne de cette Bibliothque. Pour le faire, vous devez modifier les notices qui se rfrent cette Licence, de sorte qu'ils se rfrent plutt la Licence Gnrale Publique GNU version 2, au lieu de cette Licence. (Si une version officielle plus rcente que la version 2 de la Licence Gnrale Publique GNU ordinaire a t publie, alors vous pouvez specifier plutt cette version si vous le souhaitez.) N'effectuez aucun autre changement ces notices.</para>

<para>Ds que ce changement a t fait dans une copie donne, il est irrversible pour cette copie et donc la Licence Gnrale Publique GNU ordinaire s'appliquera toutes les copies suivantes et tous travaux drivs effectus partir de cette copie.</para>

<para>Cette option est utile quand vous souhaitez copier une partie du code de la Bibliothque en un programme qui n'est pas une bibliothque.</para>

</sect2>

<section id="sect4" label="4">
<title>Section 4</title>

<para>Vous pouvez copier et distribuer la Bibliothque (ou une portion ou un driv de celle-ci, suivant les termes de la <link linkend="sect2">Section 2</link>) sous forme de code objet ou excutable suivant les termes des <link linkend="sect1">Sections 1</link> et <link linkend="sect2">2</link> ci-dessus, pourvu que vous l'accompagniez avec le code source correspondant sous forme lisible par une machine, qui doit tre distribu suivant les termes des <link linkend="sect1">Sections 1</link> et <link linkend="sect2">2</link> ci-dessus sur un support utilis habituellement pour l'change de logiciels.</para>

<para>Si la distribution du code objet se fait en offrant l'acc la copie depuis un emplacement dsign, alors une offre d'acc quivalente pour copier le code source depuis le mme emplacement satisfait l'obligation de distribuer le code source, mme si des parties tierces ne sont pas obliges de copier simultanment le source en mme temps que le code objet.</para>

</sect2>

<section id="sect5" label="5">
<title>Section 5</title>
Un programme qui ne contient aucun driv d'une quelconque portion de la Bibliothèque, mais est conçu pour travailler avec la Bibliothèque en tant compil ou lié avec cette Bibliothèque, est appel un <quote>travail utilisant la Bibliothèque</quote>. Un tel travail, pris isolment, n'est pas un travail driv de la Bibliothèque et tombe par conséquent hors du champ d'application de cette Licence.</para>

Cependant, la liaison avec la Bibliothèque d'un <quote>travail utilisant la Bibliothèque</quote> crée un exécutable qui est un driv de la Bibliothèque (car il contient des portions de la Bibliothèque), plutôt qu'un <quote>travail utilisant la Bibliothèque</quote>. L'exécutable est par conséquent couvert par cette Licence. La <link linkend="sect6">Section 6</link> tablit les termes de distribution de tels exécutables.</para>

Quand un <quote>travail utilisant la Bibliothèque</quote> utilise des lments d'un fichier d'entrée faisant partie de la Bibliothèque, le code objet de ce travail peut tre un travail driv de la Bibliothèque mme si son code source ne l'est pas. Cette déinition prendra son sens tout particulièrement si le travail peut tre lié sans la Bibliothèque ou si le travail est lui-mme une bibliothèque. Les delimitations de ce cas ne sont pas définies de façon précise par la loi.</para>

Si un tel fichier objet utilise uniquement des paramètres numériques, des schmas et accesseurs de structures de données et de petites macros et petites fonctions en ligne (dix lignes de source ou moins en longueur), alors l'utilisation du fichier objet est non restreinte, indépendamment du fait que cela constitue également un travail driv. (Les règles de la <link linkend="sect6">Section 6</link> s'appliqueront tout de mme aux exécutables contenant ce code objet plus des portions de la Bibliothèque.)</para>

Autrement, si le travail est un driv de la Bibliothèque, vous pouvez distribuer le code objet pour le travail suivant les termes de la <link linkend="sect6">Section 6</link>. Les règles de la <link linkend="sect6">Section 6</link> s'appliquent alors tout exécutable contenant ce travail, que ce dernier soit ou ne soit pas lié directement avec la Bibliothèque elle-même.</para>

Par exception aux Sections ci-dessus, vous pouvez aussi combiner ou lier un <quote>travail utilisant la Bibliothèque</quote> avec la Bibliothèque pour produire un travail contenant des portions de la Bibliothèque et distribuer ce travail suivant les termes de votre choix, pourvu que ces termes permettent la modification du travail pour les besoins propres du client et l'ingénierie inverse permettant le débogage de telles modifications.</para>

Vous devez donner une notice explicite et vidente avec chaque copie du travail montrant que la Bibliothèque est utilisée dans celui-ci et que la Bibliothèque est couverte par cette Licence. Vous devez fournir une copie de cette Licence. Si le travail lors de son exécution affiche des notices de droits et propriétés intellectuelles, vous devez inclure la notice pour la Bibliothèque parmi celles-ci, ainsi qu'une référence adréss e l'utilisateur vers une copie de cette Licence. Vous devez aussi effectuer l'une des tâches suivantes: <orderedlist numeration="loweralpha">
  <listitem>
    <para id="sect6a">Accompagner le travail avec le code source complet correspondant lisible par une machine pour la Bibliothèque incluant tout changement quelconque qui ont ts effectus dans le travail (qui doit tre distribué suivant les Sections <link linkend="sect1">1</link> et <link linkend="sect2">2</link> ci-dessus); et, si le travail est un exécutable lié avec la Bibliothèque, fournir la totalité du <quote>travail utilisant la Bibliothèque</quote> lisible par une machine, sous forme de code objet ou source, de sorte que l'utilisateur puisse modifier la Bibliothèque et la relier pour produire un exécutable modifié contenant la Bibliothèque modifiée. (Il est admis que l'utilisateur qui change le
contenu de fichiers de définition dans la Bibliothèque ne sera pas nécessairement capable de recompiler l'application pour utiliser les définitions modifiées.)</para>

</listitem>

</listitem>

<para>Utiliser un mécanisme approprié de bibliothèque partage pour lier avec la Bibliothèque. Un mécanisme approprié est celui qui (1) utilise l'exécution une copie de la Bibliothèque déjà présente sur le système de l'ordinateur de l'utilisateur, plutôt que de copier les fonctions de bibliothèque dans l'exécutable et (2) fonctionnera correctement avec une version modifiée de la Bibliothèque, si l'utilisateur en installe une, tant que la version modifiée est compatible au niveau de l'interface avec la version avec laquelle le travail a été réalisé.</para>

</listitem>

</listitem>

<para>Accompagner le travail avec une offre écrite, valable pour au moins trois ans, de donner au même utilisateur les éléments spécifiques dans la <link linkend="sect6a">Sous-section 6a</link>, ci-dessus, contre un paiement n'excédant pas le coût requis pour effectuer cette distribution.</para>

</listitem>

</listitem>

<para>Si la distribution du travail est faite en offrant l'accès une copie depuis un emplacement désigné, offrir un accès équivalent depuis le même emplacement pour copier les éléments spécifiques ci-dessus.</para>

</listitem>

</listitem>

<para>Vérifier que l'utilisateur a déjà reçu une copie de ces éléments ou que vous en avez déjà envoyée une copie au même utilisateur.</para>

</listitem>

</orderedlist></para>

Pour un exécutable, la forme requise du <quote>travail utilisant la Bibliothèque</quote> doit inclure toutes les données et programmes utiles nécessaires permettant de reproduire l'exécutable partant de ceux-ci. Cependant, par exception, les matériels distribuer n'ont pas besoin d'inclure tout ce qui est normalement distribué (sous forme source ou binaire) avec les composants majeurs (compilateur, noyau et autres composants similaires) du système d'exploitation sur lequel l'exécutable fonctionne, moins que ce composant lui-même accompagne l'exécutable.</para>

Il peut arriver que ces conditions nécessaires contredisent les restrictions de licence d'autres bibliothèques propriétaires qui n'accompagnent pas normalement le système d'exploitation. Une telle contradiction signifie que vous ne pouvez pas les utiliser en même temps que la Bibliothèque dans un exécutable que vous distribuez.</para>

</sect2>

Pour un exécutable, la forme requise du <quote>travail utilisant la Bibliothèque</quote> doit inclure toutes les données et programmes utiles nécessaires permettant de reproduire l'exécutable partant de ceux-ci. Cependant, par exception, les matériels distribuer n'ont pas besoin d'inclure tout ce qui est normalement distribué (sous forme source ou binaire) avec les composants majeurs (compilateur, noyau et autres composants similaires) du système d'exploitation sur lequel l'exécutable fonctionne, moins que ce composant lui-même accompagne l'exécutable.

Il peut arriver que ces conditions nécessaires contredisent les restrictions de licence d'autres bibliothèques propriétaires qui n'accompagnent pas normalement le système d'exploitation. Une telle contradiction signifie que vous ne pouvez pas les utiliser en même temps que la Bibliothèque dans un exécutable que vous distribuez.

Vous pouvez placer les facilités de bibliothèque qui sont un travail bas sur la Bibliothèque cte cte dans une unique bibliothèque avec d'autres facilités de bibliothèque non couvertes par cette Licence et distribuer une telle bibliothèque combinée, pourvu que la distribution spare du travail bas sur la Bibliothèque et des autres facilités de bibliothèque soient autrement permises et pourvu que vous effectuiez chacune des deux tâches suivantes:

Accompagner la bibliothèque combinée avec une copie du même travail bas sur la Bibliothèque, non combinée
avec d'autres facilités de bibliothèque. Cela doit être distribué suivant les termes des Sections ci-dessus.

<sect2 id="sect8" label="8">
<title>Section 8</title>

 Vous ne pouvez pas copier, modifier, accorder des sous-licences, lier ou distribuer la Bibliothèque autrement que d'une façon décrite expressément par cette Licence. Autrement, toute tentative de copier, modifier, accorder des sous-licences, lier ou distribuer la Bibliothèque est invalide et mettra fin automatiquement vos droits accordés sous cette Licence. Toutefois, toute autre tierce partie qui a reçu des copies ou des droits, par vous suivant les termes de cette Licence n'aura pas sa licence termine, aussi longtemps que cette partie tierce continue de s'y conformer pleinement.

<sect2 id="sect9" label="9">
<title>Section 9</title>

 Vous n'êtes pas obligé d'accepter cette Licence, puisque vous ne l'avez pas signé. Cependant, rien d'autre ne vous accorde l'autorisation de modifier ou distribuer la Bibliothèque ou ses travaux dérivés. Ces actions sont également prohibées si vous n'acceptez pas cette Licence. Par conséquent, en modifiant ou distribuant la Bibliothèque (ou tout travail bas sur la Bibliothèque), vous indiquez votre acceptation de cette Licence pour le faire, ainsi que tous ses termes et conditions pour la copie, la distribution ou la modification de la Bibliothèque ou des travaux basés sur elle.

<sect2 id="sect10" label="10">
<title>Section 10</title>

 Chaque fois que vous redistribuez la Bibliothèque (ou tout travail bas sur la Bibliothèque), le destinataire reçoit automatiquement une licence par l'emetteur d'origine de la licence, permettant de copier, distribuer, lier ou modifier la Bibliothèque en accord avec les présents termes et conditions. Vous ne pouvez pas imposer davantage de restrictions sur l'exercice par le concessionnaire de cette licence des droits accordés dans la présente licence. Vous êtes dégagé de la responsabilité de contrôler la conformité d'usage de cette Licence par des tierces parties.

<sect2 id="sect11" label="11">
<title>Section 11</title>

 Si, par suite d'une décision judiciaire ou d'une allégation d'infraction d'un brevet ou pour toute autre raison (non limité aux problèmes de brevets), des conditions vous sont imposées (que ce soit par une ordonnance de justice, une transaction amiable ou contractuelle ou toute autre raison) qui contredisent les conditions de cette Licence, elles ne vous dégagent pas des obligations de cette Licence. Si vous ne pouvez pas effectuer une distribution de façon
satisfaire simultanément vos obligations sous cette Licence et toute autre obligation pertinente, alors vous ne pouvez
en aucun cas distribuer la Bibliothèque. Par exemple, si une licence de brevet ne permettait pas une redistribution de
la Bibliothèque sans paiement de royalties par tous ceux qui en reçoivent des copies directement ou indirectement
travers vous, alors la seule façon pour vous de satisfaire la fois les conditions imposées et cette Licence sera de vous
abstenir complètement de toute distribution de la Bibliothèque.</para>

<para>Si toute portion de cette section est jugée invalide ou inapplicable de plein droit dans une quelconque
circonstance particulière, le maximum possible de cette section est supposé s'appliquer et la section dans son tout est
supposé toujours applicable dans toutes les autres circonstances.</para>

<para>Le but de cette section n'est pas de vous obliger enfreindre un quelconque brevet ou d'autres prétentions
des droits de proprit ou de contester la validité de telles prétentions; cette section a pour seul but de protéger l'intégrité
du système de distribution des logiciels libres tel qu'il fonctionne au moyen de pratiques de licences publiques. De
nombreuses personnes ont fait des contributions généreuses à la gamme très tendue de logiciels distribués via ce système,
en comptant sur l'application rigoureuse et cohérente de ce système; il appartient seulement à l'auteur ou au donateur de
décider si il ou elle désire distribuer un logiciel via un autre système et le concessionnaire de licence ne peut pas
imposer ce choix.</para>

<para>Cette section a pour but d'établir de façon trs claire ce que l'on croit tre une conséquence nécessaire du reste de
Cette Licence.</para>

<sect2 id="sect12" label="12">
<title>Section 12</title>

<para>Si la distribution ou l'usage de la Bibliothèque est restreinte dans certains pays, que ce soit par des brevets
ou des interfaces soumises au droit de proprit intellectuelle, le titulaire original de ce droit de proprit qui place la
Bibliothèque sous la couverture de cette Licence peut ajouter une limitation géographique explicite de distribution
excluant ces pays, afin que la distribution soit permise seulement dans ou parmi les pays non exclus. Dans un tel cas,
cette Licence incorpore la limitation comme si elle tait rpute citée dans le corps de cette Licence.</para>

<sect2 id="sect13" label="13">
<title>Section 13</title>

<para>La Free Software Foundation peut publier des versions révisées ou nouvelles de la Licence Générale Publique
Limiée de temps en temps. De telles nouvelles versions resteront similaires à l'esprit de la présente version, mais peut
différer dans son détail afin de traiter de nouveaux problèmes ou préoccupations.</para>

<para>Chaque version reçoit un numéro de version distinctif. Si la Bibliothèque spécifie un numéro de version de cette
Licence qui s'applique celle-ci et toute autre version future, vous avez l'option de suivre les termes et conditions de cette version ou de toute version ultérieure publiées par la Free Software Foundation. Si la
Bibliothèque ne spécifie pas un numéro de version de licence, vous pouvez choisir n'importe quelle version publiée par
la Free Software Foundation.</para>

<sect2 id="sect14" label="14">
<title>Section 14</title>

<para>Open Source Used in Data Center Network Manager 11.5(1) 15853
Si vous souhaitez incorporer des parties de la Bibliothèque dans tout autre programme libre dont les conditions de distribution sont incompatibles avec ces termes, crivez l'auteur ou demandez son autorisation. Pour les logiciels dont les droits de proprit sont detenus par la Free Software Foundation, crivez la Free Software Foundation; nous faisons parfois des exceptions pour celui-ci. Notre décision sera guide par les deux finalités de préserver le statut libre de tous les dris de nos logiciels libres et de promouvoir le partage et la rutilisation des logiciels en général.

Puisque cette Bibliothèque fait l'objet d'une licence qui vous est accordée sans frais, il n'y a aucune garantie pour la Bibliothèque, dans les limites autorisées par la loi applicable. Moins que cela ne soit tabli différemment par Crivit, les titulaires de droits de proprit ou les autres parties fournissent la Bibliothèque telle quelle sans garantie d'aucune sorte, qu'elle soit exprime ou implicite, ceci incluant, mais sans limitation, les garanties implicites de marchandabilité et d'adquation un objectif particulier. Vous assumerez seul le risque tout entier concernant la qualité et la performance de la Bibliothèque. Dans l'éventualité où la Bibliothèque s'avérerait defectueuse, vous assumerez vous-même le coût de tous les services, rparations ou corrections nécessaires.

En aucune autre circonstance que celles requises par la loi applicable ou accordes par Crivit, un titulaire de droit de proprit, ou tout autre partie qui peut modifier ou redistribuer la Bibliothèque comme permis ci-dessus, ne pourra être tenu pour responsable envers vous pour les dommages, incluant tous dommage gnral, spcial, accidentel ou induit survenant par suite de l'utilisation ou de l'incapacité d'utiliser la Bibliothèque (ceci incluant mais sans limitation la perte de données ou l'inexactitude des données retournées ou les pertes subies par vous ou des parties tierces ou l'incapacité de la Bibliothèque fonctionner avec tout autre logiciel), mme si un tel titulaire ou toute autre partie a t avis de la possibilit de tels dommages.
Licencia Pública General Menor de GNU

Se permite a todo el mundo copiar y distribuir copias literales de este documento de licencia, pero no se permite modificarlo.

Las licencias que cubren la mayor parte del software están diseñadas para quitarle a usted la libertad de compartirlo y modificarlo, las Licencias Públicas Generales de GNU pretenden garantizarle la libertad de compartir y modificar el software libre, para asegurar que el software es libre para todos sus usuarios.

Daniel Mustieles

daniel.mustieles@gmail.com

Rafael Palomino
Las licencias que cubren la mayor parte del software están diseñadas para quitarle a usted la libertad de compartirlo y modificarlo, las Licencias Públicas Generales de GNU pretenden garantizarle la libertad de compartir y modificar el software libre, para asegurar que el software es libre para todos sus usuarios.

Cuando hablamos de software libre, estamos hablando de libertad, no a precio. Nuestras Licencias Públicas Generales están diseñadas para asegurarnos de que tenga la libertad de distribuir copias de software libre (y cobrar por ese servicio si quiere), de que reciba el código fuente o que pueda conseguirlo si lo quiere, de que pueda modificar el software o usar fragmentos de él en programas nuevos libres, y de que sepa que puede hacer todas estas cosas.

Esta licencia, la Licencia Pública General Menor (Lesser General Public Licence), se aplica a algunos paquetes de software diseñados específicamente tópicamente bibliotecas de la Free Software Foundation y de otros autores que deciden usarla. Usted puede usarla también, pero le sugerimos que piense primero cuidadosamente sobre si esta licencia o la General Public Licence ordinaria, es o no la estrategia mejor a usar en un caso particular, basándose en las explicaciones siguientes.

Cuando hablamos de software libre, nos referimos a libertad de uso, no a precio. Nuestras Licencias Públicas Generales están diseñadas para asegurar que usted tiene la libertad de distribuir copias de software libre (y cobrar por este servicio si quiere); que recibe el código fuente o que puede obtenerlo si lo quiere; que puede modificar el software y usar partes de él en nuevos programas libres; y de que ha sido informado de que puede hacer estas cosas.
Para proteger sus derechos necesitamos algunas restricciones que prohíban a cualquiera negarle a usted estos derechos o pedirle que renuncie a ellos. Estas restricciones se traducen en ciertas obligaciones que le afectan si distribuye copias de la biblioteca, o si la modifica.<para>

Por ejemplo, si distribuye copias de la biblioteca, sea gratuitamente, o a cambio de una contraprestación, debe dar a los receptores todos los derechos que tiene. Debe asegurarse de que ellos también reciben, o pueden conseguir, el código fuente. Si enlaza otro código con la biblioteca, debe proporcionar archivos objeto completos a los receptores, para que ellos puedan reenlazarlos con la biblioteca después de hacer cambios a la biblioteca y recompilarla. Y debe mostrarles estas condiciones de forma que conozcan sus derechos.<para>

Protegemos sus derechos con la combinación de dos medidas:
(1) Derechos de copia de la Biblioteca (copyright), y
(2) le ofrecemos esta licencia, que le da permiso legal para copiar, distribuir y/o modificar la biblioteca.<para>

Para proteger a cada uno de los distribuidores, queremos dejar muy claro que no existe garantía para la biblioteca libre. Además, si la biblioteca es modificada por alguien y se transmite, los receptores deben saber que lo que ellos tienen no es la versión original, de forma que la reputación del autor original no se ve afectada por problemas que podrán ser introducidos por otros.<para>

Finalmente, cualquier programa libre está constantemente amenazado por patentes sobre el software. Queremos evitar el peligro de que una compañía no pueda restringir efectivamente a los usuarios de un programa libre obteniendo una licencia restrictiva de un propietario de una patente. Para evitar esto, insistimos en que cualquier licencia de patente obtenida por una versión de la biblioteca deba ser consistente con la completa libertad de uso especificada en esta licencia.<para>

La mayoría del software de GNU, incluyendo algunas bibliotecas, están cubiertos por la Licencia Pública General ordinaria. Esta licencia, la GNU Licencia Pública General Menor, se aplica a ciertas bibliotecas designadas, y es un poco diferente de la Licencia Pública General. Usamos esta licencia para ciertas bibliotecas con el fin de permitir enlazar esas bibliotecas en programas no libres.<para>

Cuando un programa está enlazado con una biblioteca, ya sea estéticamente o usando una biblioteca compartida, la combinación de los dos es hablando legalmente un trabajo combinado, una derivación de la biblioteca original. La Licencia Pública General entonces permite dicho enlazado sólo si la combinación entera cumple con este criterio de libertad. La Licencia Pública General Menor permite un criterio más relajado para enlazar otro código con la biblioteca.<para>

Llamamos a esta licencia Licencia Pública General <quote>Menor</quote> porque hace Menos para proteger la libertad del usuario que la Licencia Pública General ordinaria. También proporciona otros desarrolladores de software libre Menos de las ventajas respecto a competir con programas que no sean software libre. Estas desventajas son la razón por la que usamos la licencia Licencia Pública General para muchas bibliotecas. Sin embargo, la licencia Menor proporciona ventajas en ciertas circunstancias especiales.<para>

Por ejemplo, en raras ocasiones puede haber una necesidad especial de fomentar lo más ampliamente posible el uso de una determinada biblioteca, de forma que esta se convierta en un estándar. Para conseguir esto, se debe permitir a los programas no libres el uso de estas bibliotecas. Un caso más frecuente es aquel en el que una biblioteca libre hace el mismo trabajo que el que realizan las bibliotecas no libres más ampliamente usadas. En este caso, hay poco que ganar limitando la biblioteca nicamente al software libre, de manera que usamos la Licencia Pública
En otros casos, el permiso para usar una biblioteca determinada en programas no libres posibilita a un mayor número de gente a usar una gran cantidad de software libre. Por ejemplo, el permiso para utilizar la biblioteca GNU C en programas no libres posibilita a mucha más gente a usar al completo el sistema operativo GNU, así como su variante, el sistema operativo GNU/LINUX.

Aunque la Licencia Pública General Menor es menos protectora para las libertades del usuario, asegura que el usuario de un programa que está enlazado con la biblioteca tiene la libertad y los medios para ejecutar ese programa usando una versión modificada de la biblioteca.

Los términos y las condiciones exactas para la copia, distribución y modificación se indican a continuación. Preste especial atención a la diferencia entre un «trabajo basado en la biblioteca» y un «trabajo que utiliza la biblioteca». El primero contiene código derivado de la biblioteca, mientras que el último debe estar unido con la biblioteca para ser ejecutado.

Este Acuerdo de Licencia se aplica a cualquier biblioteca de software u otro programa que contenga una notificación colocada por el poseedor del copyright u otra parte autorizada diciendo que puede distribuirse bajo los términos de la licencia Licencia Pública General Menor (también llamada «esta Licencia»). Cada licenciado se referirá como «Usted».

Una «biblioteca» significa una colección de funciones y/o datos de software, preparados para ser enlazados de una forma cómoda con programas de aplicación (que usan algunas de estas funciones y datos) para formar ejecutables.

La «Biblioteca» que sigue, se refiere a cualquier biblioteca de software que haya sido distribuida bajo estos términos. Un «trabajo basado en la Biblioteca» significa que, o la Biblioteca o cualquier trabajo derivado, esté bajo la ley de derechos de autor: es decir, un trabajo que contiene a la Biblioteca o a una parte de ella, ya sea de forma literal o con modificaciones y/o traducida de forma clara a otro idioma (mas abajo se incluye la traducción sin restricción en el término «modificación»).

El «código fuente» para un trabajo se refiere a la forma preferida del trabajo para hacer modificaciones en él. Para una Biblioteca, el código fuente completo significa todos los códigos fuente para todos los módulos que contenga la biblioteca, más cualquier fichero de definición de interfaz asociado, y los scripts asociados para controlar la compilación y la instalación de la biblioteca.

Otras actividades que no sean la copia, distribución y modificación no se encuentran cubiertas por esta Licencia; se encuentran fuera de su objetivo. La opción de ejecutar un programa utilizando la Biblioteca no está restringida, y el resultado de dicho programa está cubierto nicamente si su contenido constituye un trabajo basado en la Biblioteca (independientemente del uso de la Biblioteca como herramienta para escribirlo). Que esto sea cierto va a depender de lo que haga la Biblioteca y de lo que haga el programa que utiliza la Biblioteca.
Puede copiar y distribuir copias literales del código fuente completo de la Biblioteca tal y como la recibe, en cualquier medio, a condición de que usted publique de forma manifiesta y apropiada, en cada una de las copias, un aviso conveniente de derechos de autor y una renuncia de garantía; mantenga intactas todas las notificaciones que se refieran a esta Licencia y a la ausencia de cualquier garantía; y distribuya una copia de esta Licencia junto con la Biblioteca.

Puede cobrar un importe por el acto físico de trasladar una copia y puede, a opción suya, ofrecer una protección de garantía a cambio de un importe.

Puede modificar su copia o copias de la Biblioteca o de cualquier parte de ella, formando as un trabajo basado en la Biblioteca, y copiar y distribuir tales modificaciones o trabajo bajo los términos de la Sección 1 de arriba, siempre que usted también cumpla con todas estas condiciones:

- El trabajo modificado debe ser por sí mismo una biblioteca.
- Debe hacer que los ficheros modificados lleven avisos llamativos, declarando que usted cambió los ficheros y la fecha de cualquier cambio.
- Debe hacer que a todo el trabajo le sea concedida una licencia, sin cargo a terceras partes, bajo los términos de esta Licencia.
- Si una facilidad en la Biblioteca modificada se refiere a una función o a una tabla de datos, que deba ser suministrada por un programa de aplicación que usa la facilidad de otra manera que como un argumento pasado cuando la facilidad es invocada, entonces debe hacer un esfuerzo de buena fe para asegurar que, en caso de que una aplicación no suministre tal función o tabla, la facilidad aún funcione y haga que cualquier parte de su finalidad siga siendo significativa.

Por ejemplo, una función en una biblioteca para computar raíces cuadradas tiene un propósito que está bien definido completamente, independientemente de la aplicación. Por tanto, la Subsección 2d exige que cualquier función o tabla suministrada por la aplicación y usada por esa función debe ser opcional: si la aplicación no la suministra, la función raíz cuadrada debe seguir computando raíces cuadradas.

Estos requisitos se aplican al trabajo modificado como un todo. Si hay secciones identificables de ese trabajo que no derivan de la Biblioteca, y se pueden considerar razonablemente independientes y trabajos separados, por ellas mismas, entonces esta Licencia y sus términos, no se aplicarán a aquellas secciones cuando usted los distribuya como trabajos separados. Pero cuando usted distribuya las mismas secciones como parte de un todo, que
sea un trabajo basado en la Biblioteca, la distribución del todo debe estar bajo los términos de esta Licencia cuyos permisos para otros licenciatarios se extienden a todo el conjunto, y as para todas y cada una de las partes, sin tener en cuenta quien las escribi.</para>

<para>As pues, la intención de esta sección no es exigir derechos o discutir los derechos de un trabajo escrito completamente por usted; más bien, la intención es ejercer el derecho a controlar la distribución de trabajos derivados o colectivos basados en la Biblioteca.</para>

<para>Además, la mera agregación de otro trabajo no basado en la Biblioteca con la Biblioteca (o con un trabajo basado en la Biblioteca) en un volumen de almacenamiento o en un medio de distribución, no pone al otro trabajo bajo los objetivos de esta Licencia.</para>

<listitem>
</listitem></orderedlist></para>

</sect2>

<sect2 id="sect3" label="3">
<title>Sección 3</title>

<para>Usted puede optar por aplicar a una determinada copia de la Biblioteca, los términos de la Licencia Pública General GNU ordinaria en vez de los de esta Licencia. Para hacer esto, debe alterar todas las notificaciones que se refieren a esta Licencia, para que se refieran a la Licencia Pública General GNU ordinaria, versión 2, en vez de a esta Licencia. (Si ha aparecido una versión más reciente que la versión 2 de la Licencia Pública General GNU ordinaria, entonces, si quiere, puede especificar esa nueva versión). No haga ningún otro cambio en estas notificaciones.</para>

<para>Una vez que se haya hecho este cambio en una copia dada, es irreversible para esa copia, de modo que la Licencia Pública General GNU ordinaria se aplica a todas las copias siguientes y a trabajos derivados realizados a partir de esa copia.</para>

<para>Esta opción es útil cuando usted quiere copiar parte del código de la Biblioteca dentro de un programa que no es una biblioteca.</para>

</sect2>

<sect2 id="sect4" label="4">
<title>Sección 4</title>

<para>Puede copiar y distribuir la Biblioteca (o una porción o derivado de ella, bajo la Sección 2) en código objeto o forma ejecutable bajo los términos de las Secciones 1 y 2 arriba indicadas, siempre que la acompañe con el correspondiente código fuente legible (a máquina) completo, que debe ser distribuido bajo los términos de las Secciones 1 y 2 de arriba, en un medio usado habitualmente para el intercambio de software.</para>

<para>Si la distribución del código objeto se hace ofreciendo el acceso a su copia desde un lugar designado, entonces ofreciendo un acceso equivalente a la copia del código fuente desde el mismo sitio se satisfacen los requisitos para la distribución del código fuente, aunque las terceras partes no estén obligadas a copiar el código fuente junto con el código objeto.</para>

</sect2>
Un programa que no contiene derivado de ninguna porción de la Biblioteca, pero está diseñado para trabajar con la Biblioteca al ser compilado o enlazado con ella, se denomina un *trabajo que usa la Biblioteca*. Dicho trabajo, por separado, no es un trabajo derivado de la Biblioteca, y por tanto cae fuera del ámbito de esta Licencia.

Sin embargo, enlazar un *trabajo que usa la Biblioteca* con la Biblioteca, crea un ejecutable que es un derivado de la Biblioteca (porque contiene porciones de la Biblioteca). En vez de un *trabajo que usa la Biblioteca*. El ejecutable está tanto cubierto por esta Licencia. La Sección 6 expone los términos para la distribución de tales ejecutables.

Cuando un *trabajo que usa la Biblioteca* utiliza material de un fichero cabecera que forma parte de la Biblioteca, el código objeto del trabajo puede ser un trabajo derivado de la Biblioteca aunque el código fuente no lo sea. Que esto sea cierto es especialmente significativo si el trabajo puede ser enlazado sin la Biblioteca, o si el trabajo es por sí mismo una biblioteca. El límite para que esto sea cierto no está definido con precisión por la ley.

Si dicho fichero objeto utiliza solo parámetros numéricos, esquema de estructura de datos, y pequeñas macros y pequeñas funciones en línea (diez líneas o menos de longitud), entonces el uso del fichero objeto no está restringido, sin tener en cuenta si esto es legalmente un trabajo derivado. (Ejecutables que contengan este código objeto y porciones de la Biblioteca están aún bajo la Sección 6). Como excepción a las secciones anteriores, puede también combinar o enlazar un *trabajo que usa la Biblioteca* con la Biblioteca para producir un trabajo que contenga porciones de la Biblioteca, y distribuir ese trabajo bajo los términos de su elección, siempre que los términos permitan la modificación del trabajo por el uso propio del cliente y la ingeniería inversa para la depuración de tales modificaciones.

Debe incluir con cada copia del trabajo una notificación de que la Biblioteca se utiliza en él, y de que la Biblioteca y su uso están cubiertos por esta Licencia. Debe suministrar una copia de esta Licencia. Si el trabajo, durante su ejecución, muestra notas de derechos de autor, usted deberá incluir entre ellas las notas de derechos de autor de la Biblioteca, así como una referencia que dirija al usuario a la copia de esta Licencia. Además, usted debe hacer una de estas cosas:

- Acompañar el trabajo con el correspondiente código fuente legible (a máquina) completo de la Biblioteca, incluyendo cualquier cambio que fuera utilizado en el trabajo (el cual debe ser distribuido bajo las Secciones 1 y 2 de arriba); y, si el trabajo es un ejecutable enlazado con la Biblioteca, con el completo, legible (a máquina) *trabajo que usa la Biblioteca*, como código objeto y/o código fuente, de forma que el usuario pueda modificar la Biblioteca y...
reenlazar entonces para producir un ejecutable modificado que contenga la Biblioteca modificada. (Se entiende que el usuario que cambia los contenidos de los archivos de definiciones en la Biblioteca no necesariamente ser capaz de recompilar la aplicacín para usar las definiciones modificadas).</para>

<listitem>
  <para>Usar un mecanismo de biblioteca compartida adecuado para enlazar con la Biblioteca. Un mecanismo adecuado es uno que (1) utiliza en tiempo de ejecucín una copia de la biblioteca que est ya presente en el ordenador del usuario, en vez de copiar funciones de biblioteca dentro del executable, y (2) funcionar correctamente con una versin modificada de la biblioteca, si el usuario instala una, mientras que la versin modificada sea de interfaz compatible con la versin con la que se hizo el trabajo.</para>
</listitem>

<listitem>
  <para>Acompaar el trabajo con una oferta escrita, vlida por tres aos al menos, para proporcionar a dicho usuario los materiales especificados en la <link linkend="sect6a">Subseccin 6a</link> de arriba, por un precio no superior al coste de realizar esta distribucin.</para>
</listitem>

<listitem>
  <para>Si la distribucin del trabajo se hace ofreciendo el acceso a la copia desde un lugar determinado, ofrecer un acceso equivalente para la copia de los materiales especificados anteriormente desde el mismo lugar.</para>
</listitem>

<listitem>
  <para>Verificar que el usuario ha recibido ya una copia de estos materiales o que usted ya le ha enviado una copia a este usuario.</para>
</listitem>

<listitem>
  <para>Para un executable, la forma requerida del <quote>trabajo que usa la Biblioteca</quote> debe incluir todos los programas de datos y utilidades necesitados para reproducir el executable desde l. Sin embargo, como una excepcin especial, los materiales a distribuir no necesitan incluir nada de lo que es distribuido normalmente (ya sea en forma binaria o fuente) con los componentes principales (compilador, ncleo, y dems) del sistema operativo en el cual funciona el executable, a menos que el componente por l mismo acompae al executable.</para>

<p>Cuando est } para que este requisito contradiga las restricciones de la licencia de otras bibliotecas propietarias que no acompanan normalmente al sistema operativo. Dicha contradiccin significa que no puede usar estas y la Biblioteca juntas en un executable que usted distribuya.</p>

</sect2>

<sect2 id="sect7" label="7">
<title>Seccin 7</title>

<p>Puede colocar facilidades de biblioteca, que son un trabajo basado en la Biblioteca, juntas en una sola biblioteca junto con otras facilidades de biblioteca no cubiertas por esta Licencia, y distribuir dicha biblioteca combinada, con tal que la distribucin separada del trabajo basado en la Biblioteca y de las otras facilidades de biblioteca est, por lo dems, permitida, y con tal que usted haga estas dos cosas:</p>

<orderedlist numeration="loweralpha">
  <listitem>
  </listitem>
</sect2>
Acompañar la biblioteca combinada con una copia del mismo trabajo basado en la Biblioteca, no combinado con cualquier otra facilidad de biblioteca. Esto debe ser distribuido bajo los términos de las Secciones superiores.

Incluir una notificación destacada con la biblioteca combinada del hecho de que parte de ella es un trabajo basado en la Biblioteca, y explicando donde encontrar las formas sin combinar acompañantes del mismo trabajo.

Usted no puede copiar, modificar, sublicenciar o distribuir la Biblioteca salvo por lo permitido expresamente por esta Licencia. Cualquier otro intento de copia, modificación, sublicenciamiento o distribución de la Biblioteca es nulo, y dar por terminados automáticamente sus derechos bajo esa Licencia. Sin embargo, los terceros que hayan recibido copias, o derechos, de usted bajo esta Licencia no verán terminadas sus licencias, siempre que permanezcan en total conformidad con ella.

No se le exige que acepte esta Licencia, puesto que no la ha firmado. Sin embargo, ninguna otra cosa le concede a usted el permiso para modificar o distribuir la Biblioteca o sus trabajos derivados. Estas acciones están prohibidas por ley si usted no acepta esta Licencia. Por tanto, al modificar o distribuir la Biblioteca (o cualquier trabajo basado en la Biblioteca), usted indica su aceptación de esta Licencia para hacerlo, y todos sus términos y condiciones para copiar, distribuir o modificar la Biblioteca o los trabajos basados en ella.

Cada vez que usted distribuye la Biblioteca (o cualquier trabajo basado en la Biblioteca), el receptor recibe automáticamente una licencia del titular original de la Licencia para copiar, distribuir, enlazar con o modificar la Biblioteca sujeto a estos términos y condiciones. Usted no debe imponer ninguna restricción posterior sobre el ejercicio de los receptores de los derechos otorgados aquí mencionados. Usted no es responsable de imponer conformidad con esta Licencia por terceras partes.

Si, como consecuencia de un juicio o infracción de patente o por cualquier otra razón (no limitada a asuntos de patente) a usted se le imponen condiciones (sea orden judicial, acuerdo u otras) que contradigan las condiciones de esta Licencia, eso no le dispensa de las condiciones de esta Licencia. Si usted no puede distribuirla de tal forma
que satisfaga simultáneamente sus obligaciones con respecto a esta licencia y cualquier otras obligaciones pertinentes, entonces como consecuencia, no debe en absoluto distribuir la Biblioteca. Por ejemplo, si una licencia de patente no permitiera la redistribución libre de derechos de autor de la Biblioteca a todo aquellos que reciben copias directamente o indirectamente a través de usted, entonces la única forma en la que podrá satisfacer tanto esto como esta Licencia será abstenerse completamente de la distribución de la Biblioteca.</para>

<p>Si cualquier parte de esta sección se considera inválida o inaplicable bajo cualquier circunstancia particular, se intentar aplicar el balance de la sección, y en otras circunstancias se intentar aplicar la sección como un todo.</p>

<p>No es el propósito de esta sección el inducirle a usted a infringir cualquier demanda de derechos de patente u otros derechos de propiedad o el impugnar la validez de tales demandas; esta sección tiene el único propósito de proteger la integridad del sistema de distribución de software libre, lo cual se lleva a cabo mediante prácticas de licencia pública. Mucha gente ha hecho generosas contribuciones al amplio rango de software distribuido a través de este sistema, confiando en la firme aplicación de este sistema; es decisión del autor/donante decidir si el o ella quiere distribuir software a través de cualquier otro sistema y una licencia no puede imponer esa elección.</p>

<p>Esta sección tiene el propósito de esclarecer a fondo lo que se cree ser una consecuencia del resto de esta licencia.</p>

<sect id="sect12" label="12">
<title>Sección 12</title>

<p>Si la distribución y/u uso de la Biblioteca está restringida en ciertos países mediante patentes o interfaces con derechos de autor, el propietario de los derechos de autor originales, el cual puso la Biblioteca bajo esta Licencia, puede añadir una limitación a la distribución geográfica explícita excluyendo estos países, de forma que esta distribución se permita solamente en o entre países no excluidos. En tal caso, esta Licencia incorpora la limitación como si estuviera escrita en el cuerpo de esta Licencia.</p>

<sect id="sect13" label="13">
<title>Sección 13</title>

<p>La Free Software Foundation puede publicar versiones nuevas y revisadas de la Licencia Licencia Pública General Menor de vez en cuando. Dichas versiones nuevas serán similares en espiritu a la presente versión, pero pueden diferir en detalles para solucionar nuevos problemas o preocupaciones.</p>

<p>Cada versión tiene un número de versión que la distingue. Si la Biblioteca especifica que se aplica un número de versión en particular de esta Licencia y cualquier versión posterior, usted tiene la opción de seguir los términos y condiciones de la versión especificada o cualquier otra posterior que haya sido publicada por la Free Software Foundation. Si la Biblioteca no especifica un número de versión de esta Licencia, puede escoger cualquier versión que haya sido publicada por la Free Software Foundation.</p>

<sect id="sect14" label="14">
<title>Sección 14</title>
Si quiere incorporar partes de la Biblioteca en otros programas libres cuyas condiciones de distribución son incompatibles con estos, escriba al autor para pedirle permiso. Para el software cuyos derechos de autor pertenecen a la Free Software Foundation, escriba a la Free Software Foundation; nosotros hacemos a veces excepciones a esto. Nuestra decisión se guiará generalmente por los dos objetivos de preservar el estatus libre de todo lo derivado de nuestro software libre y de promover la compartición y reutilización de software.

DEBIDO A QUE LA BIBLIOTECA ESTÁ LICENCIADA LIBRE DE CARGO, NO HAY GARANTÍA PARA LA BIBLIOTECA EN LA EXTENSIÓN PERMITIDA POR LA LEY APLICABLE. EXCEPTO CUANDO SE ESTABLEZCA DE OTRO MODO POR ESCRITO, LOS POSEEDORES DEL DERECHO DE AUTOR Y/O OTRAS PARTES SUMINISTRAN LA BIBLIOTECA "TAL CUAL" SIN GARANTÍA DE NINGUNA CLASE, YA SEA DE FORMA EXPRESA O IMPLÍCITA, INCLUYENDO, PERO NO LIMITADA A, LAS GARANTÍAS IMPLÍCITAS DE COMERCIABILIDAD Y ADECUACIÓN PARA UN PROPÓSITO PARTICULAR. TODO EL RIESGO EN CUANTO A CALIDAD Y EJECUCIÓN DE LA BIBLIOTECA ES SUYO. SI LA BIBLIOTECA RESULTARA ESTAR DEFEKTUOSA, USTED ASUME EL COSTE DE TODO EL MANTENIMIENTO, REPARACIÓN O CORRECCIÓN NECESARIA.

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<personname><firstname>Daniel Mustieles</firstname></personname>
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	<para>Eliminar cualquier seccion titulada <quote>Aprobaciones</quote>. Tales secciones no pueden estar incluidas en las <link linkend="fdl-modified">Versiones Modificadas</link>.</para>
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Giy Php ny nhm mc ch lm cho s tay, cun sch gio hay ti liu ghi ra khec l
<quote>t do</quote>: m bo mi ngi c quyn sao chp v pt hhnh li ti liu , c sa i n hay hhng, mt cch thng mi hay hhng.
Th hai, Giy Php ny bo tn cho tc gi v nh xut bn c cch hng cng trng v s c gng ca mnh, cn h hhng c coi c chu trch nhim
v s sa i ca ngi hhc.</para></abstract>

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<title>LI M U</title>
<para>Giy Php ny nhm mc ch lm cho s tay, cun sch gio hay ti liu ghi ra khec l
<quote>t do</quote>: m bo mi ngi c
quyn sao chp v pt hhnh li ti liu , c sa i n hay hhng, mt cch thng mi hay hhng. Th hai, Giy Php ny bo tn cho tc gi v nh
xut bn c cch hng cng trng v s c gng ca mnh, cn h hhng c coi c chu trch nhim v s sa i ca ngi hhc.</para>

<para>Giy php ny l kiu <quote>tc quyn ngc</quote>, c ngha l mi sn phm bt ngun t ti liu ny cng phi l t do v cng
ngaha. N b tr Giy Php Cng cng GNU (GPL), mt giy php tc quyn ngc c thit k cho phn mm dng t do.</para>

<para>Chng ti thit k Giy php ny dng n vi s tay hng dn cch s dng phn mm t do, v phn mm t do cn thit ti liu cng t
do: chng trnh t do nn c sn s tay cung cp cng nhng quyn t do vi phn mm . Tuy nhin Giy php ny hhng b hn ch trong cc
s tay phn mm; n c th c dng vi bt c vn bn no, bt chp ch , bt chp n l cun sch c in ra hay hhng. Chng ti ngh Giy php ny
chnh cho ti liu nhm mc ch hng dn hay tham kho.</para>

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<para id="fdl-document">Giy php ny p dng cho bt k s tay no hay vn bn hhc ch thng bo c chn bi ngi gi te quyn, ni
rng n c th c pt hhnh vi iu kin ca Giy php ny. <quote>Ti liu</quote> bn di i din bt c s tay hay vn bn no nh vy. Bt c ngi
ring no l ngi c cp bn quyn, v c gi l bn.</para>

<para id="fdl-modified"><quote>Phin bn Sa i</quote> ca Ti liu c ngha l bt c vn bn cha Ti liu hay on no ca n, hoc
c soa chp ng nguy vn, hoc vi s sa i v/ha ch dch sng ng nh hhc.</para>

<para id="fdl-secondary"><quote>Tit on Ph</quote> l ph lc c tn hay tit on trc ca <link linkend="fdl-
document">Ti liu</link> m din t ch quan h ca nh xut bn hay tc gi ca Ti liu vi ch chnh ca Ti liu (hoc vi ch lin quan)
v hhng ca g mm trong ch chnh . (Ly th d, nu Ti liu c tit on l cun sch gio ton hc, Tit on Ph hhng th din t g v ton hc.)
Quan h ny c th l lin kt lch s vi ch hay vi ch lin quan, hoc l lun im hp php, thng mi, thuc trit hc, thuc o c hay chnh tr
v chnh.</para>

<para id="fdl-invariant"><quote>Tit on Bt Bin</quote> l <link linkend="fdl-secondary">Tit on Ph</link> c tiu c
xch nh l Tit on Bt Bin trong thng bo ni rng <link linkend="fdl-document">Ti liu</link> c phh hhnh di Giy php
ny.</para>

<para id="fdl-cover-texts"><quote>Bn sao Trong Sut</quote> ca <link linkend="fdl-document">Ti liu</link>
ngha l bn sao cho my c c, c i din theo mt nh dng c c t cng b cho mi ngi xem, c ni dng cho ngi dng xem v sa i mt cch
trc tip v r rng bng trnh son tho vn bn gng loi hay (i vi nh c cu trc theo im nh) trnh sn gng loi hay (i vi be v) trnh hieu chnh be c v c cng b rng ri, m thc hp nhp vo trnh nh dmg vn bn hay dch t ng sang nhu nh dmg khc nhau thch hp nhp vo trnh nh dmg vn bn. Bn sao c to theo mt nh dmg tp tin Trong Sut bng cch khc tr n c m nh dmg c thit k chn hay can ngn ngi c sa i th khang phi l Trong Sut. Bn sao khang phi l Trong Sut c gi l "quelle c</quote>. ./para

<para>Nhung nh dmg thch hp vi bn sao Trong Sut gm c ASCII chun khng c m nh dmg, nh dmg nhp vo Texinfo, nh dmg nhp vo LaTeX, SGML hay XML dmg mt DTD c cng b, v HTML n ginh p hp vi tiu chun c thit k cho ngi sa i. Nhung nh dmg c gm c PostScript, PDF, nh dmg s hu c th c v sa i ch bng trnh x l t s lu, SGML hay XML cho DTD hay/v cng c x l khng c cng b, v HTML do my to ra c to bi mt s trnh x l t ch cho mc ch xut.</para>

<para id="fdl-title-page">&lt;quote&gt;Trang Tiu &lt;/quote&gt; c ngha l, i vi cun sch c in ra, trang tiu chnh n, cng vi trang sau no cn thit hin th r rng ngiu liu phi xut hin trn trang tiu , ty theo Giy php ny. i vi vn bn theo nh dmg khng c trang tiu nh th, &lt;quote&gt;Trang Tiu &lt;/quote&gt; nga l vn bn gn v tr hin th r rng nh tgt tu ca vn bn, nm trc thn vn bn.&lt;/para&gt;  
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&lt;/sect1 id="fdl-section2" label="2">  
&lt;title&gt;SAO CHP NG NGUYN VN&lt;/title&gt;  
&lt;/para&gt;Cho php bn sao cph v phl hnh &lt;link linkend="fdl-document">Ti liu&lt;/link&gt; trong bt c vt cha no, thng mi hay khng, min l Giy php ny, nhng thng bo tc quyvn, v thng bo giy php ni rng Giy php ny p dng cho Ti liu c to li trong mi bn sao, v bn khng thm iu kin khc no vo nhng iu kn ca Giy php ny. Khng cho php bn s dmg bin php k thut gy tr ngi cho hay iu kin hot ng c hay sao cph thm na nhng bn sao bn to hay phl hnh. Tuy nhin, cho php bn cph nhn s n b trao cho bn sao. Nu bn phl hnh s bn sao In, bn cng phi tun theo iu kin trong &lt;link linkend="fdl-section3">phn 3&lt;/link&gt;.&lt;/para&gt;  

&lt;/sect1 id="fdl-section3" label="3">  
&lt;title&gt;SAO CHP HNG LOT&lt;/title&gt;  
&lt;/para&gt;Nu bn xut bn s bn sao c in ra ca &lt;link linkend="fdl-document">Ti liu&lt;/link&gt; hn 100, v thng bo giy php ca Ti liu cn thit &lt;link linkend="fdl-cover-texts">on Ba&lt;/link&gt;, bn phi vy quanh mi bn sao trong ba hin th r rng tt c cc on Ba ny : on Ba Trc trn ba trc, cn on Ba Sau trn ba sau. C hai ba cng phi hin th r rng bn l nh xut bn nhng bn sao ny. Ba trc phi hin th tiu y c mi t r rng u. Cho php bn thm ngiu liu na trn ba. Vic sao cph ch thay i ba, min l ba bo tn tiu ca &lt;link linkend="fdl-document">Ti liu&lt;/link&gt; v tho nhng iu kin ny, c t h c o i l vic sao cph ng ngiu vn bng cch khc.&lt;/para&gt;  

&lt;/para&gt;Nu nhng vn bn bt buc phi nm trn ba no l qu di hin th r rng, bn nn hin th nhng on th nh t c lit k (nhu nh t hin th c r) trn ba , v hin th vn bn cn li trn cc trang tip cn.&lt;/para&gt;  

&lt;/para&gt;Nu bn xut bn hay phl hnh s bn sao &lt;link linkend="fdl-transparent">c&lt;/link&gt; ca &lt;link linkend="fdl-document">Ti liu&lt;/link&gt; hn 100, bn phi hoc phl hnh mt bn sao &lt;link linkend="fdl-transparent">Trong Sut&lt;/link&gt; cho my c c cng vi mi bn sao c, hoc phl biu trong hay vi mi bn sao c mt a im trn mng my thnh cho mi ngi truy cp m cha mt bn sao Trong Sut hon thnh ca Ti liu, khng c ngiu liu c thm, vo mi ngi s dmg mng chung c th truy cp ti xung v danh v min ph bng giao thc thy mng tiu chun cng cng. Nu bn s dmg ty chn th hai, bn cn phi theo mt s bc hi cn thn, khi bn bt u phl hnh hng lot bn sao c, cch chn l bn sao Trong Sut ny s vn cn cho ngi dmg truy cp a im ghi r trong t nh t mt mm sau ln cu cui cng bn phl hnh mt bn sao c (mt cch trc tip hay qua i l hay hng bn) ca bn sa i cho cng cng.&lt;/para&gt;
Yu cu, nhng khng cn thit bn lin lc vi nhng tc gi ca Ti liu kh trc khi pt hnh hng lot bn sao, cho h c dp cng cp phin bn Ti liu c cp nht.

SA I

Cho php bn sao chp v pt hnh Ti liu vi iu kin ca phn v vi tiu ca phin bn no trc (cc phin bn trc, nu c, nn c lit k trong phn Lch s ca Ti liu). Nh xut bn gc cho php th bn c quyn s dng mt tiu vi phin bn trc.

Dng trn Trang Ti u (cng trn nhng ba, nu c) mt tiu khe bit vi tiu ca Ti liu v vi tiu ca phin bn no trc (cc phin bn trc, nu c, nn c lit k trong phn Lch s ca Ti liu). Nh xut bn gc cho php th bn c quyn s dng mt tiu vi phin bn trc.

Lit k trn Trang Ti u, lm tc gi, mt hay nhui ngi hay thc th chu trch nhim to s sa i trong Phin bn Sa i, cng vi t h nhm te gi chnh ca Phin bn Ti liu (tt c cc tc gi chnh, nu s t hnh). Nh xut bn gc cho php th bn c quyn s dng mt tiu vi phin bn trc.

Ghi r trn Trang Ti u, tn ca nh xut bn Phin bn Sa i, lm nh xut bn.

Bo tn tt c cc thng bo te quyn ca Ti liu.

Thm mt thng bo te quyn thch hp vi s sa i ca bn, tip c vi cc thng bo te quyn khec.

Chn vo, ng sau nhng thng bo te quyn, mt thng bo giy php cho php mi ngi s dng Phin bn Sa i vi iu kin ca Giy php ny, dng mu c hin th trong Ph lc bn di.

Bo trn trong thng bo giy php nhng danh sch y o Ba vi thit a ra trong thng bo giy php ca Ti liu.
<listitem>
<para>Gm c mt bn sao cha thay i ca Giy php ny.</para>
</listitem>

<listitem>
<para>Bo tn pn tn <quote>Lch s</quote>, cng vi tiu ca n, v thm vo n mt mc pht biu t nht tiu, nm xut bn, cc tc gi mi v nh xut bn ca <link linkend="fdl-modified">Phin bn Sa i</link> nh a ra trn <link linkend="fdl-title-page">Trang Tiu</link>. Khng c phn tn <quote>Lch S</quote> trong <link linkend="fdl-document">Ti liu</link> th bn to mt iu pht biu t nht tiu, nm xut bn, cc tc gi v nh xut bn ca <link linkend="fdl-document">Ti liu</link> nh a ra trn <link linkend="fdl-title-page">Trang Tiu</link> ca n, ri thm mt mc din t <link linkend="fdl-modified">Phin bn Sa i</link> nh c pht biu trong cu trc.</para>
</listitem>

<listitem>
<para>Bo tn a im trn mnng, nu c, a ra trong <link linkend="fdl-document">Ti liu</link> cho mi ngi truy cp mt bn sao <link linkend="fdl-transparent">Trong Sut</link> ca <link linkend="fdl-document">Ti liu</link>, cng vy a im mnng a ra trong <link linkend="fdl-document">Ti liu</link> cho cc phn bn trc vo n da. Cho php bn chn nhng iu ny vo phn <quote>Lch s</quote>. Cho php bn b st mt a im mnng i vi vn bn xut bn t nht bn nm trc <link linkend="fdl-document">Ti liu</link> chnh n, hoc nu nh xut bn gc ca phin bn n cp c cho php.</para>
</listitem>

<listitem>
<para>i vi bt c phn no tn <quote>Li Bo Nhn</quote> hay <quote>Li Tng</quote>, bo tn tiu ca phn, cng bo tn trong n ton b nguy lien v ging iu u ca mi li bo nhn v/hay li tng ngi ng gp cho.</para>
</listitem>

<listitem>
<para>Bo tn tt c cc <link linkend="fdl-invariant">Tit on Bt Bin</link> ca <link linkend="fdl-document">Ti liu</link>, c vn bn ln tiu u khng thay i. S hiu tit on hay tng ng khng c xem l phn ca tiu tit on.</para>
</listitem>

<listitem>
<para>Bo b tit on no c tiu <quote>S Xc nhn</quote>. Khng cho php <link linkend="fdl-modified">Phin bn Sa i</link> cha tit on nh vy.</para>
</listitem>

<listitem>
<para>ng thay i tiu ca k c tit on tn ti thnh <quote>S Xc nhn</quote> hoc thnh g xung t vi tiu ca bt c <link linkend="fdl-invariant">Tit on Bt Bin</link> no.</para>
</listitem>

<itemizedlist>

<para>Nu <link linkend="fdl-modified">Phin bn Sa i</link> gm c tit on trc hay ph lc tho tiu chun ca <link linkend="fdl-secondary">Tit on Ph</link> v khng cha nguy lien c sao chp t <link linkend="fdl-document">Ti liu</link>, cho php bn ty chn xc nh mt s hay t c nhng tit on ny l bt bin. Im nh th, hy thm cc tiu ca chng vo danh sch cc <link linkend="fdl-invariant">Tit on Bt Bin</link> trong thng bo giy php ca <link linkend="fdl-modified">Phin bn Sa i</link>. Nhng tiu ny phi ring bit vi bt k tiu tit on khc.</para>
</itemizedlist>
Cho php bn thm mt tit on c tiu <quote>S Xc nhn</quote>, min l n cha ch s xc nhn <link linkend="fdl-modified">Phin bn Sa i</link> ca cc bn khec nhau ly th d, bi ph bnh ngang hng hay li pht biu rng vn bn c tn thnh bi mt t chc no lm s xc nh c cn c ca mt tiu chun.</para>

Cho php bn thm mt on cha n nm t lm <link linkend="fdl-cover-texts">on Ba Trc</link>, v mt on cha n 25 t lm <link linkend="fdl-cover-texts">on Ba Sau</link>, vo kt thc ca danh sch cc <link linkend="fdl-cover-texts">on Ba</link> trong <link linkend="fdl-modified">Phin bn Sa i</link>. Cho php mi thc th thm (hay thu xp thm) ch mt <link linkend="fdl-cover-texts">on Ba Trc</link> <v ch mt <link linkend="fdl-cover-texts">on Ba Sau</link>. Nu <link linkend="fdl-document">Ti liu</link> cha mt on ba trn ba , c thm trc bi bn (hoc c thu xp thm bi cng mt the th bn i din), khng cho php bn thm on na; nhng bn c th thay th iu c nu nh xut bn thm n cho php dt khot.</para>

(Nhng) tc gi v nh xut bn ca <link linkend="fdl-document">on Tt liu</link> khng phi bng Giy Php ny cho php s dng tn ca h trong tinh cng khai hoc xc nhn (trc tip hay c ng ) bt c <link linkend="fdl-modified">Phin bn Sa i</link> no.</para>

KT HP TI LIU</title>

Cho php bn kt hp <link linkend="fdl-document">Ti liu</link> vi cc ti liu khec c pht hnh di Giy php ny, vi iu kin c xc nh trong <link linkend="fdl-section4">phn 4</link> trn v phin bn sa i, min l bn gm trong s kt hp tt c cc <link linkend="fdl-invariant">Tit on Bt Bin</link> ca t t cc ti liu gc, cha sa i, v lit k tt c chng l <link linkend="fdl-invariant">Tit on Bt Bin</link> ca vn bn kt hp, trong thng bo giy php ca n.</para>

Vn bn kt hp cn phi cha ch mt bn sao ca Giy php ny; cng cho php thay th nhieu <link linkend="fdl-invariant">Tit on Bt Bin</link> ca tng bng cng mt bn sao. Nu c nhieu <link linkend="fdl-invariant">Tit on Bt Bin</link> trng bng cng cc ca tng bn c nhieu <link linkend="fdl-invariant">Tit on Bt Bin</link> ca vn bn kt hp.</para>

Trong s kt hp, bn phi kt hp bt k tit on c tiu <quote>Lch s</quote> ca nhng ti liu gc khec nhau, th to cng mt tit on c tiu <quote>Lch s</quote>; cng vy kt hp bt k tit on c tiu <quote>Li Bo Nh</quote>, v bt k tit on c tiu <quote>Li Tng</quote>. Bn phi xo b mi tit on c tiu <quote>S Xc Nh</quote>.</para>

TP HP TI LIU</title>

Cho php bn to mt tp hp cha <link linkend="fdl-document">Ti liu</link> v cc ti liu khec nhau cng c pht hnh di Giy php ny, v thay th nhng bn sao ring ca Giy php ny trong nhng ti liu khec nhau bng cng mt bn sao c bao gm trong tp hp, min l bn theo nhng quy te ca Giy php ny mi phng din khec i vi vic sao chp ng nguyn vn mi ti liu.</para>

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</sect1>
<sect1 id="fdl-section7" label="7">
<title>TP HP VI SN PHM C LP</title>
</sect1>

<sect1 id="fdl-section8" label="8">
<title>THNG DCH</title>
</sect1>

<sect1 id="fdl-section9" label="9">
<title>KT THC</title>
<para>Khng cho php bn sao chp, sa i, cp ph hay ph hnh <link linkend="fdl-document"/> Ti liu <link linkend="fdl-document"/> , tr phi vi nhng iu kin dt khot ca Giy php ny. Bt c s c gng khc nh sao chp, sa i, cp ph hay ph hnh Ti liu b bi b, v s kt the t ng cc quy ca bn di Giy php ny. Tuy nhin, nhng ngi nhn bn sao, hay quy, t bn di Giy php ny s khng c giy php b bt thc min l h tip tc tun theo hon ton.</para>
</sect1>

<sect1 id="fdl-section10" label="10">
<title>BN SA I TNG LAI CA GIY PHP NY</title>

<para>Mi phin bn ca Giy php nhn mt s hiu phin bn ring. Nu <link linkend="fdl-document"/> Ti liu <link linkend="fdl-document"/> xc nh rng mt phin bn c s hiu ring ca Giy php ny <quote>hay bt c phin bn sau no</quote> p dng cho n, bn c ty chn tun theo iu kin hoc ca phin bn xc nh, hoc ca bt c phin bn sau no c cn g b (khng phi l nhp) bi T chc Phn mm T do. Nu <link linkend="fdl-document"/> Ti liu <link linkend="fdl-document"/> khng xc nh mt s hiu phin bn ring ca Giy php ny, cho php bn chn bt c phin bn no c cn g b (khng phi l nhp) bi T chc Phn mm T do.</para>
</sect1>
Ph Lc

dng Giy php ny trong mt ti liu bn to, hy gm mt bn sao ca Giy php trong ti liu, v thm nhng thng bo tc quy
v giy php ny sau trang tiu :

<blockquote>
<Tc quyyn NM H TN CA BN></blockquote>

C cp quyyn sao chp, pht hnh v/hay sa i ti liu ny vi iu kin ca Giy php Ti liu T do GNU (GFDL), Phin bn 1.1
hay bt c phin bn sau no c cng b bi T chc Phn mm T do; cn nhng <link linkend="fdl-invariant">Tit on Bt Bin</link> 1
LIT K CC TIU , cn nhng <link linkend="fdl-cover-texts">on Ba Trc</link> 1 LIT K, v cn nhng <link linkend="fdl-
cover-texts">on Ba Sau</link> 1 LIT K. Mt bn sau ca giy php c gm trong tit on c tiu <quote>Giy php Ti liu T do
GNU</quote>.</para>

Nu bn khng c <link linkend="fdl-invariant">Tit on Bt Bin</link>, hy vit <quote>khung c Tit on Bt
Bin</quote> thay cho lit k nhng tit on bt bin. Vy nu bn khng c <link linkend="fdl-cover-texts">on Ba Trc</link>,
vit <quote>khung c on Ba Trc</quote> thay cho lit k chng; cng vy i vi <link linkend="fdl-cover-texts">on Ba
Sau</link>.</para>

Nu ti liu ca bn cha mu th d ng k ca m ngun chng trnh, khuyn bn pht hnh nhng mu ny mt cch song song di
giy php phnh mm t do mun, v.d. <ulink type="http" url="http://www.gnu.org/copyleft/gpl.html"> Giy php Cng cng
GNU</ulink> (GPL), cho php ngi khc dung m ny trong phnh mm t do.</para>

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</para>

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</para>

<para>
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</para>
</listitem>
</orderedlist>
</sect2>

<sect2 id="sect3" label="3">
<title>Seccion 3</title>

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therefore falls outside the scope of this License.
</para>

<para>
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</para>

<para>
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</para>

<para>
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</para>

<para>
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</para>

</sect2>

<sect2 id="sect6" label="6">
<title>Seccion 6</title>

<para>
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modification of the work for the customer's own use and reverse engineering for debugging such modifications.

</para>

<para>
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<orderedlist numeration="loweralpha">
    <listitem>
        <para id="sect6a">
            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 <link linkend="sect1">1</link> and <link linkend="sect2">2</link> 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.)
        </para>
    </listitem>
    <listitem>
        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.
    </listitem>
    <listitem>
        Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in <link linkend="sect6a">Subsection 6a</link>, above, for a charge no more than the cost of performing this distribution.
<para>
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.
</para>

<para>
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
</para>

<para>
For an executable, the required form of the <quote>work that uses the
Library</quote> 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.
</para>

<para>
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.
</para>

<sect2 id="sect7" label="7">
<title>Seccion 7</title>

<para>
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library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:
</para>

<orderedlist numeration="loweralpha">
<li>
<para>
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.
</para>
</li>
<li>
<para>
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.
</para>
</li>
</orderedlist>

<sect2 id="sect8" label="8">
<title>Seccion 8</title>

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</para>
</sect2>

<sect2 id="sect9" label="9">
<title>Seccion 9</title>

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</para>

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

</para>
</sect2>

<sect2 id="sect12" label="12">
<title>Seccion 12</title>

</para>

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</para>
</sect2>

<sect2 id="sect13" label="13">
<title>Seccion 13</title>

</para>

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</para>

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</sect2>

</sect2>
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- You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of...
its purpose remains meaningful.
</para>

<para>
(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.)
</para>

<para>
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.
</para>

<para>
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.
</para>

<para>
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.
</para>

</sect2>

<sect2 id="sect3" label="3">
<title>3</title>

<para>
LGPL GPL LGPL GPL 2 (GPL 2 ).</para>
</sect2>
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:

<orderedlist numeration="loweralpha"/>

<li>
  <para id="sect6a">
    Accompany the work with the complete corresponding
  </para>
</li>
machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections <link linkend="sect1">1</link> and <link linkend="sect2">2</link> above); and, if the work is an executable linked with the Library, with the complete machine-readable <quote>work that uses the Library</quote>, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in <link linkend="sect6a">Subsection 6a</link>, above, for a charge no more than the cost of performing this distribution.

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.

Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
<para> <quote>  </quote>             .    ,     (  )  (   )               .</para>

<para>                            .</para>
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<sect2 id="sect7" label="7">
<title>7</title>

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<sect2 id="sect8" label="8">
<title>8</title>

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<sect2 id="sect9" label="9">
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<sect2 id="sect10" label="10">
<title>10</title>

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</sect2>

<sect2 id="sect11" label="11">
<title>11</title>

<para>                              .                     .  ,             3        ,             .</para>
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in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

<para>

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<para>

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</para>

<para>

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.

</para>

<para>

In addition, mere aggregation of another work not based on 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.

</para>
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<orderedlist numeration="loweralpha">
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    <para id="sect6a">
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    </para>
  </listitem>
  <listitem>
    <para>
      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.
    </para>
  </listitem>
  <listitem>
    <para>
      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.
    </para>
  </listitem>
  <listitem>
    <para>
      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.
</para>
</listitem>
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</para>
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
</para>
</listitem>
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</para>

For an executable, the required form of the <quote>work that uses the Library</quote> 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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<sect2 id="sect7" label="7">
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<sect2 id="sect8" label="8">
<title> 8</title>
<para> , , , , , , , , , , , , '</para>
</sect2>

... , , , , , , , , , , , , .</para>
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You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.
If the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.

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1. 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; or,
2. Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code,
to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
</para>
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</para>
Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
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<sect2 id="sect4" label="4">
<title>Paragraf 4</title>

<para>Zdrojov kd k dlu je nejvhodnj formou dla z hlediska jeho ppadnh modifikac. Pro dlo ve spustitelnm tvaru znamen pln zdrojov kd veker zdrojov kd pro vechny moduly, kter obsahuje, plus jakkoli dal soubory pro definici rozhran, plus dvkov soubory potebn pro kompilaci a instalaci spustitelnho programu. Zvltn vjimkou jsou vak ty softwarov komponenty, kter jsou normln eny (bu ve zdrojov nebo binrn form) s hlavnmi soustmi operanho systmu, na nm spustiteln program b (tj. s pekladaem, jdrem apod.). Tyto komponenty nemus bt eny se zdrojovm kdem, pokud ovem komponenta sama nedoprovz spustitelnou podobu dla.</para>

<para>Je-li en objektovho nebo spustitelnho kdu inno nabdkou pstupu ke koprovn z uritho msta, potom se za distribuci zdrojovho kdu pot i nabdnut ekvivalentnho pstupu ke koprovn zdrojovho kdu ze stejho msta, by pitom nejsou tet strany nuceny ke zkoprovn zdrojovho kdu spolu s objektovm.</para>
</sect2>

<sect2 id="sect5" label="5">
<title>Paragraf 5</title>

<para>Nesmte koprovat, modifikovat, poskytovat sublicence anebo it program jinm zpsobem ne vslovn uvedenm v tto licenci. Jakkoli jin pokus o koprovn, modifikovn, poskytnut sublicence anebo en programu je neplatn a automaticky ukon vae prvadanto licenci. Strany, kter od vs obdrel y kopie anebo prva v souladu s touto licenc, vak nemaj sv licence ukoneny, dokud se jim pln podizuj.</para>
</sect2>

<sect2 id="sect6" label="6">
<title>Paragraf 6</title>

<para>Nen va povinnost tuto licenci pijmout, protoe jste ji nepodepsal. Nic jinho vm vak nedv monost koprovat nebo it program nebo odvozen dla. V ppad, e tuto licenci nepijmete, jsou tyto innosti zkonem zakzny. Tm pdem modifikac anebo enm programu (anebo kadho dla zaloenho na programu) vyjadujete sv podzen se licenci a vem jejim ustanovenm a podmnkm pro koprovan, modifikovn a en programu a dl na nm zaloench.</para>
</sect2>
Pokad, kdy redistribuujete program (nebo dlo zaloen na programu), zskv pjemce od pvodnho dritele licence prvo koprovat, modifikovat a it program v souladu s tmito ustanovenmi a podmnkami. Nesmte klst dn dal pekky vkonu zde zaruench pjemcovch prv. Nejste odpovdn za vymhn dodrovn tto licence tetmi stranami.\<sect2>\n\<title>Paragraf 7\</title>\n\<para>Jsou-li vm z rozhodnut soudu, obvinm z poruen patentu nebo z jakhokoli jinho dvodu (nejen v souvislosti s patenty) uloeny takov podminky (a ji pkazem soudu, smlouvou nebo jinak), kter se vyluuj s podmnkami tto licence, nejste tm osvobozen od podmnek tto licence. Pokud nemete it program tak, abyste vyhovl zrove svm zvazkm vyplvajc z tto licence a jinm platnm zvazkem, nesmte jej v dsledku toho it vbec. Pokud by napklad patentov osvden nepovolovalo bezplatnou redistribuci programu vemi, kdo vam piinnm zskaj pmo nebo nepmo jeho kopie, pak by jedin mon zpsob jak vyhovt zrove patentovmu osvden i tto licenci spoval v ukonen distribuce programu.\</para>\n\<para>Pokud by se za njakch specifickch okolnost jevila nkter st tohoto paragrafu jako neplatn nebo nevynutiteln, povauje se za smrodatnu rovnovha vyjden tmto paragrafem a paragraf jako celek se povauje za smrodatn za jinch okolnost.\</para>\n\<para>Smyslem tohoto paragrafu nen navdt vs k porovn patent i jinch ustanoven vlastnickho prva, anebo tato ustanoven zpochybovat; jedinnm jeho smyslem je ochrana integrity systmu en svobodnho softwaru, kter je podloen veejmi licennmi pedpisy. Mnoz lid poskytli sv pspvky do irokho okruhu softwaru enho tmto systmem, spolehnuve se na jeho dsledn uplatovn; zle na autorovidrci, aby rozhodl, zda se je it software pomoc jakho jinho systmu a dn uivatel licence neme takov rozhodnut zpochybovat.\</para>\n\<para>Smyslem tohoto paragrafu je zevrubn osvtlit to, co je povovno za dsledek plynuc ze zbytku tto licence.\</para>\n\<sect2>\n\<title>Paragraf 8\</title>\n\<para>Pokud je en i pouit programu v nkterch zemch omezeno bu patenty anebo autorsky chrnnmi rozhrannmi, me dritel pvodnch autorskch prv, kter svuje program do psobnosti tto licence, pidat vslovn omezen pro geografick en, vyluujc takov zem, take en je povoleno jen v tch zemch nebo mezi tmi zemmi, kter nejsou tmto zpsobem vyloueny. Tato licence zahrnuje v tomto ppad takov omezen pesn tak, jako by bylo zapsno v textu tto licence.\</para>\n\<sect2>\n\<title>Paragraf 9\</title>\n\<para>Free Software Foundation me as od asu vydvat upraven nebo nov verze General Public License. Takov nov verze se budou svm duchem podobat souasn verzi, v jednotlivostech se vak mohou liit s ohledem na nov problmy i zjiny.\</para>\n\<para>Kad verzi je pidleno rozuiv sro verze. Pokud program specifikuje slo verze, kter se na nj vztahuje, a
vechny nsledujc verze, mete se podle uven dit ustanovenmi a podmnkami buto on konkrtn verze
anebo kterkoliv nsledujc verze, kterou vydala Free Software Foundation. Jestli program nespecifikuje slo verze tto
licence, mete si vybrat libovolnou verzi, kterou kdy Free Software Foundation vydala.</para>
</sect2>

Para

Pokud si pejete zahrnout sti programu do jinch svobodnych program, jejich distribun podmnky jsou odlin,
zalete autorovi dost o povolen. V ppad softwaru, k nmu vlastn autorsk prva Free Software Foundation, napíte Free
Software Foundation; nkdy inne vjimky ze zde uvedench ustanoven. Nae rozhodnut bude vedeno dvma cli:
zachovnm svobodn povahy vech odvozenin naeho svobodnho softwaru a podporou sdlen a optovnho vyuıt softwaru
obecn.</para>
</sect2>

sect2 id="sect11" label="11">
<title>ZRUKA SE NEPOSKYTUJE</title>
subtitle>Paragraf 11</subtitle>

VZHLEDEM K BEZPLATNEMU POSKYTNUTU LICENCE K PROGRAMU SE NA PROGRAM
NEVZTAHUJE DN ZRUKA, A TO V ME POVOLEN PLATNM ZKONEM. POKUD NEN PSEMNM
STANOVOV JINAK, POSKYTUJI DRITEL AUTORSKCH PRV POPPAD JIN STRANY PROGRAM
TAK, JAK JE, BEZ ZRUKY JAKHOKOLI DRUHU, A VSLOVN NEBO VYPLVAJC, VETN,
ALE NIKOLI JEN, ZRUK PRODEJNOSTI A VHODNOSTI PRO URIT EL. POKUD JDE O KVALITU A
VKONNOST PROGRAMU, LE VEKER RIZIKO NA VS. POKUD BY SE U PROGRAMU PROJEVILY
ZVADY, PADAJ NKLADY ZA VECHNU POTEBIN DRBU, OPRAVU I NPRAVU NA V VRUB.</para>
</sect2>

sect2 id="sect12" label="12">
<title>Paragraf 12</title>

V DNM PPAD, S VJIMKOU TOHO, KDY TO VYADUJE PLATNM ZKON, ANEBO KDY TO BYLO
PSEMNM ODSOUHLASENO, VM NEBUDE DN Z DRITEL AUTORSKCH PRV ANI DN JIN STRANA, KTER
SM MODIFIKOVAT I IT PROGRAM V SOULADU S PEDCHOZMI USTANOVENMI, ODPOVDNI ZA
KODY, VETN VECH OBECNCH, SPECILNCH, NAHODILCH NEBO NSLEDNCH KOD VYPLVAJCCH Z
UVN ANEBO NESCHOPNOSTI UVAT PROGRAMU (VETN, ALE NIKOLI JEN, ZTRTY NEBO ZKRESLEN
DAT, NEBO TRVALCH KOD ZPSOBECH VM NEBO TETM STRANM, NEBO SELHN FUNKCE
PROGRAMU V SOUINNOSTI S JINMI PROGRAMY), A TO I V PPAD, E TAKOV DRITEL AUTORSKCH
PRV NEBO JIN STRANA BYLI UPOZORNINI NA MONOST TAKOVCH KOD.</para>
</sect2>
</sect1>
</article>

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Version 2, June 1991

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- You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.

**Exception:**
If the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.
You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

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; or,

Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
Les llicències de la majoria de programari estan dissenyades per a prendre-us la llibertat de compartir-lo i modificar-lo. Contrastant, la Llicència Pública General de GNU està pensada per garantir-vos la llibertat de compartir i modificar el programari lliure, per tal d'assegurar que el programari sigui lliure per a tots els seus usuaris i usuaries.
Les llicencies de la majoria de programari estan dissenyades per a prendre-us la llibertat de compartir-lo i modificar-lo. Contrariament, la Llicencia pública general de GNU est pensada per a garantir-vos la llibertat de compartir i modificar el programari lliure, per tal d'assegurar que el programari sigui lliure per a tots els seus usuaris i usuries. Aquesta Llicencia pública general s aplicable a la majoria de programari de la Free Software Foundation (Fundaci per al programari lliure) i a qualsevol altre programa els autors del qual es comprometin a utilitzar-la (algun altre programari de la Free Software Foundation, en canvi, est protegit per la Llicencia pública general per a biblioteques de GNU). Tamb podeu aplicar-la als vostres programes. </para>

Quan parlem de programari lliure ens referim a la llibertat, no al preu. Les nostres llicncies pbliques generals estan pensades per assegurar que tinguueu la llibertat de distribuir cpies del programari lliure (i de cobrar per aquest servei, si voleu); que rebeu el codi font o que, si el voleu, el pugueu rebre; que pugueu modificar el programari o fer-ne servir parts en programes lliures nous; i que sapigueu que podeu fer totes aquestes coses. </para>

Per a protegir els vostres drets, cal que apliquem restriccions que prohibeixin a tothom de negar-vos aquests drets o demanar-vos que hi renuncieu. Aquestes restriccions suposen determinades responsabilitats per a vs si distribuu cpies del programari o si el modifiqueu. </para>

Per exemple, si distribuu cpies d'un programa, tant si el distribuu de franc com si en feu pagar un preu, heu de donar als destinataris els mateixos drets que teniu vs. Us heu d'assegurar que ells tamb tamb en rebin o puguin aconseguir-ne el codi font, i els heu de fer saber aquests termes per tal que coneguin els seus drets. </para>

Protegim els vostres drets amb dos passos: <orderedlist numeration="arabic">
  <listitem>
    <para>Ens reservem el copyright del programari, i </para>
  </listitem>
  <listitem>
    <para>us oferim aquesta llicencia que us dna perms legal per a copiar, distribuir i/o modificar el programari. </para>
  </listitem>
</orderedlist>

A m s a m s, per protegir-nos i protegir l'autor o autora, volem estar segurs que tothom entn que no hi ha cap garantia per a aquest programari lliure. Si alg modifica el programari i el passa, volem que els destinataris spiguen que el que tenen no s l'original, per tal que qualsevol problema que hagin pogut introduir terceres persones no repercuteixi en la reputaci de l'autor o autora original. </para>

Finalment, qualsevol programa lliure est constantment amenaat per les patents de programari. Volem evitar el perill que els redistribidors d'un programa lliure acabin obtenint llicencies de patents i que, com a conseqncia d'aix, el programa esdevingui propietat exclusiva d'alg. Per evitar-ho, hem deixat clar que, de qualsevol patent, se n'han d'emetre llicencies per a tothom o no emetre'n cap. </para>

Les condicions exactes per a la cpia, distribuci i modificaci sn les segents.</para>

</sect1>
TERMES I CONDICIONS PER A LA CPIA, DISTRIBUCI I MODIFICACI

Secció 0

Aquesta llicència s'aplica a qualsevol programa o altra obra que contenga un avvi del possessor del copyright que digui que es pot distribuir sota els termes d'aquesta llicència pública general. D'ara endavant, el programa es refereix a aquest programa o obra, i una obra basada en el programa es refereix al programa o a qualsevol obra derivada segons la llei de copyright: s a dir, una obra que contenga el programa o alguna part del programa, ja sigui literalment o amb modificacions o b tradut a altres llengües (d'ara endavant, les traduccions s'inclouen sense cap limitació en el terme modificaci). Ens referim a cada beneficiari de la llicència com a vs.

Les activitats que no siguin copia, distribució o modificació no es tenen en compte en aquesta llicència, queden fora del seu mítol. No es restringeix l'acte d'executar el programa, i la llicència noms protegeix la producció que s'obtingui amb el programa si el seu contingut consta d'una obra basada en el programa (independentment de si s'ha creat executant el programa). Que aquest sigui el cas o no depèn de qu qui faci el programa.

Secció 1

Podeu copiar i distribuir còpies literalcs del codi font del programa tal com el rebu, en qualsevol mitjà, sempre que publiueu en cada còpia, de manera adient i ben visible, una nota de copyright i una renúncia de garantia; manteneu intactes tots els avisos que fan referència a aquesta llicència i a l'absència de garanties de cap mena; i lliureu a qualsevol altre destinatar del programa una còpia d'aquesta llicència juntament amb el programa.

Secció 2

Podeu modificar la còpia o còpies del programa o qualsevol tros del programa i, així, fer una obra basada en el programa, i podeu copiar i distribuir aquestes modificacions o obres sota els termes de la anterior, sempre que també compli us condicions segents: 

- Heu de fer que els fitxers modificats portin indicacions ben visibles que diguin que heu modificat els fitxers, i hi heu d'escriure la data de la modificació.
- Heu d'atorgar gratuitement a totes les terceres parts els termes d'aquesta mateixa llicència sobre la totalitat de qualsevol obra que distribueu o publiueu, que completament o en part contingui o sigui un derivat del programa o qualsevol part del programa.
- Si el programa modificat normalment ofereix instruccions interactivament quan s'executa, heu de fer que quan s'arrenqui per a aquest s'interactiu de la manera ms habitual, imprimeixi o mostri un missatge que inclogui una
nota de copyright adient i un avís de que no hi ha garantia (o, si no, que digui que la garantia l'oferiu vs mateix) i que els usuaris poden redistribuir el programa sota aquestes condicions, i que indiqui a l'usuari o usuria com veure una còpia d'aquesta llicència. <note>
<title>Excepció</title>
<para>Si el programa s'interactua per normalment no porta cap indicació com la que s'ha descrit, tampoc cal que les obres que feu basades en el programa en portin cap. </para>
</note></para>

</listitem>
</orderedlist></para>

</sect2>

<sect2 id="sect3" label="3">
<title>Secció 3</title>

<para>Podeu copiar i distribuir el programa (o una obra basada en el programa, segons la <link linkend="sect2">secció 2</link>) en forma executable o de codi objecte d'acord amb els termes de les <link linkend="sect1">seccions 1</link> i <link linkend="sect2">2</link> anteriors, amb la condició que també feu una de les coses següents: <orderedlist numeration="loweralpha">
<liitem>
<para>L'acompanyeu amb el codi font complet corresponent, capa de ser llegit per un ordinador, que es distribueix d'acord amb els termes de les <link linkend="sect1">seccions 1</link> i <link linkend="sect2">2</link> anteriors en un mitjà utilitzat habitualment per a l'intercanvi de programari; o, </para>
</liitem>
<liitem>
<para>L'acompanyeu amb una proposició per escrit, amb validesa com a mínim fins al cap de tres anys, de subscriure a tota tercera part, i per un preu no superior al que us costi físicament realitzar la distribució, el codi font complet corresponent, que es distribueix d'acord amb els termes de les seccions 1 i 2 anteriors en un mitjà utilitzat habitualment per a l'intercanvi de programari; o, </para>
</liitem>
<liitem>
<para>L'acompanyeu amb la informació que hagué rebut de l'ofèriment de distribuir el codi font corresponent (aquesta alternativa noms s permesa per a la distribució no comercial i noms si heu rebut el programa en forma executable o de codi objecte amb aquest ofèriment, d'acord amb la subsecció b anterior). </para>
</liitem>
</orderedlist>

</sect2>
El codi font per a una obra vol dir la forma preferida de l'obra per a fer-hi modificacions. Per una obra executable, el codi font complet vol dir tot el codi font per a tots els mduls que cont, ms tots els fitxers de definici d'interficies associats si s'escau, ns els scripts que es facin servir per a controlar la compilaci i la installaci de l'executable si s'escau. Tanmateix, com a excepci especial, el codi font que es distribueixi no cal que inclogui res del que normalment es distribueixi (sia en forma binria o de codi font) amb els components principals (compilador, nucli o similars) del sistema operatiu en qu s'executa el programa, tret que el component en qest complementi l'executable.</para>

Si la distribuci de l'executable consisteix a donar aces per a copiar-lo d'un lloc determinat, aleshores serveix com a distribuci del codi font el fet de donar un aces equivalent per a copiar el codi font, encara que les terceres parts no estiguin obligades a copiar el codi font en copiar el codi objecte.</sect2>

No podeu copiar, modificar, reemetre llicncies, o distribuir el programa si no s de la forma expressa que atorga aquesta Llicncia. Qualsevol altre intent de copiar, modificar, reemetre llicncies, o distribuir el programa s il·licit i finalitzar automticament els drets que haguer obtingut d'aquesta llicncia. Tanmateix, les parts que hagin rebut de vs cpies o drets d'acord amb aquesta llicncia no veuran les seves llicncies finalitzades mentre segueixin observant-les estrictament.</sect2>

No esteu obligat a acceptar aquesta llicncia, ja que no l'heu signada. Tanmateix, no hi ha cap altra opci que us doni perms per modificar o distribuir el programa o les seves obres derivades. Aquestes accions queden prohibides per la llei si no accepteu aquesta llicncia. Aix doncs, en modificar o distribuir el programa o les seves obres derivades, indiqueu que accepteu aquesta llicncia per a fer-ho, i tots els seus termes i condicions per copiar, distribuir o modificar el programa o obres que hi estiguin basades.</sect2>

Cada cop que distribuu el programa (o qualsevol obra basada en el programa), el destinatari rep automticament, de qui va emetre la llicncia originriament, una llicncia per copiar, distribuir o modificar el programa sotmesa a aquests termes i condicions. No podeu imposar cap ms restricci a l'exercici dels drets que aqu es conferexien. No sou responsable de fer complir aquesta llicncia a terceres parts.</sect2>
Si, a conseqüència d'una decisió judicial, una demanda per infracció d'una patenta o per qualsevol altra raó (no exclusivament relacionada amb patents), se us imposen condicions (tant si s per ordre judicial, acord, o el que sigui) que contradiuen les condicions d'aquesta llicència, no quedi l'usuari obligat a les condicions d'aquesta llicència. Si no us s possible distribuir de manera que satisfia alhora les obligacions que us imposa aquesta llicència i qualsevol altra obligació pertinent, aleshores no podeu distribuir el programa en absolut. Per exemple, si una llicència de patenta no permet redissenyar gratuïtament el programa a aquells que hagin rebut còpies de vs directament o indirectament, aleshores la nica manera en qu non podeu satisfacer així com aquesta llicència seria abstenir-vos completament de distribuir el programa.

Si qualsevol fragment d'aquesta secció quedi invalidat o no es pogui fer complir en qualsevol circumstància particular, la intenció s que s'apliqui el balan de la secció, i que s'apliqui la secció en la seva totalitat en altres circumstàncies.

El propòsit d'aquesta secció no s'induirà a infringir cap patenta ni cap altre requeriment del dret a la propietat, o a discutir-ne la validesa; l'unic propòsit d'aquesta secció s protegir la integritat del sistema de distribució de programari lliure, que s'implementa amb pràctiques de llicència pública. Molta gent ha fet generoses contribucions a l'ampli ventall de programari distribuït per aquest sistema refiinant-se de l'aplicació consistent del sistema; li pertoca a l'autor, autora o donant decidir si vol distribuir programari per algun altre sistema, i un beneficiari de la llicència no pot imposar aquesta elecció.

Aquesta secció pretén deixar del tot clar el que es considera una conseqüència de la resta de la llicència.

Si hi ha pasos que restringeixen la distribució o l'ús del programari, ja sigui per patents o per interfícies sota copyright, el possessor del copyright original que posi el programa sota aquesta llicència pot afegir limitacions geogràfiques explícites que exclouguin aquests pasos, de manera que la distribució només quedi permesa dins dels pasos no exclosos, o entre ells. En tal cas, aquesta llicència incorpora la limitació com si estigués escrita en el text de la llicència.

La Free Software Foundation pot publicar versions revisades o noves de la llicència pública general de tant en tant. Aquestes versions noves seran semblants en esperit a la versió present, per poden diferir en detalls per tractar noves preocupacions o problemes.

Cada versió rep un número de versió distintiu. Si el programa especifica un número de versió d'aquesta llicència que li s aplicable i que també s aplicable a <quote>qualsevol versió posterior</quote>, teniu l'opció de seguir els termes i condicions de la versió especificada o b el de qualsevol versió publicada posteriorment per la Free Software Foundation. Si el programa no especifica un número de versió d'aquesta llicència, podeu triar qualsevol versió que hagi publicat la Free Software Foundation en qualsevol data.
Si voleu incorporar parts del programa en altres programes lliures les condicions de distribució dels quals són diferents, escriviu a l’autor per demanar-li perms. Per al programari que est sota copyright de la Free Software Foundation, escriviu a la Free Software Foundation; de vegades fem excepcions per a permetre-ho. Prendrem la nostra decisió guïats pels objectius de mantenir la condició de lliure de tots els derivats del nostre programari lliure i de promoure la compartició i la reutilització del programari en general.

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http://developer.gnome.org/projects/gdp
A jelen licencdokumentumot brki szabadon lemsolhatja s a pontos msolatait terjesztheti, de a mdostsa tilos.</para>
</legalnotice>

<releaseinfo>1991. jnus, 2. vltozat</releaseinfo>

<abstract role="description"><para>A legtbb szoftver licencei azzal a szndkkal kszltek, hogy minl kevesebb lehetsget adjanak a szoftver megvltoztatsra s terjesztsre. Ezzel szemben a GNU GPL clja, hogy garantlja a szabad szoftver msolsnak s terjesztsnek szabadsgt, ezltal biztostva a szoftver szabad felhasznlnhatsgt minden felhasznl szmra.</para></abstract>

<othercredit class="translator">
<personname>
<firstname>Kalman Kemenczy</firstname></personname>
</othercredit>

<copyright>
<year>2007</year>
</copyright>

</article>
<sect1 id="preamble" label="none">
<title>Elsz</title>

<para>A legtbb szoftver licencei azzal a szándékkel születtek, hogy minél kevesebb lehetőséget adjanak a szoftver megváltoztatásra és terjesztésre. Ezzel szemben a GNU GPL eljá, hogy garantálja a szabad szoftver műsorsnak és terjesztésnek szabadagsát, ezáltal biztosítva a szoftver szabad felhasználhatóság minden felhasználó számára. A GPL szabályai vonatkoznak a Free Software Foundation legtbb szoftverére, illetve minden olyan programra, melynek szerzje gy dnt, hogy ezt használja a szerzi jog megjelölésekor. (A Free Software Foundation egyes szoftverére a GNU LGPL vonatkozik.) Brki használhatja a programjaiban a GPL-t a szerzi jogi megjegyzésnél.</para>

<para>A szabad szoftver megjells nem jelenti azt, hogy a szoftvernek nem lehet ra. A GPL licencek eljá, hogy garantálja a szabad szoftver műsorsnak szabad terjesztését (s e szolgáltatást akar díj felszámítását), a forrásfod elérhetőségét, hogy brki szabadon módosíthassa a szoftvert, vagy felhasználhassa a rszeit j szabadan programokban; s hogy msok megismerné a szabad szoftver</para>

<para>A szerző jogainak v délben korlótozókat kell hozni, amelyek megtiltják, hogy brki megtagadhassa ezeket a jogokat, vagy ezekről lemondásra kinyomtasson brki mst. Ezek a megszorosok bizonyos felelősségeket jelentenek azok számára, akik a szoftver műsorait terjesztik vagy módosítják.</para>

<para>Ha valaki pl. ilyen program műsorait terjeszt, akr ingyen vagy bizonyos szegélyben, a szoftverre vonatkozó minden jogot tovább kell adnia a fogad feleknek. Biztostani kell tovább, hogy megkapják vagy legalábbis megkapják a forrásfodot is. s persze ezeket a licencfelületeket is el kell juttatni, hogy tiszteletben legyenek a jogait.</para>

<para>A jogok v délme kelm: </para>

<listitem>
<para>a szoftver szerző jogainak vdelmb s</para>
</listitem>

<listitem>
<para>a jelen licenc biztostsbl, amely jogalapot biztost a szoftver műsora, terjesztésre s vagy módosításra.</para>
</listitem>

</orderedlist></para>

<para>Az egyes szerzők s a magunk vdelmben biztostani akarjuk, hogy mindenki megértesse: a jelen szabad szoftverre nincs jtitls. Ha a szoftvert módosított s továbbadik, akkor mindenki, aki a módosított ftozatot kapja, tudnia kell, hogy az nem az eredeti, gy a msok Ittal okozott hibknak nem lehet hatsa az eredeti szerz hrnevén.</para>

<para>Vgl, a szabad szoftver ltt llandan fenyegetik a szoftverszabadalmak. El szeretnék kerlni annak veszlyt, hogy a szabad program terjesztési szabadalmat jegyezhessenek be r, ezáltal saját szellemi tulajdonot kpezve tegyk a programot. Ennek megelzhez tisztãi kvenyv: szabadalom szabad szoftverrel kapcsolatban csak mindenki itali szabad hasznlatra jegyezhet be, vagy egyáltal nem jegyezhet be.</para>

<para>A műsora, terjesztésre, módosításra vonatkozó ponts szabályok s feltételek:</para>

</sect1>
<sect1 id="terms" label="none">
<title>A MSOLSRA, TERJESZTSRE S MDOSTSRA VONATKOZ FELTTELEK S KIKTSEK</title>

<sect2 id="sect0" label="0">
<title>0. szakasz</title>
<para>Ez a licenc minden olyan programra vagy munka vonatkozik, amelynek a szerzi jogi megjegyzsben a jog tulajdonosa a kветkez szveget helyezte el: a GPL-ben foglaltak alapin terjeszthet. Az albbiakban a <quote>Program</quote> kifejez brmely ilyen programra vagy munka vonatkozik, a Programon alapul munka pedig magt a programot vagy egy szerzi joggal vdett munkt jelenti: vagyis olyan munkt, amely tartalmazza a programot vagy annak egy rszlett, mdostottan vagy mdostatlanul s/vagy ms nyelvre fordva. (Az albbiakban a fordts minden egyb megkts nlkl beletartozik a <quote>mdosts</quote> fogalmba.) Minden engedlyezs cmzettje <quote>n</quote>.</para>

<para>A jelen licenc a msolson, terjesztsen s mdostson kvl ms tevkenysgre nem vonatkozik, azok a hatlyn kvl esnek. A Program futtatsa nincs korltozva, illetve a Program kimenetre is csak abban az esetben vonatkozik ez a szablyozs, ha az tartalmazza a Programon alapul munka egy rzlett (fgegetlenl attl, hogy ez a Program futtatsval jtt-e ltre). Ez teht a Program mdostl fgg.</para>
</sect2>

<sect2 id="sect1" label="1">
<title>1. szakasz</title>
<para>A Program forrsokja mdosts nlkl msolhat s brmely adathordozn terjeszthet, feltve, hogy minden egyes pldnyn pontosan szerepel a megfelel szerzi jogi megjegyzs, illetve a garanciavllals elutasasta; rintetlenl kell hagyni minden erre a szablyozsra s a garancia teljes hinya utal szveget s a jelen licencdokumentumot is el kell juttatni mindazokhoz, akik a Programot kapj.</para>

<para>Felszmthat dj a msolat fizikai tovbbtsa fejben, illetve ellenszolgltats fejben a Programhoz garancilis tmogats is biztosthat.</para>
</sect2>

<sect2 id="sect2" label="2">
<title>2. szakasz</title>
<para>A Program vagy annak egy rsze mdosthat, gy a Programon alapul munka jn ltre. A mdosts ezutn az <link linkend="sect1">1. szakaszban</link> adott felttelek szerint tovbb terjeszthet, ha az albbi felttelek is teljesnek:
<orderedlist numeration="loweralpha">
<li><para>A mdostott fjlokat el kell ltni olyan megjegyzssel, amely feltnteti a mdostst vgz nevt s a mdostsok dtumt.</para></li>
<li><para>A mdostott fjlokat el kell ltni olyan megjegyzssel, amely feltnteti a mdostst vgz nevt s a mdostsok dtumt.</para></li>
<li><para>Minden olyan munkt, amely rszben vagy egyszben tartalmazza a Programot vagy a Programon alapul, olyan szablyokkal kell kiadni vagy terjeszteni, hogy annak hasznlati joga harmadik szemly rszre licencdjmentesen hozzfhet legyen, a jelen dokumentumban tallhat feltteleknek megfelelen.</para></li>
<li><para>Ha a mdostott Program interaktvan olvassa a parancskat futs kbzen, akkor gy kell elkszteni, hogy a megszokott mdon trtn indtskor megjelentsen egy zenetet a megfelel szerzi jogi megjegyzssel s a garancia hinya utal</para></li>
</orderedlist>
</sect2>
kzlssel (vagy penn azzal az informcióval, hogy miknt juthat valaki garancihoz), illetve azzal az informcióval, hogy brki terjeszthet a Programot a jelen feltteleknek megfelelen, s arra is utalst kell tenni, hogy a felhasznál miknt tekintheti meg a licenc egy pldnvt. <note>
</note>
<title>Kivétel</title>
<para>ha a Program interaktív ugyan, de nem jelent meg hasonl zenetet, akkor a Programon alapul munknak sem kell ezt tennie. </para>
</orderedlist>

<para>Ezek a felttelek a mdostott munkra, mint egszre vonatkoznak. Ha a munka azonosthat rszei nem a Programon alapulnak s fgtlenen munkkknt elkhlnen azonosthatk, akkor ez a szabloysz nem vonatkozik ezekre a rszekre, ha azok kln munkaknt kernek terjeszsre. Viszont, ha ugyanez a rsz az egzs rszeknt kerl terjeszsre, amely a Programon alapul munka, akkor az egzs terjeszts csak a jelen dokumentum alapjn lehetsges, amely ebben az esetben a jogokat minden egyes felhasznl szmra kiterjeszti az egzs tekintet nkln arra, hogy melyik rszt ki rta.</para>

<para>E szvegrsznek teht nem az a clja, hogy msok jogait elvegye vagy korltozza a kizrlag sajt maga ltal rt munkkkra; a cl az, hogy a jogok gyakorlása szabloysz legyen a Programon alapul illetve a gyjtemnyes munkk terjeszts esetben.</para>

<sect2>
<title>3. szakasz</title>
<para>A Program (vagy a Programon alapul munka a <link linkend="sect2">2. szakasz</link> megfelelen) msolhat s terjeszthet trgykd vagy vgrehajthat kd formjban az <link linkend="sect1">1. szakasz</link> s a <link linkend="sect2">2. szakasz</link> foglaltak szerint, amennyiben az albbi felttelek is teljesnlnek: <orderedlist numeration="loweralpha">

<li><para>a teljes, gp ltal rtelmzhet forrskd ksri az anyagot, amelynek terjeszts az <link linkend="sect1">1. szakasz</link> s a <link linkend="sect2">2. szakasz</link> foglaltak szerint trtnik, jellemzen szoftverterjesztsre hasznlt adathordozn; vagy,</para></li>

<li><para>legalbb hrom vre szlan rsban vllalja, hogy brmely kls szemlynek rendelkezsre ll a teljes gp ltal rtelmzhet forrskd, a fizikai tovbbtst fedez szsgnl nem nagyobb djrt az 1. s 2. szakaszban foglaltak szerint szoftverterjesztsre hasznlt adathordozn; vagy,</para></li>

<li><para>a megfelel forrskd terjeszsre vonatkozan megkapott tjkoztats ksri az anyagot. (Ez az alternatva csak nem kereskedelmi terjeszs esetn alkalmazhat abban az esetben, ha a terjesz a Programhoz a trgykd vagy forrskd formjban jutott hozz az ajnlattal egytt a fenti b. cikkelynek megfelelen.)</para></li>

</orderedlist>
</sect2>
Egy munka forrskdja a munknak azt a formjt jelenti, amelyben a mdostsokat elslegesen vgezni szoks. Egy vgrehajthat program esetben a teljes forrskd a tartalmazott sszes modul forrskdjt jelenti, tovbb a kapcsold felletdefincs filokat s a fordst vezrl parancsfjlokat. Egy specilis kivetlkn a forrskdnak nem kell tartalmaznia norml esetben a vgrehajthat kd futtatsra szolgl opercis rendszer fbz rszeikt (kernel, fordtprogram stb.) terjesztett rszeit (forrs vagy binris formban), kivve, ha a komponens maga a vgrehajthat llomnyt ksri.</para>

Ha a vgrehajthat program vagy trgykd terjesztse a forrskd hozzfrst egy megadott helyen biztost rsban vllalja, akkor ez egyenrtk a forrskd terjesztsvel, br msoknak nem kell a forrst lemsolniuk a trgykkddal egytt.</para>

A Programot csak a jelen Licencben lertaknak megfelelen szabad lemsolni, terjeszteni, mdostani s allicencbe adni. Az egyb mdon trtn msols, mdosts, terjeszts s allicencbe ads rvnytelen, s azonnal rvnyteleni a dokumentumban megadott jogosultsgokat. Mindazonltal azok, akik a Licencet megszegl kaptak plnyokat vagy jogokat, tovbb gyakorolhatjtk a Licenc Ital meghatrozott jogaikat mindaddig, amg teljesen megfelelnk a Licenc feltteleinek.</para>

Minden alkalommal, amikor a Program (vagy az azon alapul munka) tovbbadsa trtnik, a Programot megkap szemly automatikusan hozzjut az eredeti licenculajdonostl szmaz licenchez, amely a jelen szablyok szerint biztostja a jogot a Program msolsra, terjesztsre s mdostsra. Nem lehet semmilyen mdon tovbb korltozni a fogad flnek az itt megadott jogait. A Program tovbbadja nem felels harmadik szemlyekkel betartatni a jelen szablyokat.</para>
pldul egy szabadalmi szerzds nem engedi meg egy program jogdj nikli tovbbterjesztst azok szmra, akik kivetve vagy kivetlenl megkaphj, akkor az egyetlen mdja, hogy eleget tegyen valaki mindkt feltelnek az, hogy ell a program terjesztstl.</para>

<para>Ha ennek a szakasznak brmely rsze rvnytelen, vagy nem rvnyesthet valamely krlmny folytn, akkor a szakasz maradk rszt kell alkalmaazni, egyb esetekben pedig a szakasz egsze alkalmazand.</para>

<para>Ennek a szakasznak nem az a clja, hogy a szabadalmak vagy egyb hasonl jogok megsrtsre sztnzzn brkit is; mindssze meg szeretn vdeni a szabad szoftver terjesztst rendszernek egysgt, amelyet a szabad krecht szabloyoz feltelrendszerek teremtenek meg. Sok ember nagymrtkben jult hozz az e rendszer keretben terjesztett, klnfe szoftverekhez, s szm a rendszer kvetkeztese alkalmaazsra; azt a szerez/adomnyoz dnti el, hogy a szoftvert ms rendszer szerint is kzz kvnja-e tenni, s a licencet kapk ezt nem befolyosolhatj.</para>

<para>E szakasz clja, hogy pontosan tisztzza azt, ami elgondolsunk szerint a jelen licenc tbbi rsznek a kvetkezmnnye.</para>

<sect2 id="sect8" label="8">
<title>8. szakasz</title>
<para>Ha a Program terjesztse s/vagy hasznlata egyes orszgokban nem lehetsges akr szabadalmak, akr szerzi jogokkal vdett felletek miatt, akkor a Program szerzi jogainak eredeti tulajdonosa, aki a Programot ezen szablyozs alapjn adja kzre, egy explicit fordjzi megktst adhat a terjesztst, s egyes orszgokat kizhat. Ebben az esetben gy tekintend, hogy a jelen licenc ezt a megktst is tartalmazza, ugyangy mintha csak a f szvegben lenne lerva.</para>

<sect2 id="sect9" label="9">
<title>9. szakasz</title>
<para>A Free Software Foundation idrl idre kiadja a General Public License dokumentum fellvizsglt s/vagy jabb vltozaitat. Ezek az jabb dokumentumok az elzek szellemben kszlnk, de rszletekben klnbzhetnek, hogy j problmkat vagy agglyokat is kezeljenek.</para>

<para>A dokumentum minden vltozata egy megklnbztet verziszmmal elltva jelenik meg. Ha a Program szerzi jogi megjegyzsben egy bizonyos vagy annl <quote>jabb verzi</quote> van megjellve, akkor lehetsg van akr a megjellt, vagy a Free Software Foundation ital kiadott kbbi verzibn lert felletek kvetsre. Ha nincs ilyen megjellt verzi, akkor lehetsg van a Free Software Foundation ital valaha kibocstott brmelyik dokumentum alkalmazsra.</para>

<sect2 id="sect10" label="10">
<title>10. szakasz</title>
<para>A Programot ms szabad szoftverbe, amelynek szerzi jogi szablyozsa klnhzik, csak akkor pthet be, ha a szerzt erre engedely szerzett. Abban az esetben, ha a program szerzi jogainak tulajdonosa a Free Software Foundation, akkor a Free Software Foundation cmre kell rni; nha kivlt tesznk. A dnts a kvetkez kt el szem elt tartsval fog trtni: megmaradjon a szabad szoftveren alapul munkk szabad llapota, valamint segte el a szoftver jrafelhasznlst s megosztszt.</para>
MIVEL A JELEN PROGRAM HASZNÁLATI JOGA DÍMENTES, AZ ALKALMAZHAT JOGSZABLYOK LTAL BIZTOSTOTT MAXIMLIS MRTKBEN VISSZAUTASTJUK A PROGRAMHOZ A GARANCIA BIZTOSTST. AMENNYiben A SZERZI JOGOK TULAJDONOSAI RSBAN MSKNT NEM NYILATKOZNak, A PROGRAM A "JELEN Llapotban" KERL KIADSRA, MINDENFLE GARANCIAVllALS NLKL, LEGYEN AZ KIFEJEZETT VAGY BELERTETT, BELERTVE, DE NEM KIZRLAGOSAN A FORGALOMBA HOZHATSGRA VAGY ALKALMAZHATSGRA VONATKOZ GARANCIKAT. A PROGRAM MINSGBL S MKDSBL FAKAD SSZES KOCKZAT A FELHASZNLT TERHELI. HA A PROGRAM HIBSAN MKDIK, A FELHASZNLNak MAGNAK KELL VLLALNIA A JAVTSHOZ SZKSGES MINDEN KLTSGET.</para>

AMENNYIBEN A HATLYOS JOGSZABLYOK VAGY A SZERZI JOGOK TULAJDONOSAI RSOS MEGLLAPODSBAN MSKNT NEM RENDELKEZNEK, SEM A PROGRAM SZERZIE, SEM MSOK, AKIK MDOSTOTTK S/VAGY TERJESZETT K A PROGRAMOT A FENTIEKNEK MEGFELELENE, NEM TEHETK FELELS S KROKR, BELERTVE MINDEN VLETLEN, VAGY KVETKEZMNYES KRT, AMELY A PROGRAM HASZNLATBL VAGY A HASZNLAT MEGAKADLYOZSBL SZRMAZIK (BELERTVE, DE NEM KIZRLAGOSAN AZ ADATVESZTST S A HELYTELEN ADATFELDOLOZST, VALAMINT A MS PROGRAMOKKAL VAL HIBS EGGTYMKDST), MG AKKOR SEM, HA EZEN FELEK TUDATBAN VOLTAK, HOGY ILYEN KROK KELETKEZHETNEK.
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</para>

<para>
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</para>

<para>
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</para>

<orderedlist numeration="arabic">
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<para>
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If the modified program normally reads commands interactively when run, you
must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.

<note>
<title>Exception:</title>
<para>
If the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.
</para>
</note>

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In addition, mere aggregation of another work not based on the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
You may copy and distribute the Program (or a work based on it, under <link linkend="sect2">Section 2</link>) in object code or executable form under the terms of <link linkend="sect1">Sections 1</link> and <link linkend="sect2">2</link> above provided that you also do one of the following:

<orderedlist numeration="loweralpha">
  <listitem>
    <para>
      Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of <link linkend="sect1">Sections 1</link> and <link linkend="sect2">2</link> above on a medium customarily used for software interchange; or,
    </para>
  </listitem>
  <listitem>
    <para>
      Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
    </para>
  </listitem>
  <listitem>
    <para>
      Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
    </para>
  </listitem>
</orderedlist>

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or 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
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</para>
</sect2>

<sect2 id="sect4" label="4">
<title>4</title>

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<title>5</title>

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<sect2 id="sect6" label="6">
<title>6</title>

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<sect2 id="sect7" label="7">
<title>7</title>

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<title> 10</title>

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</sect2>

<sect2 id="sect11" label="11">
<title> 11</title>

<subtitle> 11</subtitle>

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</sect2>

<sect2 id="sect12" label="12">
<title> 12</title>

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Mi ngử uc quyen sao chép v phn phi nguyn vn ti liu giy php ny, nhng khng c php thay i n.

Giy php s dùng ca hu ht cc phn mm c thit k bn khng c t do chia s v thay i phn mm. Tri li, cc Giy php Cng cng GNU d nh m bo cho bn c t do chia s v thay i phn mm mt cch t do, v m bo phn mm t do cho mi ngử s dùng.

Giy php ny, Giy php Cng cng Ph, p dùng cho mt s gi phn mm ch r c bit thng th vin ca T che Phn mm T do v cc te gi khc chn s cc ng. Bn cng c th s cc ng, nhng trc tin ngh bn ngh cn thn nu giy php ny hay Giy php Cng cng chun l chn lc tt hn trong trng hp ring no, da vo cc li gi thch bn di.

Khi chng ti ni v nh cc thit k m bo bn c quyng t do phnh hn bn sao ca phn mm t do (v thu tin dch v ny nu mun), nhn m ngun hoc c kh nng ly n nu bn mun, bn c th thay i phn mm hay s đng bt k on no ca n trong chng trnh t do mi; v gip bn bit r l bn c th lm nhng iu ny.

Chng hn, nu bn phnh hn bn sao ca th vin nh vy, d l ch kho ng hay thun, bn phi trao cho ngi nhn tt c nhng quyng bn c. Bn phi chc chn l h cng nhn c hay c th ly m ngun. Nu bn lin kt m ngun khc vi th vin, bn phi cung cp cc tp tin i tng hon thnh cho ngi nhn, c th lin kt li tp tin nh vy vi th vin ri bin dch li. V bn cng phi cho h bit nhng iu kin ny, h bit nhng quyng ca h.
<para>Chng ti bo v quyn ca bn bng mt phng phpt hai bc: (1) chng ti bn quyn tc gi ca th vin, v (2) chng ti trao cho bn giy phpt ny bn c quyn hp phpt sao chp, phpt hnh v/hay sa i th vin.</para>

<para>Hn na, bo v mi nghi pt hh, chng ti mun chc chn l mi nghi hiu rng th vin t do ny khng c bo hhnh. Nu th vin b sa i bi nghi kc v c phn phpt tip, chng ti mun nghi nhn bit rng c m h c khng phpt lb gc, v vy, bt k li no do nghi khc gy ra s khng lm mang ting n lc gi ge.</para>

<para>Cui cng, chng trnh t do no cng lun b e da bi bng sng ch phn mm. Chng ti mun chc chn l cng ty khng th giihan c cc nghi dng chng trnh t do, bng c chnh gin c giy phpt lh ch t nghi gi sng ch. V vy chng ti c nhc nh giy phpt snq ch no c ginh cho mt phin bn ca th vin ny phi phh vi ton b quyn t do c ghi r trong giy phpt ny.</para>

<para>Phn ln phn mm GNU, gm c mt s th vin, c bao qu’t bi Giy phpt Cng cng GNU chun. Giy phpt ny, Giy phpt Cng cng Ph GNU, p dng cho mt s th vin xc nh: n rt khec vi Giy phpt Cng cng GNU chun. Chng ti s dng giy phpt ny cho mt s th vin ring. cho phpt kh nng lin kt th vin nh vy vo chng trnh khc t do.</para>

<para>Khi chng trnh c lin kt vi th vin, bt cph mt cch tnh hay bng th vin dng chung, s kt hp hnh iu nh nh nh phpt ln mt sn phm kt hp, sn phm ln xut th vin gc. Giy phpt Cng cng GNU chun th cho phpt kh nng lin kt nh vy ch nh ton b s kt hp tho tiu chun quyn t do ca n. Giy phpt Cng cng Ph GNU cho phpt tiu chun lng lo hn lln kt m ngung khc gi th vin.</para>

<para>Chng ti gi giy phpt ny Giy phpt Cng cng <quote>Ph</quote> v n lm t bo v quyn t do ca nghi dng ln Giy phpt Cng cng chun. N cng cng cp cho cc nh pt trn phn mm mt t do th li nh chng trnh khc t do cng trnh. Nhng nhc im ny l l do cng ti s dng Giy phpt Cng cng chun cho rt nhieu th vin. Tuy nhnh, giy phpt Ph cng cp li ch trong mt s trng hp c bit.</para>

<para>Chng hnh, rt ln c nh cu c bit h tr cch s dng rng ri nth c th mt th vin no, n tr thnh mt tiu chun nh th. t mc ch nh, cc chng trnh khc t do cng phi c quyn s dng th vin. Mt trng hp xy ra nhu ln ln l th vin t do ln cng mt cng vic vi th vin khc t do c s dng rng ri. Trong trng hp ny, khng c li ch nhu khi gii hnh th vin t do trong ch phn mm mt t do, v th chng ti s dng Giy phpt Cng cng Ph.</para>

<para>Trong trng hp khc, quyn s dng mt th vin no trong chng trnh khc t do cng cho rt nhieu ng c kh nh ng s dng mt tp phn mm mt t do rt ln. Chng hnh, quyn s dng Th vin C ca GNU trong cc chng trnh khc t do th cho rt nhieu ng thm c kh nh ng s dng ton b h nh hnh GNU, cng nh bin th ca n, h nh hnh GNU/Linux.</para>

<para>Mc d Giy phpt Cng cng Ph ln thn bo v quyn t do ca nghi dng, n c phi m bo rng nghi dng chng trnh c lin kt vi Th vin c quyn t do v kh nhng c nh th chng trnh, bng mt phin bn sa i ca Th vin.</para>

<para>Theo y c nhng iu kin chnh xe sao chp, phpt hnh v sa i. Hy tp trung cn thn s khc bit gia <quote>mt sn phm da vo th vin</quote> v <quote>mt sn phm s dng th vin</quote>. iu trc cha m bt ngun t th vin, cn iu sau phi c kt hp vi th vin cht c.</para>

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dch hay lin kt vi n, c gi l <quote>sn phm s dng Th vin</quote>. Sn phm nh vy, c lp khng phi l sn phm bt ngun t Th vin th nm ngoi phm vi ca Giy php ny. 

<br>

<Tuy nhin, vic lin kt mt <quote>sn phm s dng Th vin</quote> vi Th vin th to mt tp tin chy c bt ngun t Th vin (v n cha on ca Th vin), hn l mt <quote>sn phm s dng Th vin</quote>. Tp tin chy c th c bao qut bi Giy php ny. <link linkend="sect6">Phn 6</link> pt biu cc iu kin pht hnh tp tin chy c nh vy.</br>

<br>

<Khi mt <quote>sn phm s dng Th vin</quote> cnng sn phm on no ca tp tin phn u thuc v Th vin, m i tng cho sn phm ny c th l mt sn phm bt ngun t Th vin, mc d m ngun khng phi. iu ng hay khng l quan trng c bit nu sn phm ny c th c lin kt khng c Th vin, hoc nu sn phm ny chnh n l th Th vin. Php lut cha xc nh chnh xc ngng ng ca trng hp ny.</br>

<br>

<Tp tin i tng nh vy s dng ch cc tham s kiu s, b tr cu trc d liu, v v lnh nh v hm trc tip nh (mi iu c d ti a 10 dng) th c ch s dng tp tin i tng l v hn, bt chp n hp l l sn phm bt ngun. (Tp tin chy c cha m i tng ny cnng vi on ca Th vin vn cn nm di <link linkend="sect6">Phn 6</link>.)</br>

<br>

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<br>

<sect2 id="sect6" label="6">
<title>Phn 6</title>

<br>

<Khoi l nhng Phn tn l bn cnng c th kt hp hay lin kt mt <quote>sn phm s dng Th vin</quote> vi Th vin to mt sn phm cha on ca Th vin, ri pht lnh sn phm di cc iu khon bn chn, min l iu khon ny cho php sa i sn phm cho ngi khch s dng ring, v cho php thit k i chi g li trong s sa i nh vy.</br>

<br>

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<liitem>

<para id="sect6a">
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 <link linkend="sect1">1</link> and <link linkend="sect2">2</link> above); and, if the work is an executable linked with the Library, with the complete machine-readable <quote>work that uses the Library</quote>, 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.)
</para>
</listitem>
</listitem>

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.
</para>
</listitem>
</listitem>

Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in <link linkend="sect6a">Subsection 6a</link>, above, for a charge no more than the cost of performing this distribution.
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</listitem>

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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</listitem>
</listitem>

<i vi tp tin chy c, dng thc cn thit ca <quote>sn phm s dng Th vin</quote> phi cha chng trnh no kiu d liu hay tin ch cn thit to li tp tin chy c t n. Tuy nhin, ngoi l c bit l cc nguyu liu c ph th nnh khng cn phi bao gm nhng g c ph th nnh bnh thng (trong dng thc hoc ngun hoc nh phn) vi cc thnh phn chnh (b bin dch, ht nhn v.v.) ca h iu nhn ni tp tin chy c hot ng, tr khi thnh phn km theo cn thit chy tp tin.</i>

C th xy ra rng iu kin ny mu thun s hn ch giy php ca th vin s hu khc khng bnh thng km theo h iu nhn. S mu thun nh vy c ngha l bn khng th s dng c th vin nh vy v Th vin u trong tp tin chy c bn ph th nnh.
Phn 7

Bn c th chc nng th vin l sn phm da vo Th vin cnh nhau trong mt th vin ring l, cng vi cc chc nng th vin khng c bao qut bi Giy php ny, v pht hnh th vin kt hp nh vy, min l cho php pht hnh ring "sn phm s dng Th vin" v chc nng th vin khc, v min l bn lm hai vic ny:

- Km theo th vin kt hp mt bn sao ca cng "sn phm s dng Th vin", ring vi chc nng th vin khc no. N phi c pht hnh vi cc iu khon ca nhng Phn trn.
- Cng b r rng trn th vin kt hp thng bo rng phn ca n l "sn phm s dng Th vin", cng ch ti ni cha dng the ring ca cng sn phm km theo.

Phn 8

Khng cho php bn sao chp, sa i, lin kt vi hay pht hnh Th vin, tr vi iu kin c din t dt khot trong Giy php ny. Bt k s c gng no trong vic sao chp, sa i, cp giy php ph, lin kt vi hay pht hnh Th vin bng cch khi b bi b, v s t ng kt thc cc quyn ca bn di Giy php ny. Tuy nhn, nghi khc nhn bn sao hay quyn t bn di Giy php ny s khng b nh hng, min l th tip tc tun theo hon ton.

Phn 9

Bn khng bt buc phi chp nhn Giy php ny, v bn cha k tn vo n. Tuy nhn, khng c g khi cho php bn sa i hay pht hnh Th vin hay sn phm bt ngun t n.Cc hnh ng ny b php lut cm nu bn khng chp nhn Giy php ny. V vy, bng cch sa i hay pht hnh Th vin (hay sn phm da vo n), bn ng s chp nhn Giy php ny lm nh th, gm mi iu kin sao chp, pht hnh hay sa i Th vin hay sn phm da vo n.

Phn 10

Ml ln bn pht hnh l Th vin (hay sn phm da vo Th vin), nghi nhn c th nhn t ng mt giy php t ngi cp gc, sao chp, pht hnh, lin kt vi hay sa i Th vin vi iu kin ny. Khng cho php bn ln ch thm cch nghi ngi ng s dng cc quyn c cp trong Giy php ny. Bn cng khng phi chu trch nhm v vic p buc nghi khc tun theo iu kin ca Giy php ny.
Nu, do kt qu ca quýt nh ca to n hay cc co bue vi phm bng sng ch hay v bt c l do no (khng b gii hn trong vn bng sng ch), bn b p buc chp nhn iu kin (hoc v quýt nh ca to n, s tho than hoc cch khc no) m nu thun iu kin ca Giy php ny, trng hp ny khng min cho bn khng phi tha mn iu kin ca Giy php ny. Nu bn khng th phнт nhng bng cch th thc mn ng thi cc gia o c ca bn dl Giy php ny v bt k gia o c thc hp khc, th kt qu l khng cho phп bn phнт nhng Th vin bng cch no c. Ly th d, nu mt bng sng ch no khng cho phп s ph thnh li Th vin mt cch min tin bn quyn phнт минh cho mi ngн nhн bn sao t bn mt cch трc tip hay gin tip, th thc duy nhт bn c th th c bng v Giy php ny l hon ton khng phнт nhng Th vin.

Nu on no trong phп ny c quýt nh l khng hp l hay khng th c пuc trong bt k trng hp ring no, on cn li d nh p dнg c, v ton b phп d nh p dнg trong cc trng hp khc.

Nu s phт hnh v/hay cch s dнg Th vin b hn ch trong mt s quс gia no , hoc bi bng sng ch hoc bi gia o din c bn quyn te gi, ngн gi te quyn ge t Th vin dl Giy php ny c kh nng thм s hn ch phт hnh a l ring loi tr nhng quс gia , cho phп phнт hnh ch trong hay gia cc quс gia khng b loi tr nh th. Trong trng hp nh vй, Giy php ny hp nht s hn ch nh l н c ghi trong thн ca Giy php ny.

T chc Phп mm T do c th xut bn phин bn sa i v/hay mi ca Giy php Cng cнg Ph GNU. Phин bn mi nh vй s c tinh thн trng t vй phин bn hin thи, nhнg c th khc bit trong chi тit giу quýt vм mi.

Mi phин bn c gn mt s hпu phин bn. Nu Th vin xc nh s phин bn ring ca Giy php ny p dнg cho н, v bt k phп bn sau no. Nu Th vin khng xc nh s phин bn ring ca Giy php ny, bn c kh nng chn bt k phп bn no ca Giy php ny c xut bn bi T chc Phп mm T do. Nu Th vin khng xc nh s phин bn ring ca Giy php ny, bn c kh nng chn bt k phп bn no ca Giy php ny c xut bn bi T chc Phп mm T do.
xin php tc gi. i vi phn mm c bn quyn tc gi ca T che Phn mm T do, hy vit th cho T che Phn mm T do : thng thong chng ti cho php ngi l trong trng hp ny. Quyt nh ca chng ti s c hng dn bi hai mc ch l s bo tn trng thi t do ca mi iu bt ngun t phn mm t do ca chng ti, v s y mmh s chia s v s dng li phn mm mt cch chung.</para>

</sect2>

<sect2 id="sect15" label="15">
<title>KHNG BO HNH</title>
<subtitle>Phn 15</subtitle>

<para>V TH VIN C CP PHP MIN PH, KHNG C BO HNH I VI TH VIN NY, VI IU KIN C PHP LUT CHO PHP. TR KHI XC NH KHC BNG TI LIU GIY T, CC NGI GI BN QUYN TC GI V/HAY NGI KHC CUNG CP TH VIN NY <quote>NH TH</quote>, KHNG C BO HNH G C, KHNG PHT BIU N, CNG KHNG NG N, GM, NHNG KHNG B HN CH BI, S BO M NG TNH TRNG C TH BN C V S THCH HP VI MT MC CH DT KHOT. MI RI RO V CHT LNG, CHNH XC V HIU SUT CA TH VIN NY BN S T CHU. NU TH VIN NY GY RA H HNG, BN GNH VC HON TON TRCH NGHIM TR TIN DCH V GIP HAY SA CHA.</para>

</sect2>

<sect2 id="sect16" label="16">
<title>Phn 16</title>

<para>KHNG C TRNG HP NO (TR KHI PHP LUT YU CU HAY KHI C THA THUN BNG TI LIU GIY T) M BT K NGI GI BN QUYN TC GI NO, HAY BT K NGI KHC NO C TH SA I V/HAY PHT HNH LI TH VIN NH C PHP BN TRN, S C TRCH NHIM V PHP L BI THING, GM BT K BI THING KIU TNG QUT, C BIT, NGU NH HAY DO HU QU DO S DNG HAY S KHNG C KH NNG S DNG TH VIN NY (GM NHNG KHNG PHI B HN TH BI S MT D LIU HAY D LIU B LM CHO KHNG CHNH XC HAY CC MT MT CA BN HAY NGI KHC HAY S KHNG HOT NG C TH VIN NY VI CHNG TRNH KHC), THM CH NU BN HAY NGI KHC C BO BIT C KH NNG THIT HI NH VY.</para>

</sect2>
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Per aquest document, d'acord amb aquesta Llicència, d'acord amb els termes exposats a la <link linkend="fdl-section4">seCCIó 4</link>, ms
amunt, per a les versions modificades, sempre que incloueu a l’obra resultant totes les Seccions invariables de tots els documents originals, sense modificar, les relacioneu com a Seccions invariables de l’obra resultant en el seu avs de llicencia.

A l’obra resultant noms cal incloure una cpia d’aquesta Llicencia, i diverses Seccions invariables idèntiques es poden substituir per una sola cpia. Si hi ha diverses Seccions invariables amb el mateix nom, per amb continguts diferents, feu que el tot de cadascuna d’elles sigui nic afegint-hi, al final i entre parèntesis, el nom de l’autor o editor original de la secció (si es coneix) o un nombre nic. Feu la mateixa operació als títols de la secció que sn a la relació de Seccions invariables a l’avs de llicencia de l’obra resultant.

A l’obra resultant podeu combinar totes les seccions titulades Historial dels diversos documents originals, donant com a resultat una secció titulada Historial; combineu de la mateixa manera totes les seccions titulades Agraments i totes les titulades Dedicaties. Heu de suprimir totes les seccions titulades Aprovacions.

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Teniu permis per a copiar, distribuir i/o modificar aquest document, sota els termes de la Llicncia de documentació lliure de GNU (GFDL), versió 1.1 o qualsevol versió publicada posteriorment per la Free Software Foundation; amb les Seccions invariables sent RELACIÓ DELS TTOLS, amb els Textos de portada sent RELACIÓ, i amb els Textos de contraportada sent RELACIÓ. S'inclou una cpia de la llicència a la secció Llicència de documentació lliure de GNU.

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<para>Si el vostre document cont exemples no trivials de codi de programa, recomanem publicar-los de forma parallela sota una llicencia de programari lliure, com ara la <ulink type="http" url="http://www.gnu.org/copyleft/gpl.html">Llicència General Pobligena de GNU</ulink>, per permetre'n l's en programari lliure.</para>

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Les licences de la plupart des logiciels sont conçues pour vous enlever toute liberté de les partager et de les modifier. A contrario, la Licence Publique Générale est destinée à garantir votre liberté de partager et de modifier les logiciels libres, et assurer que ces logiciels soient libres pour tous leurs utilisateurs.
Les licences de la plupart des logiciels sont conçues pour vous enlever toute liberté de les partager et de les modifier. A contrario, la Licence Publique Générale est destinée garantir votre liberté de partager et de modifier les logiciels libres, et assurer que ces logiciels soient libres pour tous leurs utilisateurs. La présente Licence Publique Générale s'applique la plupart des logiciels de la Free Software Foundation, ainsi qu’tout autre programme pour lequel ses auteurs s’engagent l’utiliser. (Certains autres logiciels de la Free Software Foundation sont couverts par la GNU Lesser General Public License la place.) Vous pouvez aussi l’appliquer aux programmes qui sont les vôtres.

Quand nous parlons de logiciels libres, nous parlons de liberté, non de prix. Nos licences publiques générales sont conçues pour vous donner l’assurance d’être libres de distribuer des copies des logiciels libres (et de facturer ce service, si vous le souhaitez), de recevoir le code source ou de pouvoir l’obtenir si vous le souhaitez, de pouvoir modifier les logiciels ou en utiliser des éléments dans de nouveaux programmes libres et de savoir que vous pouvez le faire.

Pour protéger vos droits, il nous est nécessaire d'imposer des limitations qui interdisent quiconque de vous refuser ces droits ou de vous demander d’y renoncer. Certaines responsabilités vous incombent en raison de ces limitations si vous distribuez des copies de ces logiciels, ou si vous les modifiez.

Par exemple, si vous distribuez des copies d’un tel programme, titre gratuit ou contre une rémunération, vous devez accorder aux destinataires tous les droits dont vous disposez. Vous devez vous assurer qu’eux aussi reçoivent ou puissent disposer du code source. Et vous devez leur montrer les présentes conditions afin qu’ils aient connaissance de leurs droits.

Nous protégeons vos droits en deux tapes: 

1. nous sommes titulaires des droits d'auteur du logiciel, et
2. nous vous délivrons cette licence, qui vous donne l'autorisation légale de copier, distribuer et/ou modifier le logiciel.

En outre, pour la protection de chaque auteur ainsi que la nôtre, nous voulons nous assurer que chacun comprenne que ce logiciel libre ne fait l'objet d'aucune garantie. Si le logiciel est modifié par quelqu'un d'autre puis transmis des tiers, nous voulons que les destinataires soient mis au courant que ce qu'ils ont reçu n'est pas le logiciel d'origine, de sorte que tout problème introduit par d'autres ne puisse entacher la réputation de l'auteur originel.

En définitive, un programme libre restera la merci des brevets de logiciels. Nous souhaitons viter le risque que les redonneurs d'un programme libre fassent des demandes individuelles de licence de brevet, ceci ayant pour effet de rendre le programme propriétaire. Pour viter cela, nous tablissons clairement que toute licence de brevet
doit être concédé de façon que l'usage en soit libre pour tous ou bien qu'aucune licence ne soit concédé.</para>

<para>Les termes exacts et les conditions de copie, distribution et modification sont les suivants.</para>
</sect1>

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<title>CONDITIONS DE COPIE, DISTRIBUTION ET MODIFICATION</title>

<sect2 id="sect0" label="0">
<title>Article 0</title>
<para>La présente Licence s'applique à tout programme ou tout autre ouvrage contenant un avis, apposé par le titulaire des droits d'auteur, stipulant qu'il peut être distribué au titre des conditions de la présente Licence Publique Générale. Ci-après, le "Programme" désigne l'un quelconque de ces programmes ou ouvrages, et un "ouvrage fond sur le Programme" désigne un ouvrage qui en dérive au titre des lois sur le droit d'auteur: en d'autres termes, un ouvrage contenant le Programme ou une partie de ce dernier, soit l'identique, soit avec des modifications et/ou traduit dans un autre langage. (Ci-après, le terme "modification" implique, sans s'y réduire, la terme traduction) Chaque concessionnaire sera désigné par "vous".</para>

<para>Les activités autres que la copie, la distribution et la modification ne sont pas couvertes par la présente Licence; elles sont hors de son champ d'application. L'opération consistant à exécuter le Programme n'est soumise aucune limitation et les sorties du programme ne sont couvertes que si leur contenu constitue un ouvrage fond sur le Programme (indépendamment du fait qu'il ait été réalisé par l'exécution du Programme). La validité de ce qui précède dépend de ce que fait le Programme.</para>
</sect2>

<sect2 id="sect1" label="1">
<title>Article 1</title>
<para>Vous pouvez copier et distribuer des copies l'identique du code source du Programme tel que vous l'avez reçu, sur n'importe quel support, du moment que vous apposiez sur chaque copie, de manière ad hoc et parfaitement visible, l'avis de droit d'auteur adquat et une exonération de garantie; que vous gardiez intacts tous les avis faisant référence la présente Licence et l'absence de toute garantie; et que vous fournissiez tout destinataire du Programme autre que vous mme un exemplaire de la présente Licence en mme temps que le Programme.</para>

<para>Vous pouvez faire payer l'acte physique de transmission d'une copie, et vous pouvez, votre discrtion, proposer une garantie contre rmunration.</para>
</sect2>

<sect2 id="sect2" label="2">
<title>Article 2</title>
<para>Vous pouvez modifier votre copie ou des copies l'identique du code source du Programme ou n'importe quelle partie de celui-ci, crant ainsi un ouvrage fond sur le Programme, et copier et distribuer de telles modifications ou ouvrage selon les termes de l'<link linkend="sect1">Article 1</link> ci-dessus, condition de vous conformer galement chacune des obligations suivantes: <orderedlist numeration="loweralpha">
<liitem>
Vous devez munir les fichiers modifiés d'avis bien visibles stipulants que vous avez modifi ces fichiers, ainsi que la date de chaque modification;</liitem>
</orderedlist>
</para>
</sect2>
Vous devez prendre les dispositions nécessaires pour que tout ouvrage que vous distribuez ou publiez, et qui, en totalité ou en partie, contient ou est fond sur le Programme - ou une partie quelconque de ce dernier - soit considéré comme un tout, titre gratuit, n'importe quel tiers, au titre des conditions de la présente Licence;

Si le programme modifié lit habituellement des instructions de façon interactive lorsqu'on l'exécute, vous devez, quand il commence son exécution pour ladite utilisation interactive de la manière la plus usuelle, faire en sorte qu'il imprime ou affiche une annonce comprenant un avis de droit d'auteur ad hoc, et un avis stipulant qu'il n'y a pas de garantie (ou bien indiquant que c'est vous qui fournissez la garantie), et que les utilisateurs peuvent redistribuer le programme en respectant les présentes obligations, et expliquant l'utilisateur comment voir une copie de la présente Licence.

Exception:

Si le Programme est lui-même interactif mais n'imprime pas habituellement une telle annonce, votre ouvrage fond sur le Programme n'est pas obligé d'imprimer une annonce.

Ces obligations s'appliquent à l'ouvrage modifié pris comme un tout. Si des éléments identifiables de cet ouvrage ne sont pas fondés sur le Programme et peuvent raisonnablement être considérés comme des ouvrages indépendants distincts en eux-mêmes, alors la présente Licence et ses conditions ne s'appliquent pas à ces éléments lorsque vous les distribuez en tant qu'ouvrages distincts. Mais lorsque vous distribuez ces mêmes éléments comme partie d'un tout, lequel constitue un ouvrage fond sur le Programme, la distribution de ce tout doit être soumise aux conditions de la présente Licence, et les autorisations qu'elle octroie aux autres concessionnaires s'appliquent l'ensemble de l'ouvrage et par conséquent chaque et toute partie indifféremment de qui l'a écrit.

Par conséquent, l'objet de présent article n'est pas de revendiquer des droits ou de contester vos droits sur un ouvrage entièrement écrit par vous; son objet est plutôt d'exercer le droit de contrôler la distribution d'ouvrages drôviens ou d'ouvrages collectifs fondés sur le Programme.

De plus, la simple proximité du Programme avec un autre ouvrage qui n'est pas fond sur le Programme (ou un ouvrage fond sur le Programme) sur une partition d'un espace de stockage ou un support de distribution ne place pas cet autre ouvrage dans le champ d'application de la présente Licence.

Vous pouvez copier et distribuer le Programme (ou un ouvrage fond sur lui, selon l'<link linkend="sect2">Article 2</link>) sous forme de code objet ou d'exécutable, selon les termes des <link linkend="sect1">Articles 1</link> et <link linkend="sect2">2</link> ci-dessus, condition que vous accomplissiez l'un des points suivants: <orderedlist numeration="loweralpha">
  <listitem>
    Vous pouvez copier et distribuer le Programme (ou un ouvrage fond sur lui, selon l'<link linkend="sect2">Article 2</link>) sous forme de code objet ou d'exécutable, selon les termes des <link linkend="sect1">Articles 1</link> et <link linkend="sect2">2</link> ci-dessus, condition que vous accomplissiez l'un des points suivants: <orderedlist numeration="loweralpha">
    <listitem>
      L'accompagner de l'intégralité du code source correspondant, sous une forme lisible par un ordinateur, lequel doit être distribué au titre des termes des <link linkend="sect1">Articles 1</link> et <link linkend="sect2">2</link> ci-dessus, sur un support habituellement utilisé pour l'échange de logiciels; ou,
    </listitem>
  </orderedlist>
</sect2>
L'accompagner d'une proposition crite, valable pendant au moins trois ans, de fournir tout tiers, un tarif qui ne soit pas supérieux ce que vous cote l'acte physique de réaliser une distribution source, une copie intégrale du code source correspondant sous une forme lisible par un ordinateur, qui sera distribuée au titre des termes des Articles 1 et 2 ci-dessus, sur un support habituellement utilisé pour l'échange de logiciels; ou,

L'accompagner des informations reçues par vous concernant la proposition de distribution du code source correspondant. (Cette solution n'est autorisée que dans le cas d'une distribution non-commerciale et seulement si vous avez reçu le programme sous forme de code objet ou d'executable accompagné d'une telle proposition - en conformité avec le sous-Article b ci-dessus.)

Le code source d'un ouvrage désigne la forme favorite pour travailler des modifications de cet ouvrage. Pour un ouvrage exécutable, le code source intégral désigne la totalité du code source de la totalité des modules qu'il contient, ainsi que les ventuels fichiers de définition des interfaces qui y sont associés, ainsi que les scripts utilisés pour contrôler la compilation et l'installation de l'exécutable. Cependant, par exception spéciale, le code source distribué n'est pas censé inclure quoi que ce soit de normalement distribué (que ce soit sous forme source ou binaire) avec les composants principaux (compilateur, noyau, et autre) du système d'exploitation sur lequel l'exécutable tourne, moins que ce composant lui-même n'accompagne l'exécutable.

Si distribuer un exécutable ou un code objet consiste à offrir un accès permettant leur copie depuis un endroit particulier, alors l'offre d'un accès équivalent pour copier le code source depuis le même endroit compte comme une distribution du code source - même si les tiers ne sont pas contraints de copier le source en même temps que le code objet.

Vous ne pouvez copier, modifier, concéder en sous-licence, ou distribuer le Programme, sauf tel qu'expressément prévu par la présente Licence. Toute tentative de copier, modifier, concéder en sous-licence, ou distribuer le Programme d'une autre manière est réputée non-valable, et met immédiatement fin vos droits au titre de la présente Licence. Toutefois, les tiers ayant reçu de vous des copies, ou des droits, au titre de la présente Licence ne verront pas leurs autorisations résiliées aussi longtemps que ledits tiers se conforment pleinement elle.

Vous n'êtes pas oblig d'accepter la présente Licence tant que vous ne l'avez pas signée. Cependant, rien d'autre ne vous accorde l'autorisation de modifier ou distribuer le Programme ou les ouvrages fonds sur lui. Ces actions sont interdites par la loi si vous n'acceptez pas la présente Licence. En conséquence, en modifiant ou distribuant le Programme (ou un ouvrage quelconque fond sur le Programme), vous signifiez votre acceptation de la présente Licence en le faisant, et de toutes ses conditions concernant la copie, la distribution ou la modification du Programme ou d'ouvrages fonds sur lui.
Chaque fois que vous redistribuez le Programme (ou n'importe quel ouvrage fond sur le Programme), une licence est automatiquement concédée au destinataire par le concédant originel de la licence, l'autorisant à copier, distribuer ou modifier le Programme, sous réserve des présentes conditions. Vous ne pouvez imposer une quelconque limitation supplémentaire l'exercice des droits octroyés au titre des présentes par le destinataire. Vous n'avez pas la responsabilité d'imposer le respect de la présente Licence des tiers.

Si, conséquemment une décision de justice ou l'allégation d'une transgression d'un brevet ou pour toute autre raison (non limitée à un problème de brevet), des obligations vous sont imposées (que ce soit par jugement, conciliation ou autre) qui contredisent les conditions de la présente Licence, elles ne vous excusent pas des conditions de la présente Licence. Si vous ne pouvez distribuer de manière à satisfaire simultanément vos obligations au titre de la présente Licence et toute autre obligation pertinente, alors il en découle que vous ne pouvez pas du tout distribuer le Programme. Par exemple, si une licence de brevet ne permettait pas une redistribution sans redevance du Programme par tous ceux qui reçoivent une copie directement ou indirectement par votre intermédiaire, alors la seule façon pour vous de satisfaire la fois la licence du brevet et la présente Licence serait de vous abstenir totalement de toute distribution du Programme.

Si une partie quelconque de cet article est tenu pour nulle ou inopposable dans une circonstance particulière quelconque, l'intention est que le reste de l'article s'applique. La totalité de la section s'appliquera dans toutes les autres circonstances.

Cet article n'a pas pour but de vous induire à transgresser un quelconque brevet ou d'autres revendications un droit de propriété ou à contester la validité de la moindre de ces revendications; cet article a pour seul objectif de protéger l'intégrité du système de distribution du logiciel libre, qui est mis en œuvre par la pratique des licences publiques. De nombreuses personnes ont fait de généreuses contributions au large spectre de logiciels distribués par ce système en se tenant à l'application cohérente de ce système; il appartient à chaque auteur/donateur de décider si il ou elle veut distribuer du logiciel par l'intermédiaire d'un quelconque autre système et un concessionnaire ne peut imposer ce choix.

Cet article a pour but de rendre totalement limpide ce que l'on pense être une conséquence du reste de la présente Licence.
La présente Licence incorpore la limitation comme si elle tait écrite dans le corps de la présente Licence.</para><sect2 id="sect9" label="9"><title>Article 9</title><para>La Free Software Foundation peut, de temps autre, publier des versions rvisées et/ou nouvelles de la Licence Publique Générale. De telles nouvelles versions seront similaires à la présente version dans l'esprit mais pourront différer dans le détail pour prendre en compte de nouvelles problématiques ou inquiétudes.</para><sect2 id="sect10" label="10"><title>Article 10</title><para>Si vous souhaitez incorporer des parties du Programme dans d'autres programmes libres dont les conditions de distribution sont différentes, crivez l'auteur pour lui en demander l'autorisation. Pour les logiciels dont la Free Software Foundation est titulaire des droits d'auteur, crivez la Free Software Foundation; nous faisons parfois des exceptions dans ce sens. Notre décision sera guidée par le double objectif de préservar le statut libre de tous les drifs de nos logiciels libres et de promouvoir le partage et la réutilisation des logiciels en général.</para><sect2 id="sect11" label="11"><title>ABSENCE DE GARANTIE</title><subtitle>Article 11</subtitle><para>COMME LA LICENCE DU PROGRAMME EST CONCDE TITRE GRATUIT, AUCUNE GARANTIE NE S'APPLIQUE AU PROGRAMME, DANS LES LIMITES AUTORISEES PAR LA LOI APPLICABLE. SAUF MENTION CONTRAIRE CRITE, LES TITULAIRES DU DROIT D'AUTEUR ET/OU LES AUTRES PARTIES FOURNISSENT LE PROGRAMME "TELQUEL", SANS AUCUNE GARANTIE DE QUELQUE NATURE QUE CE SOIT, EXPRESSE OU IMPLICITE, Y COMPRIS, MAIS SANS Y TRE LIMIT, LES GARANTIES IMPLICITES DE MARCHANDABILIT ET D'ADUATION UN OBJECTIF PARTICULIER. VOUS ASSUMEZ LA TOTALIT DES RISQUES LIS LA QUALIT ET AUX PERFORMANCES DU PROGRAMME. SI LE PROGRAMME SE RAVAIL DEFECTUEUX, LE COT DE L'ENTRETIEN, DES RPARATIONS OU DES CORRECTIONS NCESSAIRES VOUS INCOMBENT INTRALEMENT.</para><sect2 id="sect12" label="12"><title>Article 12</title><para>EN AUCUN CAS, SAUF LORSQUE LA LOI APPLICABLE OU UNE CONVENTION CRITE L'EXIGE, UN TITULAIRE DE DROIT D'AUTEUR QUEL QU'IL SOIT, OU TOUTE PARTIE QUI POURRAIT MODIFIER ET/OU REDISTRIBUER LE PROGRAMME COMME PERMIS CI-DESSUS, NE POURRAIT TRE
TENU POUR RESPONSABLE VOTRE GARD DES DOMMAGES, INCLANT LES DOMMAGES
GNRIQUES, SPECIFIQUES, SECONDAIRES OU CONSUCUTIFS, RSULTANT DE L'UTILISATION OU DE
L'INCAPACIT D'UTILISER LE PROGRAMME (Y COMPRIS, MAIS SANS Y TRE LIMIT, LA PERTE DE
DONNES, OU LE FAIT QUE DES DONNES SOIENT RENDUES IMPRCSIES, OU LES PERTES PROUES
PAR VOUS OU PAR DES TIERS, OU LE FAIT QUE LE PROGRAMME CHOUE INTROPRER AVEC UN
AUTRE PROGRAMME QUEL QU'IL SOIT) MME SI LE DIT TITULAIRE DU DROIT D'AUTEUR OU LE
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Elker knn dsse Lizenzurkunn verveelfltigen un unvernnerte Kopien verbreeden; nnern snd aver nich 
tolaten.
</para>
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<releaseinfo>Verschoon 2, Juni 1991</releaseinfo>

<abstract role="description">
De meesten Programmlizenzen snd so opschreven, dat se ji de Friheit nehmen, de Programme an annere Lt to verdeelen or to vernnern. Op de anner Siet schall ji de GNU Public License, de Allgemeene penliche Lizenz, gerade dsse Friheit garanteren.
</abstract>

<sect1 id="preamble" label="none">
<title>Vorwoort</title>

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<para>Nu kmmen de Regeln fr de Verveelfltigen, Verbreeden un Bewarken:</para>
</sect1>

<sect1 id="terms" label="none">
<title>Regeln fr de Verveelfltigen, Verbreeden un Bewarken</title>

<sect2 id="sect0" label="0">
<title>Paragraph 0</title>
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</para>
</sect2>

<sect2 id="sect1" label="1">
<title>Paragraph 1</title>
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</para>
</sect2>

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<title>Paragraph 5</title>

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<title>Paragraph 6</title>

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<title>Paragraph 7</title>

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<sect2 id="sect8" label="8">
<title>Paragraph 8</title>

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<sect2 id="sect9" label="9">
<title>Paragraph 9</title>

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<sect2 id="sect10" label="10"/>
Paragraph 10

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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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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.
</para>

<para>
If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under <link linkend="sect6">Section 6</link>.)
</para>

<para>
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distribute the object code for the work under the terms of
<link linkend="sect6">Section 6</link>.
Any executables containing that work also fall under
<link linkend="sect6">Section 6</link>, whether or not they are linked directly with the Library itself.
</para>
</sect2>

<sect2 id="sect6" label="6">
<title>Secci 6</title>

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

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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.
</para>
</listitem>
</orderedlist>
</sect2>

<sect2 id="sect8" label="8">
<title>Secci 8</title>

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</para>
</sect2>

<sect2 id="sect9" label="9">
<title>Secci 9</title>

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</sect2>

<sect2 id="sect10" label="10">
<title>Secci 10</title>

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</para>
</sect2>

<sect2 id="sect11" label="11">
<title>Secci 11</title>

<para>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.
</para>
</sect2>
Si, a conseqüència d'una decisió judicial, una demanda per infracció d'una patent o per qualsevol altra raó (no exclusivament relacionada amb patents), se us imposen condicions que contradiuen les condicions d'aquesta llicència, no queda excusat de les condicions d'aquesta llicència. Si no us s
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circumstàncies.

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propietat, o a discutir-ne la validesa; l'unic propòsit d'aquesta secció s'aprovar la integritat del sistema de distribució de
programari lliure, que s'implementa amb pràctiques de llicència pública. Molta gent ha fet generoses contribucions a
l'ampli ventall de programari distribuït per aquest sistema refiiant-se a l'aplicació consistència del sistema; li pertoca a
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but may differ in detail to address new problems or concerns.
conditions either of that version or of any later version published by
the Free Software Foundation. If the Library does not specify a
license version number, you may choose any version ever published by
the Free Software Foundation.
</para>
</sect2>

<sect2 id="sect14" label="14">
<title>Secció 14</title>

<para> If you wish to incorporate parts of the Library into other free
programs whose distribution conditions are incompatible with these,
write to the author to ask for permission. For software which is
copyrighted by the Free Software Foundation, write to the Free
Software Foundation; we sometimes make exceptions for this. Our
decision will be guided by the two goals of preserving the free status
of all derivatives of our free software and of promoting the sharing
and reuse of software generally.
</para>
</sect2>

<sect2 id="sect15" label="15">
<title>SENSE GARANTIA</title>

<para>ATS QUE LA BIBLIOTECA T UNA LLICÈNCIA GRATUÏTA, NO SE N'OFEIXI CAP TIPUS DE
GARANTIA, EN LA MESURA PERMESA PER LES LLEIS APLICABLES. LLEVAT DELS CASOS EN QU
S'AFIRMI EL CONTRARI PER ESCRIT, ELS LLICENCIADORS I/O LES ALTRES PARTS OFEREIXEN LA
BIBLIOTECA <quote>TAL COM S</quote>, SENSE CAP TIPUS DE GARANTIA, NI EXPLÍCITA NI
IMPLÍCITA; AIXÍ INCLÒU, SENSE LIMITAR-S'HI, LES GARANTIES IMPLÍCITES DE COMERCIALITZACIÓ I
ADEQUACIÓ A UN S CONCRET. TOT EL RISC PEL QUE FA A LA QUALITAT I RENDIMENT DE LA
BIBLIOTECA S VOSTRE. EN CAS QUE LA BIBLIOTECA RESULTS DEFECTUOSA, VS ASSUMIU TOT EL
COST D'ASSISTÈNCIA, REPARACIÓ O CORRECCIÓ.</para>
</sect2>

<sect2 id="sect16" label="16">
<title>Secció 16</title>

<para>EL POSSEDOR DEL COPYRIGHT, O QUALSEVol ALTRA PART QUE PUGUI MODIFICAR O
REDISTRIBUIR LA BIBLIOTECA TAL I COM ES PERMET MS AMUNT NO US HAUR DE RESPONDRE EN
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A VS O A TERCERS O LA IMPOSSIBILITAT QUE LA BIBLIOTECA FUNCIONI AMB QUALSEVOL
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Jelen Licenc elja egy tetszeges kziknyv, tanknyv, vagy ms, ehhez hasonl felhasznthat s hasznos dokumentum a sz szoros elmiben szabad</quote> szabad</quote> ttele: annak rdekben, hogy mindenkiek biztosta a szeg sokszorostsnak s terjesztstnek teljes szabadsgt, mdostskkal, vagy ankl, akr kereskedelmi, akr nem kereskedelmi terleten. Msell, e Licenc megrzi a szerz vagy kiad munknak elismershez fzd jogt, s egyttal mentesti t a msok Itt beiktatott mdostok kvetkezmnyei all.</para>
Jelen Licenc eljá egy tetszéleg kziknyv, tanknyv, vagy ms, ehhez hasonl felhasználhat s hasznos dokumentum a sz szoros retmben <quote>szabad</quote> ttele: annak rdekb, hogy mindenkinek biztossta a szvez sokszorostsnak s terjesztsek teljes szabadsgt, mdostsokkal, vagy anlkl, akr kereskedelmi, akr nem kereskedelmi terleten. Msfell, e Licenc megzsi a szerz vagy kiad munkjn elismershez fzd jgjt, s egytt mentest t a msok ittal beiktatott mdostok kvetkezmenyei al.</para>

A jelen Licenc egyfajta <quote>copyleft</quote> licencnek tekintend: ez azt jelenti, hogy a dokumentumbl szrmaztatott munk maguk is szabad minstst kell, hogy kapjanak. Ez a dokumentum egyben a GNU General Public License kiegsztjeknt is szolgla, mely egy, a szabad szoftverekre vonatkoz etalon licenc.</para>

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A jelen Licenc minden olyan kziknyvre, vagy ms jelleg, brmilyen adathordozn tallhat munkra vonatkozik, amelyen megtallhat a szerzi jog tulajdonosa ittal feltntetett figyelmzets, miszerint a dokumentum terjesztse jelen Licenc felttelei alapjn lehetsge. Az alibiakban hasznlt <quote>Dokumentum</quote> kifejezs brmely illeg kziknyvre, vagy egyb munkra vonatkozhat. A nyilvns nagy tagja potencils licenctulajdonosnak tekinthet, s a tovbbiakb an az <quote>n</quote> megszltst hasznjuk r.</para>

A Dokumentum <quote>Mdostott Vltozata</quote> brmely olyan munkra vonatkozik, amely tartalmazza a Dokumentumot, vagy annak elemeit akr sz szerint, akr mdostokkal, s vagy ms nyelvre lefordtva.</para>

A <quote>Msodlagos szakasz</quote> egy egyedi nyvel br fgelk, esetleg a <link linkend="fdl-document">Dokumentum</link> egy bevezet szakasza, amely kizrlag a kiadknak, vagy az alkotknak a Dokumentum fng trgykrhez (vagy kapcsold tmkhoz) fzd viszonyr szl, s nem tartalmaz semmi olyat, ami kizetlenl ezen fng tmkr al eshet. (Vagyis ha a Dokumentum rszen egy matematika-tanknyv, akkor a Msodlagos szakasz nem tartalmazhat matematikai trgy magyarzatokat). A fenti kapcsolat trgya lehet a tmkrrel, vagy a kapcsold tmkkal.
val trtnelmi viszony, illetve az azokra vonatkoz jogi, kereskedelmi, filozfiai, etikai, vagy politikai felfogs.</para>

<para id="fdl-invariant">A <quote>Nem Vltoztathat szakaszok</quote> olyan <link linkend="fdl-secondary">Msdolagos szakaszok</link>, amelyek cme Nem Vltoztathat szakaszkt van megjellve abban a kzlennyben, amely szerint a <link linkend="fdl-document">Dokumentum</link> a jelen Licenc hatlya alatt lett kiadva.</para>

<para id="fdl-cover-texts">A <quote>Borpszvegek</quote> olyan rvid szvegszek, melyek Cmlapszvegknt, illetve Htlapszvegknt kerlnk felsorolsra a kzlennyben, amely szerint a <link linkend="fdl-document">Dokumentum</link> a jelen Licenc hatlya alatt lett kiadva.</para>

<para id="fdl-transparent">A <link linkend="fdl-document">Dokumentum</link> <quote>tltsz</quote> pldnya olyan gppel olvashat vltozatot jelent, amely a nyilvnossz szmra hozzfrhet formtumban kerl terjesztsre, tovvb amelynek tartalma alkalmas a szokvnyos szvegszerkeszt-programokkal, illetve (pixelekbl ll kpe esetn) szokvnyos kpmegjelent-programokkal, vagy (rajzok esetn) ltanosan hozzfrhet rrajzprogramok segtgyel azonnali s kvezetlen vltoztatsokra; tovvb olyan formtumban mely alkalmas a szvegszerkesztkbe val bevitelre, vagy a szvegszerkesztk ital kezelt formtumokra val automatikus talaktsra. Egy olyan, egybkt tltsz formtumban ksktl pdny, melynk a jellnyelve vagy ennek hinya gy lett kialakvta, hogy megakadlyoza, vagy eltntorta az olvaskat minden tovvb mdosttl, nem tekinthet tltsznak. A nem <quote>tltsz</quote> pdnyok az <quote>tltszatlan</quote> megnevezst kapjk.</para>

<para>Az tltszsg kritriumainak megfelel formtumok kzt megtallhat pdlul a jellnyelt nem hasznl egyszer ASCII, a Texinfo beviteli formtum, a LaTeX beviteli formtum, az SGML vagy az XML egy ltalanosan hozzfrhet DTD hasznlatval, s a szabvnynak megfelel emberi mdostra tervezett egyszer HTML, PostScript vagy PDF, tltsz kpfornomakra plda a PNG, XCF s a JPG. Az tltszatlan formtumok kz sorolhatak a a szellemi tulajdnt kpez formtumok, amelyeket csak szellemi tulajdnt kpe szvegszerkesztkkel lehet elolvasi, az olyan SGML vagy XML, amelyhez a szkses DTD s/vagy egyb feldolgoz eszkzk nem ltalnosan hozzfrhetk, s a olyan gppel generlt HTML, PostScript vagy PDF formtum, amely kizrlag egyes szvegszerkesztk kimeneti formtumaknt II el.:</para>

<para id="fdl-title-page">Egy nyomtatott knyv esetben a <quote>Cmlap</quote> magt a cmlapot, illetve brmely azt kiegszt tovvb oldalt jelli, amely a jelen Licencben elrt cmlaptartalom kzztehez szksges. Az olyan formtum munknln, amelyek nem rendelkeznek effajta cmlappal, a <quote>Cmlap</quote> a munka cmnek legjobban kiemelt vltozathoz legkezelebb es, m a szveg trzst megel szvegszeket jelli.</para>

</sect1>

<sect1 id="fdl-section2" label="2">SZ ZERINTI SOKSZOROSTS</sect1>

<para>ennek lehetsge van a <link linkend="fdl-document">Dokumentum</link> kereskedelmi, vagy nem kereskedelmi jelleg sokszorostsa s terjesztsre a felhasznlt adathordoz tpustl fgtetlenl, feltve, hogy a jelen Licenc, a szerzi jogi fggelmezetts, tovvb a Dokumentumot a jelen Licenc hatlya al rendel kzlenny minden pdnyban egyarnt megjelenik, s hogy ezekben kvl semmilyen feltelt nem szab meg a szveghez. Nem alkalmazhat olyan technikai eszkzket, amelyekkel megakadlyozhat vagy szablyozhat az n ital terjesztett pdnyok elolvassa vagy sokszorostsa. Mindazonult eltfgadhat ellenszolgltatst a mslapot krt cserbe. Amennyiben az n ital terjesztett pdnyok szma meghalad egy bizonyos menysget, gy a <link linkend="fdl-section3">3. szakasz</link> feltteleinek e lehet kell tennie.</para>

<para>A fenti feltteleket betartva kclszhethet is pdnyokat, de akr nyilvnosan is kzzteheti a szveget.</para>

</sect1>
3. SOKSZOROSTS NAGYOB MENNYISGBEN

Amennyiben 100-nl tbb nyomtatott pldnnyt (vagy olyan adathordozen tallhat pldnnyokat, amelyeknek jellemezik, hogy nyomtatott cmlapjuk) tesz kzz a <link linkend="fdl-document">Dokumentumbl</link>, a dokumentum Licence felttell szabja a Bortszvegek megírása, gy minden egyes pldnnyt kteles ellenti olyan bortlapokkal, amelyek a kvetkez <link linkend="fdl-cover-texts">Bortszvegek</link> tisztn sz van olvashat fel vannak írva: Cmlapszvegek a cmlapon, illetve Htlapszvegek a htlapon. Mindkrt bortlapra egyértelm s olvashat r kell vezetnie a kiad, vagyis jelen esetben az n nevt. A cmlapon a Dokumentum teljes cmnek szerepelnie kell, s a cm minden szavank egyforman kiemeltnek s lthatnak kell lennie. Ezen fell, beltsa szerint, tovbbi rsetket is hozzadhad a bortlapokhoz. Amennyiben az esetleges mdostok kizrlag a bortlapokat rintik, s feltve, hogy a <link linkend="fdl-document">Dokumentum</link> cmel vltatlan marad, tovbb a bortlapok megfelelnek minden egyb kvetelmnynek, gy a sokszerosts ettl eltekintve sz szerinti sokszerostsnak minsl.</para>

Abban az esetben, ha a bortlapok brmelyik megvetett szegresek tl hossznak bizonyulnak az olvashat kzztelhez, gy csak az elsnt felsoroltakat kell feltntetnie (amennyi jzan belts szerint elfr) a tnyleges bortn, a tovbbiak pedig tkerlhetnek a kvetel oldalakra.

Amennyiben 100-nl tbb <link linkend="fdl-transparent">tltszatlan</link> pldnnyt tesz kzz, vagy terjeszt a <link linkend="fdl-document">Dokumentumbl</link>, gy kteles vagy egy gppel olvashat <link linkend="fdl-transparent">tltsz</link> pldnnyt mellkni minden egyes tltszatlan pldnhyoz, vagy lerni minden egyes tltszatlan pldnnyban egy, a mdostatlan tltsz pldnny tartalmaz olyan szmtp-hlzat elhetsft, amely elhett az ltalos hzati felhasznl szmra, s onnan nyilvno szabny hzati protokollok segtsvel a Dokumentum hozzadott anyagok nkli, teljes vltotza letthet. Ha az utbbi lehetset vlasztja, kteles gondoskodni arrl, hogy attl a naptt kezdve, amikor az utols tltszatlan pldnny is terjesztsre kerlt (akr kvetel jn, akr kiskereskedelmi forgalomban), a fenti helyen kzztett tltsz pldnny mg legalbb egy vig hozzfhet legyen a felhasznl szmra. 

Megkrtj, mde nem ktelezzn tt arra, hogy minden esetben, amikor nagyobb pldnyszmn terjesztsbe kezd, m jval ezt megeleng lpan kapcsolatba a <link linkend="fdl-document">Dokumentumbl</link> szerzivel, annak rdekben, hogy megkapassa tlk a Dokumentum esetleges jabb vltottatt. 

4. MDOSTSOK

Nnek lehetse van a <link linkend="fdl-document">Dokumentumbl</link> <link linkend="fdl-modified">Mdostott</link> Vltatnak sokszorostsra s terjesztsre a <link linkend="fdl-section2">2.</link> s <link linkend="fdl-section3">3.</link> <link linkend="fdl-section4">4.</link> szakaszok fenti rendelkezseinek alapján, felte, hogy a Mdostott Vltatotat kizrlag jelen Licenc feltteleivel sszhangban teszi kzz, ahol a Mdostott Vltat a Dokumentum szerep tlti be, eztt lehetset biztosan annak terjesztsre s mdostsra brkinek, aki csak hozzjut egy pldnnyhoz. Mindezen fell, a Mdostott Vltat az albbi kvetelmnyeknek is meg kell, hogy feleljjen:

A <link linkend="fdl-title-page">Cmlapon</link> (s ha van, a bortkon) tntessen fel egy a <link linkend="fdl-document">Dokumentumbl</link>, illetve brmely korbbr vltott elr cmet (ameyleknek, ha vannak, a Dokumentum Elsnniek szakaszban kell szerepelnik). Egy korbbr vltat cmt csak akkor hasznhatja, ha annak szerje engedlyezte azt.
A <link linkend="fdl-title-page">Cmlapon</link> szerzkknt sorolja fel a <link linkend="fdl-modified">Mdstott Vltozatban</link> elvgzett vitozatokról felels termzctes vagy jogi szemlyeket, tovtt a <link linkend="fdl-document">Dokumentum</link> f szerzi kzl legkevesebb tt (vagy mindet, ha tnl kevesebben vannak) kivve, ha ezen felttel all k nt felmentik.</para>

A <link linkend="fdl-title-page">Cmlapon</link> a <link linkend="fdl-modified">Mdstott Vltozat</link> kzztt rt felhessz fel kiadknt.</para>

A <link linkend="fdl-document">Dokumentum</link> sszes szerzi jogi figyelmeztetst hagyja rintetlenl.</para>

Sajt mdstsaira vonatkozoz is tegyen kzz egy szerzi jogi megjegyzst, a tbbi ilyen jell figyelmeztets mellett.</para>

Rgtn a szerzi jogi figyelmeztseteket kveten tntessen fel egy kzlemnyt, az albbi Fggelk mintjra, amelyben engedlyez a <link linkend="fdl-modified">Mdstott Vltozat</link> felhasznlst a jelen Licenc feltteleinek megfelelen.</para>

A fenti kzlemnyben hagyja rintetlenl a <link linkend="fdl-invariant">Nem Vltoztathat</link> szakasz s a szksges <link linkend="fdl-cover-texts">Bortszvegek</link> a jelen <link linkend="fdl-document">Dokumentum</link> licencben elrt teljes listjt.</para>

Mellkelje a jelen Licenc egy eredeti plndyt.</para>

Az <quote>Elzmnyek</quote> elnevez szakasz, illetve annak cmt szintn hagyja rintetlenl, emellett adjon hozz egy j elemt, amely minimilisan tartalmazza a <link linkend="fdl-modified">Mdstott Vltozat</link> cmt, kiadsi vt, tovbb az j szerz, illetve a kiad nevt, a <link linkend="fdl-title-page">Cmlapon</link> lthatkhoz hasonlan. Amennyiben a <link linkend="fdl-document">Dokumentum</link> nem tartalmaz semmifle <quote>Elzmnyek</quote> elnevez szakasz, gy hozzonltre egyet, amely tartalmazza a Dokumentum cmt, kiadsi vt, tovbb a szerz, illetve a kiad nevt, a Cmlapon lthatkhoz hasonlan; majd ezt kven adjon hozz egy j, a Mdstott Vltozatra vonatkoz elemt, a fentiekkel sszhangban.
<listitem>
<para>Ne tegyen vltzoztatsokat a <link linkend="fdl-document">Dokumentumban</link> megadott <link linkend="fdl-transparent">tőlsz pldnny</link> nyilvans hltzai elrhetsgt (ha van ilyen) illeten, vagy hasonlkpp, a Dokumentum alapjul szolglt korbb vltzatok hltzai helyre vonatkozoz. Ezek az <quote>Elznmnyek</quote> szakaszban is szerepelhetnek. Csak abban az esetben hagyhatja el egyes korbb vltzatok hltzai elrhetsgt, ha azok megkevesebb ng vvel a Dokumentum eltt kszlevek, vagy ha maga az alkot engedlyezt azt.</para>
</listitem>

<listitem>
<para>Brmely <quote>Ksznetnyilvnt</quote>, vagy <quote>Ajnlsok</quote>elnevezs szakasz cmt hagyja rintetlenl, tovbb gondsokodjjon arrl, hogy azok tartalma s hangytele az egyes hozzjrulkat, s/vagy az ajnlsokat illeten vltzatlan maradjon. </para>
</listitem>

<listitem>
<para>A <link linkend="fdl-document">Dokumentum</link> sszes <link linkend="fdl-invariant">Nem Vltoztathat</link> szakaszt hagyja rintetlenl, gy cmket, mint tartalmukat illeten. A szakaszok szmozsa, vagy brmely azzal egyenrte jells nem tartozik a szakaszcmek kz.</para>
</listitem>

<listitem>
<para>Trljn minden <quote>Hozzjruls</quote> elnevezs szakaszt. Effajta szakaszok nem kpehetik rszt a <link linkend="fdl-modified">Mdostott Vltzatnak</link>.</para>
</listitem>

<listitem>
<para>Ne nevezzen t semmilyen ltez szakaszt <quote>Hozzjruls</quote> elnevezse, vagy olyasmire, amely emben a <link linkend="fdl-invariant">Nem Vltoztathat</link> szakaszokkal tkzhet.</para>
</listitem>

<itemizedlist>
  
  <para>Ha a <link linkend="fdl-modified">Mdostott Vltzat</link> j bevezet szakaszokat tartalmaz, vagy olyan fggelkeket, melyek <link linkend="fdl-secondary">Mdostlagos szakasznak</link> minsknek, m nem tartalmaznak a Dokumentumbl szrmaz anyagot, abban az esetben, beltsa szerint, e szakaszok nmelyikt, vagy akr az sszeset besorolhatja nem vltzathatknt. Ehhez nem kell mst tennie, mint felsorolni a szban forg cmket a <link linkend="fdl-invariant">Mdostott Vltzat</link> licencnek Nem Vltoztathat szakaszok listjban. E cmeknek hatrozottan el kell klnlnie minden egyb szakaszcmrlt.</para>

  <para><quote>Hozzjruls</quote> elnevezs szakasz csak akkor adhat a Dokumentumhoz, ha az kizrlag a <link linkend="fdl-modified">Mdostott Vltzatra</link> utal megjegyzseket tartalmaz pldul msok recenziira vonatkozoz, vagy hogy egy szervezet a szveget egy szavbny mrvad definicijaknt ismerte el.</para>

  <para><quote>Hozzjruls</quote> elnevezs szakasz csak akkor adhat a Dokumentumhoz, ha az kizrlag a <link linkend="fdl-modified">Mdostott Vltzatra</link> utal megjegyzseket tartalmaz pldul msok recenziira vonatkozoz, vagy hogy egy szervezet a szveget egy szavbny mrvad definicijaknt ismerte el.</para>

  <para><link linkend="fdl-cover-texts">Cmlapszveg</link> gyannt egy legfeljebb t szbl ll szvegrszt adhat meg, a <link linkend="fdl-cover-texts">Htlszveg</link> esetn pedig 25 szt fhet a <link linkend="fdl-modified">Mdostott Vltzat</link> <link linkend="fdl-cover-texts">Bortszvegeinek</link> vghez. Brmely termszetes vagy jogi szemly csak s kizrlag egy Cmlapszveg s egy Htlszveg rsz adhat (akr ksvtn keresztlt) a Dokumentumhoz. Ha a <link linkend="fdl-document">Dokumentum</link> mr rendelkezik Bortszveggel ehhez a
vltozathoz, mert korábban n adta hozz, vagy az a szervezet, amelynek nevben n fellp, akkor nem adhat hozz misk Bortszveget; a rgit mindazonlta lecsersæti, abban az esetben, ha az azt hozzad korbbi kiad egyértelen engedéyezi.</para>

A kzs <link linkend="fdl-document">Dokumentum</link> szerzi s kiadi ezzel a Licencel nem jrslnak hozz nevk felhasznslrsa, a <link linkend="fdl-modified">Mdstott Vltozat</link> npszerstsr, s n tmogatjk azt.</para>

</sect1>

<section id="fdl-section5" label="5">
<title>KOMBINLT DOKUMENTUMOK</title>

A kzs <link linkend="fdl-document">Dokumentum</link> szerzi s kiadni ezzel a Licencel nem jrslnak hozz nevk felhasznlsra, a <link linkend="fdl-modified">Mdstott Vltozat</link> npszerstsr, s n tmogatjk azt.</para>

</sect1>

<section id="fdl-section6" label="6">
<title>DOKUMENTUMGYJTEMNYEK</title>

A kzs <link linkend="fdl-document">Dokumentum</link> s annak szrmazkaink alatt, vagy fggetlen dokumentumokkal, illetve munkkkal val asszefzse egy kzs trolsi, vagy terjesztsi egyszig <quote>gyjtemnynek</quote> nevezend, amennyiben az szefsz eredmnyekppen rvnyes szerzi jogi felttelek nem korltozzk nagyobb mrtkben az szefsf felhasznlnak jogait, mint amennyire azt az egyes szzetvek teszik. Amikor a Dokumentum rsze egy gyjtemnynek, akkor a jelen Licenc nem rvnyes a gyjtemny azon rszeire, amelyek nem a
Dokumentumbl szrmaztatott munkk. Amennyiben a <link linkend="fdl-section3">3. szakasz</link> <link linkend="fdl-cover-texts">Bortszvegekre</link> vonatkoz rendelkezsei alkalmazhat a Dokumentum e plnyaira, s a Dokumentum a teljes sszegzsnek kevesebb, mint felt teszi ki, gy a Dokumentum Bortszvegeit olyan mdon is el lehet helyezni a bortkon, hogy azok csak mag a Dokumentumot fogjk kere, vagy a bortknak megfelelelektronikus formban, amennyiben a Dokumentum elektronikus formban tallhat. Minden ms esetben a teljes sszegzs bortlapjain kell felintetni a fenti szvegeket.</para>

</sect1>

<sect1 id="fdl-section8" label="8">
<title>FORDTS</title>
<para>A fordts egyfajta mdostsnak tekinthet, gy a <link linkend="fdl-document">Dokumentum</link> lefordott plnyai a <link linkend="fdl-section4">4. szakasz</link> rendelkezsei alapjn terjeszthet. A <link linkend="fdl-invariant">Nem Vltoztathat</link> szakaszok lefordtshoz kln engedlyt kell kri a szerzi jogtulajdonostl, mindazonltal kzztehet a lefordott vltzatok is gy, ha az eredeti Nem Vltoztathat szakaszokat is belefoglalja a munkba. E Licenc lefordtsra, valamint minden, a Dokumentumhoz tartoz Licencmellketre, illetve az esetleges Garancik Kizrsaira ugyanezek a felttelevnyesek, vagyis a lefordott vltzatok csak akkor jelenhetnek meg, ha mellette ott vannak az eredeti, angol nyelv Licenc, a mellkletek s kizrkei szvegi is. Amennyiben elrs mutatkozn az eredeti vltzatok, illetve a fordts kzt, gy a Licenc, a mellkletek s kizrkei angol nyelv eredetije tekintend mrvarnak.</para>

</sect1>

<sect1 id="fdl-section9" label="9">
<title>MEGSZNS</title>
<para>A jelen Licencben egyrtelmen kijellt kereteken kvl tilos a <link linkend="fdl-document">Dokumentum</link> brminem sokszorostsa, mdostsa, tovbblicencelse, vagy terjesztse. Minden ezzel szembeni sokszorostsi, mdosti, tovbblicencelsi, vagy terjesztsi ksrlet a jelen Licencben meghatrozott jogok automatikus megsznst vonja maga utn. Ugyanakkor azok a felek, akik nn keresztul jutottak msolathoz vagy jogosultsgkhoz, nem veszik el azokat, amg maradktalanul betartjk e Licenc elrsait.</para>

</sect1>

<sect1 id="fdl-section10" label="10">
<title>JELEN LICENC JVBENI JAVTSAI</title>

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</sect1>

</sect1>

<title>Fggelk</title>
<para>Ha a jelen Licencet egy n Itl rt dokumentumban kvja hasznlni, akkor mellkelje hozz a Licenc egy plnyt, tovbb vezesse r az albbi szerzi jogi s licenckzlemnyeket, rgtn a cmlapot kveten:</para>
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Amennyiben a dokumentum nem egyrtelm programkpdkat is tartalmaz, gy azt javasoljuk, hogy e pldkat egy vlasztta szerinti szabdsztofter licenc alatt kzlje mint pl dul a <ulink type="http" url="http://www.gnu.org/copyleft/gpl.html"> GNU General Public License</ulink> , hogy lehetv tegye a kdok szabadsztofterekben val alkalmazst.

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Vorwort

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<sect2 id="sect2" label="2">
<title>Paragraph 2</title>
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<li><para>(So hat z.B. eine Funktion zum Berechnen von Quadratwurzeln einen von der Anwendung unabhängigen genau definierten Zweck. Deshalb verlangt 2 Absatz d, dass jede von der Anwendung bereitgestellte Funktion oder von dieser Funktion benutzte Tabelle optional sein muss: Auch wenn die Anwendung sie nicht bereitstellt, muß die Quadratwurzelfunktion trotzdem noch Quadratwurzeln berechnen).</para></li>
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Sie können sich für die Anwendung der Bedingungen der gewöhnlichen Allgemeinen öffentlichen GNU-Lizenz (GNU-GPL) statt dieser Lizenz auf eine gegebene Kopie der Bibliothek entscheiden. Um dies zu tun, müssen Sie alle Eintragungen, die sich auf diese Lizenz beziehen, ndern, so da sie nun für die gewöhnliche GNU-GPL, Version 2, statt für diese Lizenz (LGPL) gelten. (Wenn eine neuere Version als Version 2 der gewöhnlichen GNU-GPL erschienen ist, können Sie diese angeben, wenn Sie das wünschen.) Nehmen Sie keine anderen Veränderungen in diesen Eintragungen vor.

Wenn diese Veränderung in einer gegebenen Kopie einmal vorgenommen ist, dann ist sie für diese Kopie nicht mehr zurücknehmbar, und somit gilt dann die gewöhnliche GNU-GPL für alle nachfolgenden Kopien und abgeleiteten Werke, die von dieser Kopie gemacht worden sind.

Diese Option ist nützlich, wenn Sie einen Teil des Codes der Bibliothek in ein Programm kopieren wollen, das keine Bibliothek ist.

Sie können die Bibliothek (oder einen Teil oder eine Ableitung von ihr, gem Paragraph 2) in Objektcode-Form oder in ausführbarer Form unter den Bedingungen der obigen Paragraphen kopieren und weitergeben, sofern Sie den vollständigen entsprechenden maschinenlesbaren Quelltext beifügen, der unter den Bedingungen der obigen Paragraphen kopieren und weitergeben werden muss, das blicherweise zum Austausch von Software benutzt wird.

Wenn die Weitgabe von Objektcode durch das Angebot eines Zugangs zum Kopienabrup von einem angegebenen Ort erfolgt, dann erfüllt das Angebot eines gleichwertigen Zugangs zum Kopieren des Quelltextes von demselben Ort die Anforderung, auch den Quelltext weiterzugeben, obwohl Dritte nicht verplichtet sind, den Quelltext zusammen mit dem Objektcode zu kopieren.
Ein Programm, das nichts von irgendeinem Teil der Bibliothek abgeleitet enthält, aber darauf ausgelegt ist, mit der Bibliothek zusammenzuarbeiten, indem es mit ihr compiliert oder gelinkt wird, nennt man ein Werk, das die Bibliothek nutzt. Solch ein Werk, das sich allein genommen, ist kein von der Bibliothek abgeleitetes Werk und gilt daher nicht unter diese Lizenz.

Wird jedoch ein Werk, das die Bibliothek nutzt, mit der Bibliothek gelinkt, so entsteht ein ausführbares Programm, das ein von der Bibliothek abgeleitetes Werk (weil es Teile der Bibliothek enthält) und kein Werk, das die Bibliothek nutzt ist. Das ausführbare Programm gilt daher unter diese Lizenz. Paragraph 6 gibt die Bedingungen für die Weitergabe solcher ausführbarer Programme an.

Wenn ein Werk, das die Bibliothek nutzt, Material aus einer Header-Datei verwendet, die Teil der Bibliothek ist, dann kann der Objektcode für das Werk ein von der Bibliothek abgeleitetes Werk sein, selbst wenn der Quelltext dies nicht ist. Ob dies jeweils zutrifft, ist besonders dann von Bedeutung, wenn das Werk ohne die Bibliothek gelinkt werden kann oder wenn das Werk selbst eine Bibliothek ist. Die genaue Grenze, von der an dies zutrifft, ist rechtlich nicht genau definiert.

Wenn solch eine Objekdatei nur numerische Parameter, Datenstruktur-Layouts und Zugriffsfunctionen sowie kleine Makros und kleine Inlinefunktionen (zehn Zeilen lang oder kürzer) benutzt, dann unterliegt die Benutzung der Objekdatei keinen Beschränkungen, ohne Rechtsicht darauf, ob es rechtlich gesehen ein abgeleitetes Werk ist. Ausführbare Programme, welche diesen Objektcode plus Teile der Bibliothek enthalten, fallen jedoch weiterhin unter die Bestimmungen von Paragraph 6. Paragraph 6, gleichgültig, ob sie direkt mit der Bibliothek selbst gelinkt sind oder nicht.


Als Ausnahme von den Bestimmungen der vorstehenden fünf Paragraphen dürfen Sie auch ein Werk, das die Bibliothek nutzt, mit der Bibliothek kombinieren oder linken, um ein Werk zu erzeugen, das Teile der Bibliothek enthält, und dieses unter Bedingungen ihrer eigenen Wahl weitergeben, sofern diese Bedingungen Bearbeitungen für den eigenen Gebrauch des Empfängers und ein Rückbilden (reverse engineering) zum Beheben von Mängeln solcher Bearbeitungen gestatten.

Sie müssen bei jeder Kopie des Werks deutlich erkennbar angeben, dass die Bibliothek darin genutzt wird und dass die Bibliothek und ihre Benutzung durch die Lizenz abgedeckt sind. Sie müssen eine Kopie dieser Lizenz mitgeben. Wenn das Werk bei seiner Ausführung Copyright-Vermern zeigt, müssen Sie den Copyright-Vermern für die Bibliothek mit anzeigen lassen und dem Benutzer einen Hinweis geben, der ihn zu einer Kopie dieser Lizenz führt. Ferner müssen Sie eines der nachfolgend genannten fünf Dinge tun: Zuerst ist das Numerierung zu legen: loweralpha.

Liefern Sie das Werk zusammen mit dem vollständigen zugehörigen maschinenlesbaren Quelltext der Bibliothek aus, und zwar einschließlich jeglicher in dem Werk angewandter nderungen (wobei dessen Weitergabe gem den Bedingungen der Paragraphen Paragraph 1) und Paragraph 1.
fr ein ausführbares Programm muss die verlangte Form des 'Werks, das die Bibliothek nutzt' alle Daten und Hilfsprogramme mit einschließen, die man braucht, um daraus das ausführbare Programm zu reproduzieren. Doch gilt eine spezielle Ausnahme: Die weiterzugebenden Materialien brauchen nicht alles das zu enthalten, was normalerweise (in Quelltext-Form oder in binärer Form) mit den Hauptbestandteilen (Compiler, Kern usw.) des Betriebssystems, auf denen das ausführbare Programm lauft, weitergegeben wird, es sei denn, das ausführbare Programm gehört selbst zu diesem Hauptbestandteil.

Es kann vorkommen, dass diese Anforderung im Widerspruch zu Lizenzbeschränkungen anderer, proprietärer Bibliotheken steht, die normalerweise nicht zum Betriebssystem gehören. Ein solcher Widerspruch bedeutet, dass Sie nicht gleichzeitig jene proprietären Bibliotheken und die vorliegende Bibliothek zusammen in einem ausführbaren Programm, das Sie weitergeben, verwenden dürfen.
Sie dürfen Bibliotheks-Funktionseinheiten, die ein auf der Bibliothek basierendes Werk darstellen, zusammen mit anderen, nicht unter diese Lizenz fallenden Funktionseinheiten in eine einzelne Bibliothek einbauen und eine solche kombinierte Bibliothek weitergeben, vorausgesetzt, da die gesonderte Weitergabe des auf der Bibliothek basierenden Werks einerseits und der anderen Funktionseinheiten andererseits ansonsten gestattet ist, und vorausgesetzt, da Sie folgende zwei Dinge tun:

- Geben Sie zusammen mit der kombinierten Bibliothek auch eine Kopie desselben auf der Bibliothek basierenden Werks mit, die nicht mit irgendwelchen anderen Funktionseinheiten kombiniert ist. Dieses Werk muss unter den Bedingungen der obigen Paragraphen weitergegeben werden.
- Weisen Sie bei der kombinierten Bibliothek an prominenter Stelle auf die Tatsache hin, dass ein Teil davon ein auf der Bibliothek basierendes Werk ist, und erklären Sie, wo man die mitgegebene unkombinierte Form desselben Werks finden kann.


Sie sind nicht verpflichtet, diese Lizenz anzunehmen, da Sie diese nicht unterzeichnet haben. Doch gibt Ihnen sonst nichts die Erlaubnis, die Bibliothek oder von ihr abgeleitete Werke zu verndern oder zu verbreiten. Diese Handlungen sind gesetzlich verboten, wenn Sie diese Lizenz nicht annehmen. Indem Sie die Bibliothek (oder ein darauf basierendes Werk) verndern oder verbreiten, erklären Sie Ihr Einverständnis mit dieser Lizenz, die Ihnen das erlaubt, mit allen ihren Bedingungen bezüglich der Vervielfältigung, Verbreitung und Veränderung der Bibliothek oder eines darauf basierenden Werks.

Jedes Mal, wenn Sie die Bibliothek (oder irgendein auf der Bibliothek basierendes Werk) weitergeben, erhält der Empfänger automatisch vom ursprünglichen Lizenzgeber die Lizenz, die Bibliothek entsprechend den hier
festgelegten Bestimmungen zu vervielfältigen, zu verbreiten und zu verndern und mit ihr zu verknüpfen. Sie dürfen keine weiteren Einschränkungen der Ausübung der hierin zugestandenen Rechte des Empfängers vornehmen. Sie sind nicht dafür verantwortlich, die Einhaltung dieser Lizenz durch Dritte durchzusetzen.\</para>
\</sect2>

<sect2 id="sect11" label="11">
<title>Paragraph 11</title>

<para>Sollten Ihnen infolge eines Gerichtsurteils, des Vorwurfs einer Patentverletzung oder aus einem anderen Grunde (nicht auf Patentfragen begrenzt) Bedingungen (durch Gerichtsbeschluss, Vergleich oder anderweitig) auferlegt werden, die den Bedingungen dieser Lizenz widersprechen, so befreien diese Umstände Sie nicht von den Bestimmungen dieser Lizenz. Wenn es Ihnen nicht möglich ist, die Bibliothek unter gleichzeitiger Beachtung der Bedingungen in dieser Lizenz und Ihrer anderweitigen Verpflichtungen zu verbreiten, dann dürfen Sie als Folge davon die Bibliothek herab nicht verbreiten. Wenn zum Beispiel ein Patent nicht die gebührenfreie Weiterverbreitung der Bibliothek durch diejenigen erlaubt, welche die Bibliothek direkt oder indirekt von Ihnen erhalten haben, dann besteht der einzige Weg, sowohl dem Patentrecht als auch dieser Lizenz zu gingen, darin, ganz auf die Verbreitung der Bibliothek zu verzichten.\</para>

<para>Sollte sich ein Teil dieses Paragraphen als ungültig oder unter bestimmten Umständen nicht durchsetzbar erweisen, so soll dieser Paragraph seinem Sinne nach angewandt werden; im brigen soll dieser Paragraph als Ganzes gelten.\</para>

<para>Zweck dieses Paragraphen ist nicht, Sie dazu zu bringen, irgendwelche Patente oder andere Eigentumsansprüche zu verletzen oder die Geltung solcher Ansprüche zu bestreiten; dieser Paragraph hat vielmehr einzig den Zweck, die Integrität des Verbreitungssystems der freien Software zu schützen, das durch die Praxis öffentlicher Lizenzen verwirklicht wird. Viele Leute haben großzügige Beiträge zu dem weiträumigen Angebot der durch dieses System verbreiteten Software im Vertrauen auf die konstante Anwendung dieses Systems geleistet; es obliegt dem Autor bzw. Geber, zu entscheiden, ob er die Software mittels irgendeines anderen Systems verbreiten will; ein Lizenznehmer jedoch darf darber nicht entscheiden.\</para>

<para>Dieser Paragraph ist dazu gedacht, deutlich klar zu stellen, was als Konsequenz aus den brigen Bestimmungen dieser Lizenz zu betrachten ist.\</para>
\</sect2>

<sect2 id="sect12" label="12">
<title>Paragraph 12</title>

<para>Wenn die Verbreitung und/oder die Benutzung der Bibliothek in bestimmten Staaten entweder durch Patente oder durch urheberrechtlich geschützte Schnittstellen eingeschränkt ist, kann der Urheberrechtsinhaber, der die Bibliothek unter diese Lizenz gestellt hat, eine explizite geographische Begrenzung der Verbreitung angeben, in der diese Staaten ausgeschlossen werden, so dass die Verbreitung nur innerhalb und zwischen den Staaten erlaubt ist, die nicht demgemäß ausgeschlossen sind. In einem solchen Fall beinhaltet diese Lizenz die Beschränkung, als wêr sie in diesem Text niedergeschrieben.\</para>
\</sect2>

<sect2 id="sect13" label="13">
<title>Paragraph 13</title>

<para>Wenn die Verbreitung und/oder die Benutzung der Bibliothek in bestimmten Staaten entweder durch Patente oder durch urheberrechtlich geschützte Schnittstellen eingeschränkt ist, kann der Urheberrechtsinhaber, der die Bibliothek unter diese Lizenz gestellt hat, eine explizite geographische Begrenzung der Verbreitung angeben, in der diese Staaten ausgeschlossen werden, so dass die Verbreitung nur innerhalb und zwischen den Staaten erlaubt ist, die nicht demgemäß ausgeschlossen sind. In einem solchen Fall beinhaltet diese Lizenz die Beschränkung, als wêr sie in diesem Text niedergeschrieben.\</para>
\</sect2>
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Wenn Sie den Wunsch haben, Teile der Bibliothek in anderen freien Programmen zu verwenden, deren Bedingungen für die Verbreitung anders sind, schreiben Sie an den Autor der Bibliothek, um ihn um die Erlaubnis zu bitten. Fr Software, die unter dem Copyright der Free Software Foundation steht, schreiben Sie an die Free Software Foundation; wir machen zu diesem Zweck gelegentlich Ausnahmen. Unsere Entscheidung wird von den beiden Zielen geleitet werden, zum einen den freien Status aller von unserer freien Software abgeleiteten Werke zu erhalten und zum anderen das gemeinschaftliche Nutzen und Wiederverwenden von Software im allgemeinen zu fördern.

Da die Bibliothek ohne jegliche Gebühren lizenziert wird, besteht keinerlei Gewährleistung für die Bibliothek, soweit dies gesetzlich zulässig ist. Sofern nicht anderweitig schriftlich bestätigt, stellen die Copyright-Inhaber und/oder Dritte die Bibliothek so, wie sie ist zur Verfügung, ohne Gewährleistung irgendeiner Art, weder ausdrücklich noch implizit. Dieser Garantieausschluss gilt auch ohne darauf beschränkt zu sein für Marktreife oder Verwendbarkeit für einen bestimmten Zweck. Das volle Risiko bezüglich Qualität und Leistungsfähigkeit der Bibliothek liegt bei Ihnen. Sollte sich die Bibliothek als fehlerhaft herausstellen, liegen die Kosten für notwendigen Service, Reparatur oder Korrektur samtlich bei Ihnen.

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Lizentzia hau software librearentzat diseinatutako "copyleft" lizentzia osatzen du. Lizentziaren bidez autoreei eta argitaratzaileen euren lana aitortzen zaie, eta ez dira beste batzuk egindako aldaketen erantzule.


Dokumentuaren <quote>Bertsio aldatua</quote> esaten denean, Dokumentu hau osorik edo zati batean biltzen duen edozein lan adierazten da, hau da, kopia literala, aldatuetako dituena edo beste hizkuntza batera itzulitakoa.


Dokumentuaren <quote>Atal aldaezinak</quote> <link>jakin batzuk dira; <link>Atal sekundario</link> jakin batzuk dira; <link>Dokumentu</link> Lizentzia honen baldintzen pean argitaratzen
Open Source Used In Data Center Network Manager 11.5(1)  16068

dela esaten duen oharrean zehazten dira Atal aldaezinen izenburuak.</para>

<quote>Azaleko testuak</quote> testu zati laburra dira eta Aurreko azaleko testu edo Atzeko azaleko testu gisa aipatzen dira <link linkend="fdl-document">Dokumentua</link> Lizentzia honen pean argitaratzen dela dioen oharrean.</para>


Azaletan jarri beharreko testuak luzeegiak badira modu irakurgarrian ipintzeko, zerrendako lehenak jarri behar dituzte azaletan bertan (sartzen diren guztiak), eta hurrengo orrietan jarraitu besteekin.</para>

Opako</link>/aren 100 kopia <link linkend="fdl-transparent">Opako</link> argitaratzen edo banatzen badituzu, kopia Opako bakoitzarekin batera makinaz irakurtzeko moduko kopia <link linkend="fdl-transparent">Garden</link> bat eman behar duzu, edo bestela, kopia Opako bakoitzean edo bakoitzarekin batera ordenagailu-sare bateko helbide bat adierazi beharko duzu, edonork libreki atzi dezakeena eta Dokumentuaren kopia Garden osoa daukana, gehiturako materialik gabe, sare-erabiltzaile arruntak anonimoki deskargatu ahal izateko do, eta sare-protokolo estandar publikoen bidez. Azken aukeraren bidetik jotzen baduzu, zentzuz eta zuhur jokatu behar duzu kopia Opako asko banatzen hasten zarenean, kopia Garden hori adierazitako kokalekuan urtebetean gutxienez erabilgarri eta atzigarri egongo dela segurtza zuk edizio horren azken kopia Opakoak (zuzenean edo zure agenten eta zure xehekariaren bidez) publikoari banatzen diozenean, kontuan izan dezaketen hasita.</para>

Bestalde, <link linkend="fdl-document">Dokumentu</link>aren kopiak bolumen bitartean birbanatzen hasi aurretik, autoreekin harremanetan jar zaitezten eskatzen zaizun, behartu gabe, Dokumentuaren bertsio eguneratua eman ahal izan diezazuten.</para>

ALDAKETAK</title>

Bertsio aldatua</link> kopiatu eta banatu dezakezu baldin eta hemen goiko <link linkend="fdl-section2">2</link> eta <link linkend="fdl-section3">3</link> ataletako baldintzak betetzen badituzu, kontuan izanik betiere Bertsio aldatua Lizentzia honen pean banatu behar duzula, Bertsio aldatua izanik Dokumentuaren funtzioa beteko duena, eta, beraz, Bertsio aldatua banatzeko edo aldatzeko baimena eman behar diozula kopia bat duen edonori. Horrez gainera, honako hauek egin behar dituztu Bertsio Aldatuan:</para>

<Titulo-orri/>an (eta azaletan, azalik badu) <link linkend="fdl-document">Dokumentu</link>aren bost egile nagusien izena jarri behar duzu, eta, horrekin batera, <link linkend="fdl-document">Dokumentu</link>aren bost egile nagusien izena gutxienez (eta bost
baino gutxiago badira, guztiena).</para>

</listitem>

</listitem>

<para><link linkend="fdl-title-page">Titulu-orri</link>an <link linkend="fdl-modified">Bertsio</link> aldatuaren argitaratzailearen izena jarri behar duzu, argitaratzaile gisa.</para>

</listitem>

</listitem>

<para><link linkend="fdl-document">Dokumentu</link>aren copyright-ohar guztiak gorde behar dituzu.</para>

</listitem>

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<para>Zure aldaketei dagokien copyright-oharra gehitu behar duzu beste copyright-oharren ondoan.</para>

</listitem>

</listitem>

<para>Copyright-oharren jarraian, lizentzia-ohar bat ipini behar duzu, jendeari baimena emateko <link linkend="fdl-modified">Bertsio aldatua</link> erabil dezan Lizentzia horren baldintzen pean, beheko Eranskinean azaltzen den bezala.</para>

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<para>Lizentzia-ohar horretan <link linkend="fdl-document">Dokumentu</link>aren lizentzia-oharrean <link linkend="fdl-invariant">Atal aldaezin</link> eta jarri beharreko <link linkend="fdl-cover-texts">Azaleko testu</link> guztien zerrenda gorde behar duzu.</para>

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<para>Lizentzia honen kopia ere, aldaketarik gabe jarri behar duzu.</para>

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<para><quote>Historia</quote> izeneko atala gorde behar duzu, baita bere tituluare ere, eta gutxienez <link linkend="fdl-modified">Bertsio aldatuaren</link> izenburua, urteoa, autore berriak eta argitaratzailea aipatuko dituen elementu bat gehitu behar diozu, <link linkend="fdl-title-page">Titulu-orri</link> an agertzen den bezala. <quote>Historia</quote> izeneko atalak ez badago <link linkend="fdl-document">Dokumentu</link> an, zeuk sortu beharko duzu, Dokumentuaren tituluua, urteoa, autoreak eta argitaratzailea adierazteko Dokumentuaren Titulu-orrian agertzen den bezala, eta, gainera, Bertsio aldatua deskribatzeko beste elementu bat gehitu beharko duzu aurreko esaldian azaldutako moduan.</para>

</listitem>

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<para>Dokumentuaren kopia <link linkend="fdl-transparent">Gardena</link> publikoki atzitzeko <link linkend="fdl-document">Dokumentu</link> an ematen den sare-helbidea (helbiderik ematen bada) gorde behar duzu, eta, era berrak, Dokumentuaren oinarri izar diren aurreko bertsioentzat ematen diren sare-helbideak ere bai. Helbide horiek <quote>Historia</quote> atalean sar daitezke. Sarre-helbideak ez dira nahitaez jarri behar, Dokumentua bera baino gutxienez lau urte lehenago argitaratutako lanari dagokionak baldin badira, edo
horretarako baimena ematen badu bertsioaren jatorrizko argitaratzaileak. </para>

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<para>quote>Ekertzak</quote> edo quote>Eskaintzak</quote> izeneko edozen atalatan, atalaren tituluaren gorde behar da, eta ataleko ekzertza edota eskaintza bakoitzean egileak darabilen gai eta tonua errespetatuz behar dira.</para>

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<para>Errespetatu <link linkend="fdl-document">Dokumentu</link>aren <link linkend="fdl-invariant">Atal aldaezin</link> guztiak, testuak eta tituluak batere aldatu gabe. Atal-zenbakiak edo haien baliokideak ez dira atalaren tituluaren zatitzat hartzen.</para>

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</listitem>

<para>Ezabatuz <quote>Oniritziak</quote> titulua duen edozein atala. Horrelako etxeko bertsioaren barruan egon.</para>

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<para>Lehendik dagoen atala ez jarri <quote>oniritziak</quote> titulua ez eta <link linkend="fdl-modified">Aldatutako bertsio</link>aren barruan egon.</para>

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<para>quote>Oniritziak</quote> titulua duen atala gehi dezakezu, baldin eta zure <link linkend="fdl-modified">Bertsio aldatu</link>ari buruz alderdiek emandako oniritziak soilik biltzen badira, eta ez beste ezer -- adibidez, adituek egindako ikuskatzea edo erakunde batek testua estandaritzat onartu duela, eta abar--. </para>

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</listitem>

<para>Gehienez bost hitz dituen pasartea gehi dezakezu <link linkend="fdl-cover-texts">Aurreko azaleko testu</link> gisa, eta gehienez 25 hitzeko pasartea <link linkend="fdl-cover-texts">Atzeko azaleko testu</link> gisa <link linkend="fdl-modified">Bertsio aldatu
are</link> <link linkend="fdl-cover-texts">Azaleko testu</link> en zerrendaren bukaeren. Aurreko azaleko testu bakar bat eta Atzeko azaleko testu bat gehi daiteke entitate baten bidez (edo entitate batek egindako egokitxapenez bidez). Dagoeneko <link linkend="fdl-document">Dokumentu</link> ak azaleko testua baldin badauka azal berarentzat, aurretik zuk edo zu ordezkatzitaz sortzen entitateak gehitutakoak, ezingo duzu beste testurik gehituz, baina nahi izanez gero, lehendik dagoena ordeztu dezakezu, testu zaharra gehitu zuen argitaratzailearen baimen esplizitua baldin baduzu.</para>

</listitem>

</listitem>

<para>Lizentzia honen bidez <link linkend="fdl-document">Dokumentu</link>aren autoreak (edo autoreek) eta argitaratzaileak (edo argitaratzaileen) ez dute baimenik ematen hain izenen publizitatean erabiltzeko edo <link
Bertsio aldatu

DOKUMENTUAK KONBINATZEA

Lizentzia honen pean argitaratutako beste dokumentu batzuekin konbina dezakezu. Dokumentuak, goian, biltzen diren baldintzak betetzen badituzte eta konbinatzearen jatorrizko dokumentuen linketik aldatu gabe eta guztiak jatorrizko dokumentuei zerrendatuta zure lan konbinatuaren lizentzi-oharrean.

Lan konbinatuak Lizentzia honen kopia bakarra baino ez du behar, eta hainbat linketik aldatu gabe eta hainbat Atal aldaezin berdin badaude, kopia bakarrarekin ordeztu daitezke. Izen bera baina eduki ezberdina duten hainbat Atal aldaezin baldin badaude, etatxo konbinaudi bakoitza tituluak desberdindu eta titulu bakar bihur ezazu, bukaeran autorearen edo argitaratzailearen izena jarriz parentesi artean, edo errepikatzen ez den zenbaki bat. Egin ezazu egokitzapen bera Atal aldaezinen zerrendako aldatu-guztia tituluetan, lan konbinatuaren lizentzi-oharrean.


DOKUMENTU-BILDUMAK

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LAN INDEPENDENTEAK GAINERATZEA

Dokumentua edo dokumentuaren eratorriak beste dokumentu edo lan bereizi batzuekin batera elkartzea --biltegi-bolumen batean edo banaketarako euskarri batean-- ez da. Bertxio aldatu! Izan joten bere osotasunean, non eta ez den konpilazioarengatik konpilazio-copyrightik eskatzen. Horrelako konpilazioi <quote>agregazio</quote> esaten zaie, eta Lizentzia haus eta aldatu aplikatuko Dokumentuarekin batera konpilazioan sartutako gainera lanei, konpilazioan...
sartu izanagatik bakarrik, baldin eta ez badira Dokumentuaren lan eratorriak. <link linkend="fdl-cover-texts">Azaleko testu</link>ari dagokion <link linkend="fdl-section3">3. ataleko</link> betebeharra Dokumentuaren kopia hauei aplikatzerik baldin badago, Dokumentua agregazioaren barnean biltzen duten azaletan bakarrik jar daitezke Azaleko testuak Dokumentua agregazio osoaren laurdena baino txikiagoa bada. Bestela, agregazio osoa inguratzen duten azaletan jarri behar dira testu horiek.</para>

</sect1>

<sect1 id="fdl-section8" label="8">
<title>ITZULPENA</title>
</sect1>

<sect1 id="fdl-section9" label="9">
<title>AMAIERA</title>
<para>Lizentzia honen baitan espresuki adierazitakoa betetzen ez bada, debekatuta dago <link linkend="fdl-document">Dokumentua</link> kopiatzea, aldatzea, azpilizentziatzea edo banatzea. Dokumentua beste edozein eratan kopiatu, aldatu, azpilizentziatu edo banatzeko saio oro deuseza izango da, eta Lizentzia honen ematen dizkizun eskubideak automatikoki kenduako zaizkizuen. Dena den, Lizentzia honen pean zuregandik kopiak edo eskubideak jasotzatenei ez zaizkie Lizentziak kenduko, baldintza guztiak betetzen dituzten bitartean.</para>
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<sect1 id="fdl-section10" label="10">
<title>LIZENTZIA HONEN ETORKIZUNEKO BERRIKUSPENAK</title>
</sect1>

<sect1 id="fdl-using" label="none">
<title>Eranskina</title>
<para>Zuk idatzitako dokumentu batean Lizentzia hau erabiltzeko, jar ezazu Lizentziaren kopia bat dokumentuan, eta titulu-orriaren jarraian, berriz, copyrighta eta lizentzia-ohar hauek:</para>

<blockquote>

</blockquote>
Copyright URTEA ZURE IZENA.</para>

Baimena ematen da dokumentu hau kopiatu, banatu eta/edo aldatzeko Free Software Foundation-ek argitaratutako GNU Dokumentazio Librearen Lizentziaren 1.1. bertsioan edo berriago batean ezarritako baldintzak betetzen badira; <link linkend="fdl-invariant">Atal Aldaezin</link> hauekin: ZERRENDATU TITULUAK, <link linkend="fdl-cover-texts">Aurreko azal</link>eko testu hauekin: IDATZI ZERRENDA, eta <link linkend="fdl-cover-texts">Atzeko azal</link>eko testu hauekin: IDATZI ZERRENDA. Lizentziaren kopia bat aurkituko duzu <quote>GNU Dokumentazio Librearen lizentzia</quote> atalean. (para)

</blockquote>

<para><link linkend="fdl-invariant">Atal aldaezinik ez baduzu, idatzi <quote>Atal aldaezinik gabe</quote> aldaezinak zein diren adierazi beharrean. Ez baduzu <link linkend="fdl-cover-texts">Aurreko azaleko testu</link> rik, idatzi <quote>Aurreko azaleko testurik gabe</quote> <quote>Aurreko azaleko testu hauekin: ZERRENDATU</quote> jarri beharrean, eta gauza bera <link linkend="fdl-cover-texts">Atzeko azaleko testu</link> ekin.</para>


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http://developer.gnome.org/projects/gdp
Version: 1.0.1
Last Modified: Dec 16, 2000
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Los terminos precisos y las condiciones para la copia, distribucion y modificacion se exponen a continuacion.

Esta Licencia se aplica a cualquier programa u otro tipo de obra que contenga una notificacion colocada por el propietario del copyright diciendo que puede distribuirse bajo los terminos de esta Licencia Publica General. El Programa, en adelante, se referir a cualquier programa u obra, y obra basada en el Programa se referir bien al Programa o a cualquier trabajo derivado de l segun la ley de derechos de autor (copyright). Esto es, una obra o trabajo que contenga el programa o una porcion de l, bien en forma literal o con modificaciones y/o traducido en otro lenguaje. Aqu y despus, la traduccion est incluida sin limitacion en el termino modificacion. Cada concesionario (licenciatario) ser denominado usted.

Cualquier otra actividad que no sea la copia, distribucion o modificacion no est cubierta por esta Licencia, est fuera de su ambito. El acto de ejecutar el Programa no est restringido, y los resultados del Programa estn cubiertos nicamente si sus contenidos constituyen un trabajo basado en el Programa, independientemente de haberlo producido mediante la ejecucion del programa. El que esto se cumpla, depende de lo que haga el programa.

Usted puede copiar y distribuir copias literales del codigo fuente del Programa, segun lo has recibido, en cualquier medio, supuesto que de forma adecuada y bien visible publique en cada copia un anuncio de copyright.
adecuado y un repudio de garanta, mantenga intactos todos los anuncios que se refieran a esta Licencia y a la ausencia de garanta, y proporcione a cualquier otro receptor del programa una copia de esta Licencia junto con el Programa.</para>

</para>

</sect2>

</sect2 id="sect2" label="2">
<title>Seccin 2</title>

<puede cobrar un precio por el acto fisico de transferir una copia, y puede, segun su libre albedrio, ofrecer garanta a cambio de unos honorarios. </p>

</sect2>

</sect2 id="sect2" label="2">
<title>Seccin 2</title>

<puede modificar su copia o copias del Programa o de cualquier porcin de l, formando de esta manera un trabajo basado en el Programa, y copiar y distribuir esa modificacin o trabajo bajo los trminos de la anterior, probado que adems usted cumpla con todas las siguientes condiciones:</p>

<listitem>
<p>Debe hacer que los ficheros modificados lleven anuncios prominentes indicando que los ha cambiado y la fecha de cualquier cambio.</p>

</listitem>

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</listitem>

</sect2 id="sect2" label="2">
<title>Seccin 2</title>

<p>Debe hacer que cualquier trabajo que distribuya o publique y que en todo o en parte contenga o sea derivado del Programa o de cualquier parte de l sea licenciada como un todo, sin carga alguna, a todas las terceras partes y bajo los trminos de esta Licencia.</p>

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</sect2 id="sect2" label="2">
<title>Seccin 2</title>

<p>Si el programa modificado normalmente lee comandos interactivamente cuando se ejecuta, debe hacer que cuando comience su ejecucin para dicho uso interactivo de la forma ms habitual, muestre o imprima por pantalla un mensaje que incluya un anuncio de copyright y un anuncio de que no se ofrece ninguna garanta (o por el contrario, diciendo que usted proporciona garanta) y que los usuarios pueden redistribuir el programa bajo estas condiciones, e indicando al usuario cmo ver una copia de esta Licencia.</p>

<note>
<title>Excepcin:</title>

<p>Si el propio Programa es interactivo pero normalmente no muestra ese anuncio, no se requiere que su trabajo basado en el Programa muestre ningn anuncio.</p>

</note></para>

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</sect2 id="sect2" label="2">
<title>Seccin 2</title>

<p>Estos requisitos se aplican al trabajo modificado como un todo. Si partes identificables de ese trabajo no son derivadas del Programa, y pueden, razonablemente, ser consideradas trabajos independientes y separados por ellos mismos, entonces esta Licencia y sus trminos no se aplican a esas partes cuando sean distribuidas como trabajos separados. Pero cuando distribuya esas mismas secciones como partes de un todo que es un trabajo basado en el Programa, la distribucin del todo debe ser segn los trminos de esta licencia, cuyos permisos para otros licenciatarios se extienden al todo completo, y por lo tanto a todas y cada una de sus partes, con independencia de quin la escribi.</p>

</sect2 id="sect2" label="2">
<title>Seccin 2</title>

<p>Por lo tanto, no es la intencin de este apartado reclamar derechos o desafiar sus derechos sobre trabajos escritos totalmente por usted mismo. El intento es ejercer el derecho a controlar la distribucin de trabajos derivados o colectivos basados en el Programa.</p>

</para>
Además, el simple hecho de reunir un trabajo no basado en el Programa con el Programa (o con un trabajo basado en el Programa) en un volumen de almacenamiento o en un medio de distribución no hace que dicho trabajo entre dentro del ámbito cubierto por esta Licencia.


Puede copiar y distribuir el Programa (o un trabajo basado en l, según se especifica en la Sección 2), como código objeto o en formato ejecutable según los términos de las Secciones 1 y 2 mencionadas antes en un medio habitualmente utilizado para el intercambio de software, o,

Acompañarlo con el código fuente leible completo correspondiente, leible por máquinas, que debe ser distribuido según los términos las Secciones 1 y 2 mencionadas antes en un medio habitualmente utilizado para el intercambio de software, o,

Acompañarlo con una oferta por escrito, válida durante al menos tres años, de proporcionar a cualquier tercera parte una copia completa en formato electrónico del código fuente correspondiente, a un coste no mayor que el de realizar físicamente la distribución del fuente, que ser distribuido bajo las condiciones descritas en los apartados 1 y 2 anteriores, en un medio habitualmente utilizado para el intercambio de programas, o,

Acompañarlo con la información que recibiste ofreciendo distribuir el código fuente correspondiente. (Esta opción se permite sólo para distribuir no comercial y sólo si usted recibió el programa como código objeto o en formato ejecutable con tal oferta, de acuerdo con la Subsección b anterior).

Por código fuente de un trabajo se entiende la forma preferida del trabajo cuando se le hacen modificaciones. Para un trabajo ejecutable, se entiende por código fuente completo todo el código fuente para todos los módulos que contiene, ms cualquier fichero asociado de definición de interfaces, ms los guiones utilizados para controlar la compilación e instalación del ejecutable. Como excepción especial el código fuente distribuido no necesita incluir nada que sea distribuido normalmente (bien como fuente, bien en forma binaria) con los componentes principales (compilador, núcleo y similares) del sistema operativo en el cual funciona el ejecutable, a no ser que el propio componente acompañe al ejecutable.

Si la distribución del ejecutable o del código objeto se hace mediante la oferta acceso para copiarlo de un cierto lugar, entonces se considera la oferta de acceso para copiar el código fuente del mismo lugar como distribución del código fuente, incluso aunque terceras partes no estén forzadas a copiar el fuente junto con el código objeto.

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<sect2 id="sect5" label="5">
<title>Seccin 5</title>

<para>No est obligado a aceptar esta licencia, ya que no la ha firmado. Sin embargo, no hay nada que le proporcione permiso para modificar o distribuir el Programa o sus trabajos derivados. Estas acciones estn prohibidas por la ley si no acepta esta Licencia. Por lo tanto, si modifica o distribuye el Programa (o cualquier trabajo basado en el Programa), est indicando que acepta esta Licencia para poder hacerlo, y todos sus trminos y condiciones para copiar, distribuir o modificar el Programa o trabajos basados en l.</para>

</sect2>

<sect2 id="sect6" label="6">
<title>Seccin 6</title>

<para>Cada vez que redistribuya el Programa (o cualquier trabajo basado en el Programa), el receptor recibie automáticamente una licencia del licenciatario original para copiar, distribuir o modificar el Programa, de forma sujeta a estos trminos y condiciones. No puede imponer al receptor ninguna restriccin ms sobre el ejercicio de los derechos aqui garantizados. No es usted responsable de hacer cumplir esta licencia por terceras partes.</para>

</sect2>

<sect2 id="sect7" label="7">
<title>Seccin 7</title>

<para>Si como consecuencia de una resolucin judicial o de una alegacin de infraccin de patente o por cualquier otra razn (no limitada a asuntos relacionados con patentes) se le imponen condiciones (ya sea por mandato judicial, por acuerdo o por cualquier otra causa) que contradigan las condiciones de esta Licencia, ello no le exime de cumplir las condiciones de esta Licencia. Si no puede realizar distribuciones de forma que se satisfagan simultaneamente sus obligaciones bajo esta licencia y cualquier otra obligacin pertinente entonces, como consecuencia, no puede distribuir el Programa de ninguna forma. Por ejemplo, si una patente no permite la redistribucin libre de derechos de autor del Programa por parte de todos aquellos que reciban copias directa o indirectamente a travs de usted, entonces la nica forma en que podra satisfacer tanto esa condicin como esta Licencia sera evitar completamente la distribucin del Programa.</para>

<para>Si cualquier porcin de este apartado se considera no vlida o imposible de cumplir bajo cualquier circunstancia particular ha de cumplirse el resto y la seccin por entero ha de cumplirse en cualquier otra circunstancia.</para>

<para>No es el propuesto de este apartado inducirle a infringir ninguna reivindicacin de patente ni de ningn otro derecho de propiedad o impugnar la validez de ninguna de dichas reivindicaciones. Este apartado tiene el nico propuesto de proteger la integridad del sistema de distribucin de software libre, que se realiza mediante prcticas de licencia pblica. Mucha gente ha hecho contribuciones generosas a la gran variedad de software distribuido mediante ese sistema con la confianza de que el sistema se aplicar consistentemente. Ser el autor/donante quien decida si quiere distribuir software mediante cualquier otro sistema y una licencia no puede imponer esa eleccin.</para>
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all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

<para>

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<para>

</sect2>

<sect2 id="sect1" label="1">
<title>1</title>
<para>You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.
</para>

</para>

</sect2>

<sect2 id="sect2" label="2">
<title>2</title>
<para>You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of <link linkend="sect1">Section 1</link> above, provided that you also meet all of these conditions:

<orderedlist numeration="loweralpha">
<li> The modified work must itself be a software library.
</li>
</orderedlist>

</para>

</sect2>
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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If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

<para>
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.
</para>

<listitem>
<para>
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</para>
</listitem>

<para>
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</para>

<para>
You may copy and distribute the Library (or a portion or derivative of it, under <link linkend="sect2">Section 2</link>
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must be distributed under the terms of Sections <link linkend="sect1">1</link> and <link linkend="sect2">2</link> above on a medium customarily used for software interchange.

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

A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a <quote>work that uses the Library</quote>. 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 <quote>work that uses the Library</quote> with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a <quote>work that uses the library</quote>. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a <quote>work that uses the Library</quote> 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 <link linkend="sect6">Section 6</link>.)

</para>

<para>
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of <link linkend="sect6">Section 6</link>. Any executables containing that work also fall under <link linkend="sect6">Section 6</link>, whether or not they are linked directly with the Library itself.
</para>

</sect2>

<sect2 id="sect6" label="6">
<title>6</title>

<para>
As an exception to the Sections above, you may also combine or link a <quote>work that uses the Library</quote> 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.
</para>

<para>
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:

<orderedlist numeration="loweralpha">
<li>
<para id="sect6a">
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 <link linkend="sect1">1</link> and <link linkend="sect2">2</link> above); and, if the work is an executable linked with the Library, with the complete machine-readable <quote>work that uses the Library</quote>, 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.)
</para>
</listitem>
</listitem>

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.
</para>
</listitem>
</listitem>

Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in <link linkend="sect6a">Subsection 6a</link>
, above, for a charge no more than the cost of performing
this distribution.
</para>
</listitem>
</listitem>

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.
</para>
</listitem>
</listitem>

Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
</para>
</listitem>
</listitem>
</orderedlist>

For an executable, the required form of the <quote>work that uses the
Library</quote> 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.
</para>

<para>
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.
</para>

</sect2>

<sect2 id="sect7" label="7">
<title>7</title>

<para>
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:
</para>

<orderedlist numeration="loweralpha">
<li>
<para>
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.
</para>
</li>
<li>
<para>
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.
</para>
</li>
</orderedlist>
</sect2>

<sect2 id="sect8" label="8">
<title>8</title>

</sect2>
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<releaseinfo>Razliica 2.1, februar 1999</releaseinfo>

<abstract role="description"><para>Licanne pogodbe veine programske opreme so zasnovane tako, da vam prepreujejo njegovo svobodno razirjanje in spreminjanje. Za razliko od teh pa vam Splona dovoljenja GNU (angl. GNU General Public Licenses, GPL) jamijo svobodo pri razirjanju in spreminjanju proste programske opreme ter s tem zagotovljajo, da ostane ta prosta za vse njene uporabnike.</para></abstract>

</articleinfo>

<sect1 id="preamble" label="none">
<title>Predgovor</title>

<para>Licanne pogodbe veine programske opreme so zasnovane tako, da vam prepreujejo njegovo svobodno razirjanje in spreminjanje. Za razliko od teh pa vam Splona dovoljenja GNU (angl. GNU General Public Licenses, GPL) jamijo svobodo pri razirjanju in spreminjanju proste programske opreme ter s tem zagotovljajo, da ostane ta prosta za vse njene uporabnike.</para>

<para>Ko govorimo o prosti programski opremi, imamo s tem v mislih svobodo, ne cene. Splona dovoljenja GNU zagotavlja pravico razirjanja kopij proste programske opreme (in po elji zaraunavati za to storitev); pravico do dostopa do izvorne kode; pravico spreminjanja programske opreme ali uporabljanja njenih delov v novi prosti programski opremi; in seznanjanje z vsemi temi pravicami.</para>

<para>To dovoljenje, Manj splono dovoljenje, se nanaa na nekatere posebej zasnovane programske pakete - navadno knjinice - ustanove Free Software Foundation in na vse druge programe, katerih avtorji so se zavezali k njeni uporabi. Tudi vi ga lahko uporabljate, a najprej vam priporoamo, da glede na razlago spodaj pazljivo razmislite, ali je v doloenem primeru bolje uporabljati to dovoljenje ali morda navadno Splono dovoljenje.</para>

<para>Ko govorimo o prosti programski opremi, imamo s tem v mislih svobodo, ne cene. Splona dovoljenja GNU zagotavlja pravico razirjanja kopij proste programske opreme (in po elji zaraunavati za to storitev); pravico do dostopa do izvorne kode; pravico spreminjanja programske opreme ali uporabljanja njenih delov v novi prosti programski opremi; in seznanjanje z vsemi temi pravicami.</para>

<para>Na primer, e razirjate kopije neke knjinice, bodisi zastonj ali za plailo, morate dati prevajalnicu pravico za uporabo vseh informacij, ki jih imate sami. Prepriati se morate, da bodo tudi oni prejeli ali imeli dostop do izvorne kode. e knjinico povezujete drugo kodo, morate prevajalniku ponuditi popolne objekte datoteke, tako da daje pravno dovoljenje ali preveejo. In morate jim pokazati te pogoje (pravzaprav izvirnik, opomba prevajalca), da bodo znali svoje pravice.</para>

<para>Vae pravice itimo v dveh potezah: (1) avtorsko zaitimo knjinice in (2) vam ponujamo to dovoljenje, ki vam daje pravno dovoljenje za razmnoevanje, razirjanje in/ali spreminjanje knjinice.</para>

<para>Prav tako, za zaito vsakega avtorja in zaradi nae zaite elimo zagotoviti, da vsakdo razume, da za to prosto
programsko opremo ni nobenega jamstva. e je programsko opremo spremenil nekdo drug in ga posredoval naprej, elimino, da njegovi prejemniki vedo, da to, kar imajo, ni izvirnik, zato da se problemi, ki jih povzročijo drugi, ne bodo odrašli na ugledu izvornega avtorja. Zaradi zaite vsakega razrirjevalca elimino zagotoviti, da vsakdo razume, da za to prosto knjino ni nikakrnega jamstva. e je knjino spremenil nekdo drug in jo posredoval naprej, elimino, da njeni prejemniki vedo, da to, kar imajo, ni izvirnik, da problemi, ki jih povzročijo drugi, ne bodo kvarili ugleda izvornega avtorja.</para>

<Konno, vsak prost program nenehno ogroajo programski patenti. elimino se izogniti nevarnosti, da bi podjetja unkovito omejevala uporabnike prostega programa s pridobivanjem omejujoih licenc od lastnikov patentov. Za prepreitev tega jasno zahtevamo, da mora biti vsak patent za katerokoli izpeljano razliico knjino licenciran tako, da je popolnoma konsistent s popolno svobodo rabe, kot jo doloa to dovoljenje.</para>

<Veino programja GNU, vkljuno z nekaterimi knjincami, pokriva navadno Splono dovoljenje GNU. To dovoljenje, Manj splono dovoljenje GNU, se nanaa na doloene posebne knjino, in se precej razlikuje od navadnega Splonega dovoljenja. To dovoljenje uporabljamo za tiste knjino, za katere elimino omogoiti tudi povezovanje v neproste programe.</para>

<Ko se program povee s knjino, najsibo statino ali pa s pomojo deljene knjino, je kombinacija obojega skupaj, pravno gledano, zdrueno delo, izpeljanka izvirne knjino. Navadno Splono dovoljenje torej dovoljuje takno povezovanje le, e celotna kombinacija zadoa prav tam doloenim kriterijem svobode. Manj splono dovoljenje dovoljuje bolj ohlapne pogoje za povezovanje druge kode s knjino.</para>

<Tem dovoljenju pravimo &quot;Manj&quot; splono dovoljenie, saj manj zavaruje svobodo uporabnika kot pa navadno Splono dovoljenje. Drugim razvilcem prostega programja tudi ponuja manj prednosti pred konkurenzni neprosto programi. Te pomanjkljivosti so razlog, da smo za tevilne knjino uporabili navadno Splono dovoljenje. Vendar Manj splono dovoljenje v doloenih pogojih pomeni prednost.</para>

<Denimo, da v redkih primerih obstaja posebna potreba spodbuditi kar najiro rabo doloene knjino, da bi ta postala de-facto standard. Da lahko to doseemo, mora biti neprostim programom dovoljeno uporabljati to knjino. Pogosteje se zgodi, ki prosta knjino opravi enako delo kot iroko uporabljane neproste knjino. V tem primeru pridobimo le malo, e omejimo rabo proster knjino le na prosto programje, zato raje uporabimo Manj splono dovoljenje.</para>

<V drugih primerih dovoljenje rabe doloene knjino v neprostenih programih omogoje vejemu tevilu ljudi, da uporabljajo veji obseg prostega programja. Dovoljenje za uporabo knjino GNU C v neprostenih programih je, denimo, omogoito mnogim ljudem, da so uporabljali popoln operacijski sistem GNU, kot tudi njego inaico, operacijski sistem GNU/Linux.</para>

<prav Manj splono dovoljenje manj zaiti uporabnikovo svobodo, pa vendarle zagotavlja, da ima uporabnik programa, ki je povezan s knjino, proste roke pri poganjanju tega programa s spremenjeno razliico te knjino.</para>

<Sledijo natanne doloitve in pogoji za razmnoevanje, razriranje in spreminjanje. Pozorni bodite na razliko med &quot;delom, ki temelji na knjino&quot; in &quot;delom, ki uporablja knjino.&quot; Prvo vsebuje kodo, izpeljano iz knjino, medtem, ki mora biti drugo kombinirano s knjino, da lahko tee.</para>

</sect1>
<sect1 id="terms" label="none">
<title>DOLOILA IN POGOJI ZA RAZMNOEVANJE, RAZIRJANJE IN SPREMINJANJE</title>

<sect2 id="sect0" label="0">
<title>Razdelek 0</title>

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<para><quote>Knjinica</quote> pomeni zbirko programskih funkcij in/ali podatkov, pripravljenih tako, da jih je mo priorno povezovati z uporabnimi programi (ki uporabljajo nekatere teh funkcij in podatkov), da s tem oblikujemo izvedljive datoteke.</para>

<para><quote>Knjinica</quote> v nadaljevanju pomeni vsako takno programsko knjinico ali delo, ki se razirja pod temi pogoji. <quote>Delo, ki temelji na knjinici</quote> pomeni bodisi knjinico ali pa katerokoli izvedeno delo po zakonu o avtorski in sorodnih pravicah (angl. copyright law): se pravi delo, ki vsebuje knjinico ali njen del, bodisi dobesedno ali s spremembami in/ali prevedeno v drug jezik. (Tukaj in povsod v nadaljevanju je prevod vkljuen brez omejitve v pojem <quote>spremembe</quote>.)</para>

<para><quote>Izvorna koda</quote> pri delih pomeni obliko dela, najprimernejo za izdelavo sprememb. Pri knjinici pomeni izvorna koda vse module, ki jih vsebuje, poleg tega pa e morebitne datoteke z definicijami vmesnika, povezanega s tem delom, ter skripte za nadzor prevajanja in namestitev knjinice.</para>

<para>Dovoljenje ne pokriva nobenih drugih dejavnosti razen razmnoevanja, razirjanja in spreminjanja; ostale so izven njegovega dosegka. Dejanje zagona programa z uporabo knjinice ni omejeno in odvodni zapis programa je zajet le, e njegova vsebina predstavlja delo, ki je izpeljano iz knjinice (ne glede na to, da je bila pri orodju za njegovo napisanje uporabljena knjinica). Ali je to res ali ne, je odvisno od tega, kaj knjinica dela in kaj dela program, ki knjinico uporablja.</para>

</sect2>

<sect2 id="sect1" label="1">
<title>Razdelek 1</title>

<para>Dovoljeno je razmnoevati in razirjati dobesedne izvode izvorne kode programa v enaki obliki, kot jo dobite, preko kateregakoli nosilca, e je le na vsakem izvodu razlono in primerno objavljeno obvestilo o pravicah razirjanja in zanikanje jamstva; vsa obvestila, ki se nanaajo na to dovoljenje in odsotnost vsaknega jamstva pustite nedotaknjena; in da prejmejo vsi drugi prejemniki programa poleg programa e izvod tega dovoljenja. Razmnojevante in razirjate lahko dobesedne izvode izvorne kode knjinice v enaki obliki, kot jo dobite, preko kateregakoli medija, e le na vsakem izvodu razlono in primerno objavljeno obvestilo o pravicah razirjanja in zanikanju jamstva; vsa obvestila, ki se nanaajo na to dovoljenje in odsotnost vsaknega jamstva pustite nedotaknjena; in da prejmejo vsi drugi prejemniki programa poleg programa e izvod tega dovoljenja.</para>

<para>Za fizino dejanje prenosa kopije lahko zaraunavate in po vai presoji lahko ponudite garancijsko zaito v zameno za plailo.</para>

</sect2>

<sect2 id="sect2" label="2"/>
Dovoljeno je spreminjati svoj izvod ali izvode knjiginica ali katerega koli njenega dela, in tako narediti delo, ki temelji na knjiginici, ter razmnoevati in razirjati takne spremembe ali dela pod pogoji zgornjega razdelka 1, e je zadoeno tudi vsem naslednjim pogojem: 

- Spremenjeno delo mora biti programska knjiginica.
- Zagotovitev morate, da je celotno delo brezplano licencirano tretjim osebam pod pogoji te licence.
- Zagotoviti je treba, da spremenjene datoteke nosijo vidna obvestila o tem, da so spremenjena, in datum vsake spremembe.
- Spremenjene datoteke morajo nositi obvestila o tem, da so spremenjene, in datum vsake spremembe.
- Zagotovite morate, da je celotno delo brezplano licencirano tretjim osebam pod pogoji te licence.
- Zagotovite morate, da je celotno delo brezplano licencirano tretjim osebam pod pogoji te licence.
- Zagotovite morate, da je celotno delo brezplano licencirano tretjim osebam pod pogoji te licence.

(Funkcija, ki v neki knjiginici skrbi za izraun kvadratnih korenov, ima namen, ki je popolnoma dobro definiran in neodvisen od programa. Podrazdelek 2. d. torej zahteva, da katerakoli funkcija ali tabela, ki jo glavni program ponuja tej funkciji, ni obvezna za pravilno delovanje funkcije za izrauna kvadratnih korenov.)

Te zahteve se nanaajo na spremenjeno delo kot celoto. e razdelki tega dela, ki jih je mogo po prepoznati, niso izpeljani iz knjiginice in jih je mogo po prepoznati kot neposredno in loena dela, potem to dovoljenje in njegova dolgoza za te razdelke ne velja, e jih razirjate kot loena dela. A e razirjate iste razdelke kot dele celote, ki je delo, ki temelji na knjiginici, mora biti razirjena celota izvedeno pod pogoji tega dovoljenja, katerega dovoljenja uporabljate za druge uporabnike dovoljenja se razirijo na vso celoto, in torej na vsak njen del, ne glede na to, kdo ga je napisal.

Namen tega razdelka torej ni, da bi zanikal ali spodbijal vahe pravice do dela, ki ste ga v celoti napisali sami; namesto tega je namen razdelka raziriti pravico nadzora nad razirjanjem izpeljanih ali zdruenih del, ki temeljijo na knjiginici.

Poleg tega zgolj uvranje drugega dela, ki ne temelji na knjiginici, poleg knjine ali poleg dela, ki temelji na knjiginici), na enoti nosilca ali mediju za razirjanje, se dovoljenja do drugo delo ne nanaa.

Po elji lahko uporabite namesto tega dovoljenja za dani izvod knjiginice tudi pogoje navadnega Splonega dovoljenja GNU. e elite to storiti, morate spremeniti vsa sklicevanja na to dovoljenje tako, da se, namesto na to...
dovoljenje, sklicujejo na navadno Splono dovoljenje GNU (angl. GNU General Public License) razliice 2. (e obstaja razliica navadnega Splonega dovoljenja GNU tevilke, veje od 2, potem lahko, e tako elite, doloite to tevilko razliice.) V teh obvestilih ne spreminjajte niesar drugega.</para>

<Ko se enkrat zgodi opisana sprememba za dani izvod, je za ta izvod to nepovratno, torej Splono dovoljenje GNU velja tudi za vse nadaljnje izvode in izpeljana dela, ki izvirajo iz tega izvoda.</para>

<Ta monost je uporabna, e elite prepisati del kode knjinice v program, ki ni knjinica.</sect2>

<sect2 id="sect4" label="4">
<title>Razdelek 4</title>

<Knjinico (ali delo, ki temelji na njej, pod doloilo <link linkend="sect2">razdelka 2</link>) je dovoljeno razmnoevati in razirjati v objektni kodi ali izvedljivi obliki pod pogoji zgornjih <link linkend="sect1">razdelkov 1</link> in <link linkend="sect2">2</link>, e jo pospremite s popolno ustrezno strojno berljivo izvorno kodo, ki mora biti razirjana pod pogoji zgornjih razdelkov 1 in <link linkend="sect2">2</link> na nosilcu, navadno uporabljanem za izmenjavo programja.</para>

<Ko se razirjanje objektne kode omogoa s ponujanjem dostopa do izvoda z doloenega mesta, potem pogoju za razirjanje izvorne kode zadoa tudi omogozenie enakega dostopa do izvoda izvorne kode, eprav tretje osebe niso dolne razmnoevati izvorne kode poleg objektne kode.</sect2>

<sect2 id="sect5" label="5">
<title>Razdelek 5</title>

<Program, ki ne vsebuje izpeljanke nobenega dela knjinice, a je zasnovan tako, da deluje s to knjinico tako, da je z njo preveden ali povezan, se imenuje <quote>delo, ki uporablja knjinico</quote>. Tako delo samo po sebi ni iz knjinice izpeljano delo, in torej ni predmet te licence.</para>

<Vendar povezovanje <quote>delo, ki uporablja knjinico</quote> s knjinico naredi izvedljivo datoteko, ki je izpeljanka te knjinice (ker vsebuje dele knjinice), in ne <quote>delo, ki uporablja knjinico</quote>. Izvedljiva datoteka je torej pokrita s to licenco. Pogoje razirjanja taknih programov doloa <link linkend="sect6">razdelek 6</link>.</para>

<e <quote>delo, ki uporablja knjinico</quote> uporablja snov material iz glave, ki je del knjinice, eprav morda izvorna koda ni. Ali je to res je posebej pomembno, e je delo mo povezati brez knjinice, ali pa je delo samo po sebi knjinica. Zakon povsem ne doloa pogojev, pod katerimi to velja.</para>

<e takna objektna datoteka uporablja le numerine parametre, podatkovne strukture in naine dostopa, in male makroukaze in male vkljuene funkcije (dolge deset vrstic ali manj), potem uporaba objektne datoteke ni omejena, ne glede na to, da je pravno gledano to izpeljano delo. (Izvedljive datotek, ki vsebujejo objektno kodo in dele knjinice, e vedno sodijo pod <link linkend="sect6">razdelek 6</link>.)</para>

<e je sicer delo izpeljano iz knjinice, lahko razirjate izvorno kodo dela pod pogoji <link
<sect2 id="sect6" label="6">
<title>Razdelek 6</title>

<Kot izjemo glede na zgornje razdelke lahko tudi kombinirate ali povezujete <quote>delo, ki uporablja knjinico</quote> s knjinico, ki izdela delo, ki vsebuje dele knjnice, in razirjate to delo pod pogoji po vaj izbiri, e ti pogoji dovoljujejo spreminjanje dela za uporabnikovo lastno rabo in obratni ineniring za razhroevanje takih sprememb.</Kot izjemo glede na zgornje razdelke lahko tudi kombinirate ali povezujete <quote>delo, ki uporablja knjinico</quote> s knjinico, ki izdela delo, ki vsebuje dele knjnice, in razirjate to delo pod pogoji po vaj izbiri, e ti pogoji dovoljujejo spreminjanje dela za uporabnikovo lastno rabo in obratni ineniring za razhroevanje takih sprememb.

>Poleg vsakega izvoda dela morate dodati jasno obvestilo, da delo uporablja knjinico in da rabo knjinice doloa ta licence. Oddati morate tudi izvod te licence. e delo med izvajanjem izpisuje pravice razrirjanja, morate med njimi vkljui tudi sporilo o pravicah razrirjanja za knjinico, kot tudi sklic, ki usmerja uporabnika na izvod te licence. Narediti morate tudi eno od teh stvari: <orderedlist numeration="loweralpha">

• Opremite delo s popolno ustrezno strojno berljivo izvorno kodo za knjinico, vkljuno z vsemi spremembami v tem delu (ki mora biti razrirjano pod pogoji zgornjih razdelkov <link linkend="sect1">1</link> in <link linkend="sect2">2</link>); in, e delo ni izvedljivo povezano s knjinico, popolno strojno berljivo <quote>delo, ki uporablja knjinico</quote>, kot objektivno kodo in/ali izvorno kodo, tako da lahko uporabnik spremeni knjinico in potem vnovi pove program, da izdela spremenjeno izvedljivo datoteko, ki vsebuje spremenjeno knjinico. (Razume se, da uporabnik, ki spremeni vsebino definicijskih datotek v knjinici, morda ne bo mogel vnovi prevesti programa, da bi uporabil spremenjene definicije.)

• Za povezovanje s knjinico uporabite primeren mehanizem deljenih knjnic. Primeren mehanizem (1) ob teku uporablja izvod programa, ki e obstaja v uporabnikovem raunalnikem sistemu, namesto, da bi prepisal knjinine funkcije v samo izvedljivo datoteko, in (2) pravilno deluje s spremenjeno razliico knjinice, e jo uporabnik namesti, e je le vmesnik spremenjene razliice zdrujiv z razliico, za katero je bilo delo izdelano.

• Opremite delo s pisno ponudbo, veljavno vsaj tri leta, ki ponuja istemu uporabniku gradi, doloena v zgornjem <link linkend="sect6a">podrazdelku 6a</link>, proti plailu zneska, ki ne presega dejanskih strokov taknega razrirjanja.

• Opremite delo s pisno ponudbo, veljavno vsaj tri leta, ki ponuja istemu uporabniku gradi, doloena v zgornjem <link linkend="sect6a">podrazdelku 6a</link>, proti plailu zneska, ki ne presega dejanskih strokov taknega razrirjanja.

• Preverite, da je uporabnik e prejel izvod teh gradiv ali da ste temu uporabniku izvod e poslali.

• Pri izvedljivem delu mora zahtevana oblika <quote>dela, ki uporablja knjinico</quote> vkljuevati vse podatke in pomone programe, potrebne za ponovno izdelavo izvedljive datoteke iz nje. Vendar - kot posebna izjema
- ni nujno, da razirjano gradivo vključuje vse, kar se navadno razirja (v izvorni ali strojni obliki) z vejimi komponentami (prevajalnik, jedro, itn.) operacijskega sistema, na katerem tee izvedljiva datoteka, razen e ta komponenta spremlja izvedljivo datoteko.</para>

<para>Lahko se zgodi, da te zahteve nasprotujejo licennim omejitvam drugih lastnikih knjic, ki navadno ne spremljajo operacijskega sistema. Takno nasprotovanje pomeni, da jih ne morete uporabljati hkrati s knjicico v izvedljivi datoteki, ki jo boste razirjali.</para>

</sect2>

<sect2 id="sect7" label="7">
<title>Razdelek 7</title>

<para>Dele knjic, ki so dela, temeljna na Knjinici, lahko uvrstite v skupno knjicico z drugimi deli knjic, ki jih ta Licenca ne pokriva, ter razirjate takno kombinirano knjico, e je sicer dovoljno loeno razirjati Knjinico in druge dele knjic, in e naredite naslednji stvari:</para>

<orderedlist numeration="loweralpha">
<li>  
<para>Kombinirano knjico pospremite z izvodom istega dela, ki temelji na Knjinici, brez kakrnikoli dodatnih delov knjice. To se mora razirjati pod pogoji iz zgornjih razdelkov.</para> 
</li>
<li>  
<para>Poleg kombinirane knjice podajte vidno obvestilo, da deli knjic temeljijo na Knjinici, in pojasnite, kje najti ustrezno nekombinirano obliko istega dela.</para> 
</li>
</orderedlist>

</sect2>

<sect2 id="sect8" label="8">
<title>Razdelek 8</title>

<para>Knjice ni dovoljeno razmnoevati, spreminjati, podrejati dovoljenja, jo podrejati razirjati, e to ni izrecno dovoljeno s priujoim dovoljenjem. Vsak sicernji poskus razmnoevanja, spreminjanja, podrejanja dovoljenja, povezovanja ali razirjanja knjice je nien in vam samodejno odvzame pravice, izhajajoce iz tega dovoljenja. Vendar pa se osebam, ki so svoj izvod ali pravice dobile od vas pod tem dovoljenjem, dovoljenje ne prekine, dokler jo v celoti spotujejo.</para>

</sect2>

<sect2 id="sect9" label="9">
<title>Razdelek 9</title>

<para>Ni vam treba sprejeti pogojev dovoljenja, saj ga niste podpisali. Vendar vam brez slednjega ni ne dovoljuje spreminjanja ali razirjanja knjic ali iz nje izpeljanih del. e ne sprejmete tega dovoljenja, so ta dejanja nezakonita. Torej, s spremembo ali razirjanjem knjic (ali kateregakoli dela, ki temelji na knjicici) pokaete svoje strinjanje s tem dovoljenjem in z vsemi njegovimi doloili in pogoji za razmnoevanje, razirjanje ali spreminjanje knjic ali del, ki temeljijo na njej.</para>

</sect2>
Vsaki, ko razirjate knjinico (ali katerokoli delo, ki temelji na knjinici), prejemnik samodejno prejme dovoljenje izvornega izdajatelja dovoljenja (angl. original licensor) za razmnoževanje, razirjanje, povezovanje ali spreminjanje knjinice glede na ta določila in pogoje. Ni dovoljeno vsiljevati nobenih nadaljnjih omejitev izvajanja prejemnikovih pravic, podeljenih tukaj. Niste odgovorni za vsiljevanje strinjanja tretjih oseb s tem dovoljenjem.

e so vam, kot posledica presoje sodia ali suma kritve patenta ali iz katerega koli drugega razloga (ne omejenega zgolj na patentna vprašanja), vsiljeni pogoji (bodisi z odlokom sodia, sporazumom ali drugae), ki nasprotujejo pogojem tega dovoljenja, vas ne odvezujejo spotovanja pogojev tega dovoljenja. e knjinice ne morete razirjati tako, da hkrati zadostite svojim obvezam pod tem dovoljenjem in vsem drugim ustreznim obvezam, potem posledino sploh ne smete razirjati knjinice. Na primer, e patentno dovoljenje ne dovoli razirjanja knjinice brez plačanja avtorskega honorarja vseh, ki prejmejo izvode neposredno ali posredno od vas, potem je edina mona pot, da zadostite temu pogoju in temu dovoljenju, ta, da se v celoti vzdrze razirjanja knjinice.

e se zato, da je neveljaven ali da ga ni mogoe izvajati pod nobenim doloenim pogojem, je miljeno, da velja usmeritev tega razdelka (angl. balance of the section) in razdelek kot celota velja v drugih primerih.

Namen tega razdelka ni, da bi vas napeljeval h kritvi patentov ali drugih trditev lastnitva pravic ali izpodbijal veljavnost katerihkoli taknih trditev; edini namen tega razdelka je itenje integritete sistema razirjanja proste programske opreme, ki je izveden s prakso javnih dovoljenj. Mnogi ljudje so radodarno prispevali k irokemu naboru programske opreme, razirjane preko tega sistema, v upanju na njegovo dosledno izvajanje; od avtorja/dajalca je odvisno, e je pripravljen razirjati programje skozi katerikoli drug sistem, in izdajatelj dovoljenja ne more vsiljevati te izbire.

Ta razdelek namerava temeljito pojasniti, kaj so predvidene posledice preostalega besedila dovoljenja.

e sta razirjanje in/ali uporaba knjinice v doloenih dravah omejena, bodisi zaradi patentov ali avtorsko zaitenih vmesnikov, lahko izvorni lastnik ali lastnica avtorskih pravic, ki postavlja knjinico pod to dovoljenje, doda izrecno zemljevisno omejitev razirjanja, ki izkljuje te drave, tako da je razirjanje dovoljeno le v in med dravami, ki niso na tak nain izkljuene. V takem primeru to dovoljenje vkljuje omejitve, kot da so zapisane v besedilu tega dovoljenja.
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Vsaki razliici je doloena razloevalna tevilka razliice. e knjinc la dol pa tevilko razliice tega dovoljenja, ki se nan a na najo in <quote> na katero koli poznejo razliico</quote>, imate izbiro upotevanja pogojev in doloil bodisi te razliice ali poljubne kasneje razliice, ki jo je izdala ustanova Free Software Foundation. e knjinc a ne dol o tevilke razliice tega dovoljenja, lahko izberete poljubno razliico, ki jo je kdajkoli izdala ustanova Free Software Foundation.


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<releaseinfo>Version 2, Juni 1991</releaseinfo>

<abstract role="description">
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</abstract>

<othercredit class="translator">
   <personname>
      <firstname>Peter Gerwinski</firstname>
   </personname>
   <email>peter@gerwinski.de</email>
</othercredit>
<copyright>
   <year>1996</year>
   <year>2000</year>
   <holder>Peter Gerwinski</holder>
</copyright>

<othercredit class="translator">
   <personname>
      <firstname>Mario Blättermann</firstname>
   </personname>
   <email>mario.blaettermann@gmail.com</email>
</othercredit>
<copyright>
   <year>2008</year>
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   <holder>Mario Blättermann</holder>
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<title>Vorwort</title>
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  <listitem><para>Wir bieten Ihnen diese Lizenz an, die Ihnen das Recht gibt, die Software zu vervielfältigen, zu verbreiten und/oder zu verändern.</para></listitem>
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Es folgen die genauen Bedingungen für die Vervielfältigung, Verbreitung und Bearbeitung:

</sect1>
Bedingungen für die Vervielfältigung, Verbreitung und Bearbeitung

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Andere Handlungen als Vervielfältigung, Verbreitung und Bearbeitung werden von dieser Lizenz nicht berührt; sie fallen nicht in ihren Anwendungsbereich. Der Vorgang der Ausführung des Programms wird nicht eingeschränkt, und die Ausgaben des Programms unterliegen dieser Lizenz nur, wenn der Inhalt ein auf dem Programm basierendes Datenwerk darstellt (unabhängig davon, dass die Ausgabe durch die Ausführung des Programms erfolgte). Ob dies zutrifft, hängt von den Funktionen des Programms ab.

Sie dürfen auf beliebigen Medien unveränderte Kopien des Quelltextes des Programms, wie sie ihn erhalten haben, anfertigen und verbreiten. Voraussetzung hierfür ist, dass Sie mit jeder Kopie einen entsprechenden Copyright-Vermerk sowie einen Haftungsausschluss veröffentlichen, alle Vermerke, die sich auf diese Lizenz und das Fehlen einer Garantie beziehen, unverändert lassen und des weiteren allen anderen Empfängern des Programms zusammen mit dem Programm eine Kopie dieser Lizenz zukommen lassen.

Sie dürfen für den eigentlichen Kopiervorgang eine Gebühr verlangen. Wenn Sie es wünschen, dürfen Sie auch gegen Entgelt eine Garantie für das Programm anbieten.

Sie dürfen Ihre Kopie(n) des Programms oder eines Teils davon verändern, wodurch ein auf dem Programm basierendes Datenwerk entsteht; Sie dürfen derartige Bearbeitungen unter den Bestimmungen von Paragraph 1 vervielfältigen und verbreiten, vorausgesetzt, dass zusätzlich alle im folgenden genannten Bedingungen erfüllt werden: 

- Sie müssen die veränderten Dateien mit einem auffälligen Vermerk versehen, der auf die von Ihnen vorgenommene Modifizierung und das Datum jeder Änderung hinweist.
- Sie müssen dafür sorgen, dass jede von Ihnen verbreitete oder veröffentlichte Arbeit, die ganz oder teilweise von dem Programm oder Teilen davon abgeleitet ist, Dritten gegenüber als Ganzes unter den Bedingungen dieser Lizenz ohne Lizenzgebühren zur Verfügung gestellt wird.
Wenn das veränderte Programm normalerweise bei der Ausführung interaktiv Kommandos einliest, müssen Sie dafür sorgen, da es, wenn es auf dem blichsten Wege für solche interaktive Nutzung gestartet wird, eine Meldung ausgibt oder ausdruckt, die einen geeigneten Copyright-Vermerk enthält sowie einen Hinweis, da es keine Gewährleistung gibt (oder anderenfalls, da Sie Garantie leisten), und da die Benutzer das Programm unter diesen Bedingungen weiter verbreiten dürfen. Auch mu der Benutzer darauf hingewiesen werden, wie er eine Kopie dieser Lizenz ansehen kann. 

Ausnahme:

Wenn das Programm selbst interaktiv arbeitet, aber normalerweise keine derartige Meldung ausgibt, muss Ihr auf dem Programm basierendes Datenwerk auch keine solche Meldung ausgeben.

Diese Anforderungen gelten für das bearbeitete Datenwerk als Ganzes. Wenn identifizierbare Teile des Datenwerkes nicht von dem Programm abgeleitet sind und vernünftigerweise als unabhängige und eigenständige Datenwerke für sich selbst zu betrachten sind, dann gelten diese Lizenz und ihre Bedingungen nicht für die betroffenen Teile, wenn Sie diese als eigenständige Datenwerke weitergeben. Wenn Sie jedoch dieselben Abschnitte als Teil eines Ganzen weitergeben, das ein auf dem Programm basierendes Datenwerk darstellt, dann muss die Weitergabe des Ganzen nach den Bedingungen dieser Lizenz erfolgen, deren Bedingungen für weitere Lizenznehmer somit auf das gesamte Ganze ausgedehnt werden - und somit auf jeden einzelnen Teil, unabhängig vom jeweiligen Autor.

Somit ist es nicht die Absicht dieses Abschnittes, Rechte für Datenwerke in Anspruch zu nehmen oder Ihnen die Rechte für Datenwerke streitig zu machen, die komplett von Ihnen geschrieben wurden; vielmehr ist es die Absicht, die Rechte zur Kontrolle der Verbreitung von Datenwerken, die auf dem Programm basieren oder unter seiner auszugsweisen Verwendung zusammengestellt worden sind, auszublenden.

Ferner bringt auch das einfache Zusammenlegen eines anderen Datenwerkes, das nicht auf dem Programm basiert, mit dem Programm oder einem auf dem Programm basierenden Datenwerk auf ein- und demselben Speicher- oder Vertriebsmedium dieses andere Datenwerk nicht in den Anwendungsbereich dieser Lizenz.

Sie dürfen das Programm (eine darauf basierende Dokumentation gem Paragraph 2) als Objectcode oder in ausführbarer Form unter den Bedingungen der Paragraphen 1 und 2 kopieren und weitergeben - vorausgesetzt, dass Sie außerdem eine der folgenden Leistungen erbringen: 

- Liefern Sie das Programm zusammen mit dem vollständigen zugehörigen maschinenlesbaren Quelltext auf einem für den Datenaustausch blichen Medium aus, wobei die Verteilung unter den Bedingungen der Paragraphen 1 und 2 erfolgen mu. Oder:"
Liefern Sie das Programm zusammen mit einem mindestens drei Jahre lang gültigen schriftlichen Angebot aus, jedem Dritten eine vollständige maschinenlesbare Kopie des Quelltextes zur Verfügung zu stellen - zu nicht höheren Kosten als denen, die durch den physikalischen Kopiervorgang anfallen -, wobei der Quelltext unter den Bedingungen der Paragraphen 1 und 2 auf einem für den Datenaustausch blichen Medium weitergegeben wird. Oder:

Liefern Sie das Programm zusammen mit dem schriftlichen Angebot der Zurverfügungstellung des Quelltextes aus, das Sie selbst erhalten haben. (Diese Alternative ist nur für nicht-kommerzielle Verbreitung zulässig und nur, wenn Sie das Programm als Objectcode oder in ausführbarer Form mit einem entsprechenden Angebot gem Absatz b erhalten haben.)

Oder:

Unter dem Quelltext eines Datenwerkes wird diejenige Form des Datenwerkes verstanden, die für Bearbeitungen vorzugsweise verwendet wird. Für ein ausführbares Programm bedeutet „der komplette Quelltext“: Der Quelltext aller im Programm enthaltenen Module einschließlich aller zugehörigen Modulschnittstellen-Definitionsdateien sowie der zur Compilation und Installation verwendeten Skripte. Als besondere Ausnahme jedoch braucht der verteilte Quelltext nichts von dem zu enthalten, was blicherweise (entweder als Quelltext oder in binärer Form) zusammen mit den Hauptkomponenten des Betriebssystems (Kernel, Compiler usw.) geliefert wird, unter dem das Programm läuft - es sei denn, diese Komponente selbst gehört zum ausführbaren Programm.

Wenn die Verbreitung eines ausführbaren Programms oder von Objectcode dadurch erfolgt, daß der Kopierzugriff auf eine dafür vorgesehene Stelle gewährt wird, so gilt die Gewährung eines gleichwertigen Zugriffs auf den Quelltext als Verbreitung des Quelltextes, auch wenn Dritte nicht dazu gezwungen sind, den Quelltext zusammen mit dem Objectcode zu kopieren.

Sie dürfen das Programm nicht vervielfältigen, verändern, weiterlizenzieren oder verbreiten, sofern es nicht durch diese Lizenz ausdrücklich gestattet ist. Jeder anderweitige Versuch der Vervielfältigung, Modifizierung, Weiterlizenzierung und Verbreitung ist nichtig und beendet automatisch Ihre Rechte unter dieser Lizenz. Jedoch werden die Lizenzen Dritter, die von Ihnen Kopien oder Rechte unter dieser Lizenz erhalten haben, nicht beendet, solange diese die Lizenz voll anerkennen und befolgen.

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Paragraph 6

Jedesmal, wenn Sie das Programm (oder ein auf dem Programm basierendes Datenwerk) weitergeben, erhält der Empfänger automatisch vom ursprünglichen Lizenzgeber die Lizenz, das Programm entsprechend den hier festgelegten Bestimmungen zu vervielfältigen, zu verbreiten und zu veranlassen. Sie dürfen keine weiteren Einschränkungen der Durchsetzung der hierin zugestandenen Rechte des Empfängers vornehmen. Sie sind nicht dafür verantwortlich, die Einhaltung dieser Lizenz durch Dritte durchzusetzen.

Paragraph 7

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Sollte sich ein Teil dieses Paragraphen als ungültig oder unter bestimmten Umständen nicht durchsetzbar erweisen, so soll dieser Paragraph seinem Sinne nach angewandt werden; im brigen soll dieser Paragraph als Ganzes gelten.

Zweck dieses Paragraphen ist nicht, Sie dazu bringen, irgende welche Patente oder andere Eigentumsansprüche zu verletzen oder die Gültigkeit solcher Ansprüche zu bestreiten; dieser Paragraph hat einzig den Zweck, die Integrität des Verbreitungssystems der freien Software zu schützen, das durch die Praxis öffentlicher Lizenzverwirklichung wird. Viele Leute haben großzügige Beiträge zu dem großen Angebot der mit diesem System verbreiteten Software im Vertrauen auf die konsistente Anwendung dieses Systems geleistet; es liegt am Autor/Geber, zu entscheiden, ob er die Software mittels irgendeines anderen Systems verbreiten will; ein Lizenznehmer hat auf diese Entscheidung keinen Einfluss.

Dieser Paragraph ist dazu gedacht, deutlich klarzustellen, was als Konsequenz aus dem Rest dieser Lizenz betrachtet wird.

Paragraph 8

Wenn die Verbreitung und/oder die Benutzung des Programms in bestimmten Staaten entweder durch Patente oder durch urheberrechtlich gesicherte Schnittstellen eingeschränkt ist, kann der Urheberrechtsinhaber, der das Programm unter diese Lizenz gestellt hat, eine explizite geographische Begrenzung der Verbreitung angeben, in der diese Staaten ausgeschlossen werden, so dass die Verbreitung nur innerhalb und zwischen den Staaten erlaubt ist, die nicht ausgeschlossen sind. In einem solchen Fall beinhalten diese Lizenz die Beschränkung, als wie sie in diesem
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Tane odredbe i uslovi za umnoavanje, raspodelu i izmene slede.

<sect1 id="sect0" label="0">
<title>Odeljak 0</title>
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Moete da umnoavate i rasposredljujete verbatim (cd) primerke izvornog kda programa odmah im ga primite, na bilo kom medijumu, uz uslov da upadljivo i na odgovarajui naiv objavite na svakom primerku odgovaraje obavetenje o autorskim pravima i odricanje od garancije; da zadrite netaknuta sva obavetenja koja se odnose na ovu licencu i odsustvo bilo kakve garancije; i da date svim drugim primaocima Programa primerak ove licence uz Program.
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You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License.

Exception:

If the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.
<para>Ovi zahtevi se odnose na izmenjeno delo kao celinu. Ako prepoznatljivi delovi takvog dela nisu izvedeni iz Programa, i mogu biti razumno smatrani nezavisnim i odvojenim delima za sebe, onda se ova Licenca, i njene odredbe, ne odnosi na te delove kada ih raspodeljujete kao odvojena dela. Ali kada raspodeljujete iste delove kao deo celine koja je delo zasnovano na Programu, raspodela celine mora biti pod odredbama ove Licence, ija se ovlaenja za druge licence proiruju na itavu celinu, a time i na svaki i na bilo koji deo bez obzira ko ga je napisao.</para>

</sect2>

<sect2 id="sect3" label="3">
<title>Odeljak 3</title>

<para>Dakle, nije namera ovog odeljka da zahteva prava ili da osporava vaša prava na delo koje ste vi u potpunosti napisali; ve mu je namera da ostvari pravo da kontrolie raspodelu izvedenih ili zajednicih dela zasnovanih na Programu.</para>

</sect2>

<sect2 id="sect4" label="4">
<title>Odeljak 4</title>

<para>You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

<orderedlist numeration="loweralpha">
<li><para>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; or,
</para></li>
<li><para>Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
</para></li>
</orderedlist>
</sect2>
Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

</para>
</listitem>
</orderedlist>
</para>

Izvorni kd dela podrazumeva eljeni oblik dela za unoenje izmena na njemu. Za izvri oblik dela, potpuni izvorni kd podrazumeva sav izvorni kd svih modula koje sadri, sa dodatkom svih datoteka definicije suelja, svih skripti korijenih za kontrolisanje prevojenja i instaliranja izvrnog izdanja. Meutim, kao poseban izuzetak, raspodeljeni izvorni kd ne mora da ukljuje sve ono to se obino raspodeljuje (bilo u izvornom ili izvrnom obliku) sa glavnim komponentama (prevodiocem, jezgrom, i tako dalje) operativnog sistema na kojem se pokree izvrna datoteka, osim ukoliko se sama ta komponenta ne isporujuje uz izvrnu datoteku.</para>

Ako se raspodela izvornog ili objekttnog kda vri nuenem pristupa za umnoavanje sa odreenog mesta, onda se nuenje istovetnog pristupa umnoavanju izvornog kda sa istog mesta rauna kao raspodela izvornog kda, ak i ako se od tree strane ne zahteva da umnoava izvorni kd zajedno sa objekttnim kdom.</para>
</sect2>

Odeljak 4

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</sect2>

Odeljak 5

Niste obavezni da prihvatite ovu licencu, poto je niste ni potpisali. Meutim, nita drugo vam ne dozvoljava da menjate ili raspodeljujete Program ili izvedena dela. Te radnje su zabranjene zakonom ukoliko ne prihvatite ovu licencu. Tako, menjanjem ili raspodeljivanjem Programa (ili dela zasnovanog na Programu), vi prihvatate ovu Licencu, i sve njene odredbe i uslove za umnoavanje, raspodelu ili menjanje Programa ili dela zasnovanih na njemu.</para>
</sect2>

Odeljak 6

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Ako je raspodela i/ili korijenje Programa ograničeno u određenim zemljama, bilo patentima ili autorskim pravima, prvobitni nosilac autorskih prava koji stavi Program pod ovu licencu može da doda izričito geografsko ograničenje raspodele isključujući te zemlje, tako da je raspodela dozvoljena samo u zemlji ili zemljama koje nisu na taj nain isključene. U tom slučaju, ova licenca uključuje ograničenje kao da je njen sastavni deo.

Zadubina slobodnog softvera mora s vremena na vreme da objavi preraena i/ili nova izdanja Opte javne licence. Takve prerade i po duhu biti sline sadanjem izdanju, ali se mogu razlikovati u detaljima u cilju ukazivanja na nove probleme ili pitanja.

Svakom izdanju se dodaje broj za razlikovanje izdanja. Ako Program određuje broj izdanja Licence koja mu se primjenjuje i bilo koje novije izdanje, imate mogućnost da sledite odredbe i uslove bilo tog izdanja ili bilo kog novijeg izdanja koje objavi Zadubina slobodnog softvera. Ako program ne određuje broj izdanja te Licence, moete da izaberete bilo koje izdanje koje je do sada objavila Zadubina slobodnog softvera.
Odeljak 10

Akoelite dapripojitedeloveProgramadrugimslobodnimprogramima iji su uslovi raspoledelrugaiji,piiteautoru i odnjegazatraite odobrenje.Zasoftverzaizajutorskipravazadravazadubinaslobodnogsoftvera,piitezadubinisllobodnogsoftvera; za ovo moponekadnapravimouzusetke.Naualkuebitomotivisanaciljuouvanialslobodnostatusavsihproisteklihradova naegslobodnogsoftverai culjupromovisanjadeljenjai ponovnepotretebsoftverauopte.

Odeljak 11

NEDOSTATAK GARANCIJE

ZATO TO JE PROGRAM LICENCIJANEBEOBAVEZA,NEPOSTOJIGARANCIJAZAPROGRAM,DOGRANICEDUPOTENEMERODAVNIMZAKONOM.OSIMAKONJEDRUGAIJENAVEĐENOM,NOSIOCIAUTORSKIHPRAVAILIILI DRUGA LICA OBEZBEĐUJU PROGRAM KAKAVJESTEBEZGARANCIJE BILOKAKVE VRSTE,BILOIZRAENIELIPRIMENJENJJEUKLJUČUJUI,ALI NE

OGRANIČAVAJUI SE NA, PRIMENJENEGARANCIJETRINE VREDNOSTI I PRILAGOENOSTI ODREĐENOGNAMENI.CELOKUPANRIZIKA KVALITET IVPERFORMANSE PROGRAMAJEVA.AKOPROGRAMPOKRAEDEDOSTATKE,VI PREUZIMATETROKOVE SVIH POTREBNIH SERVISIRANJA, POPRAVKILI PREPRAVLJANJA.

Odeljak 12

NI U KOM SLUČAJU, IZUZEVAKO TO NE ZAHTEVAMERODAVNIZAKONILIPISENIDOGOVOR,NEE NOSILAC AUTORSKIHPRAVA,ILI BILO KOJE DRUGO LICE KOJE MOE DAIMZMENI IILI RASPODELI PROGRAM KAO TO JE TO DOPUTENELICENCOM, BITI ODGOVORANVAMAZATETE, UKLJUČUJUISVE OPETE, POSEBNE, SLUAJNE ILIPSLEDINE TETE NASTALE USLED KORIJENJELILNEMOGUNOSTIKORIJENJEPROGRAMA(UKLJUČUJUI ALI NE OGRANIČAVAJUISANAGUBITAK

PODATAKA ILIPGORINPRKAZPODATAKA ILOGUBITKE KOTESTEIZAZVALIVILI TREA LICA, ILI NA NEUSPEHPROGRAMAZARADSA BILO KOJIM DRUGIM PROGRAMIMA), AK I AKOSUTAJ

NOSILAC ILIDRUGA LICA BILAOBAVETENAMOGUNOSTITAKVIHTETE.

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Markup by Eric Baudais <baudais@okstate.edu>
Maintained by the GNOME Documentation Project
http://developer.gnome.org/projects/gdp
Version: 1.0.1
Last Modified: Dec 16, 2000
Mi ngi u uc quy sao chp v phn phi nguyễn vn ti liu giy php ny, nhng khng c php thay i n.</para>
</releaseinfo>

<abstract role="description"><para>Giy php s đng ca hu ht cc phn mm c thit k bn khng c t do chia s v thay i phn mm. Tri li, Giy php Cng cng GNU đ nh m bo cho bn c t do chia s v thay i phn mm mt cch t do, v m bo phn mm t do cho mi ngi s đng. Giy php

Li m u</title>

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Cng cng GNU ny p dng cho hu ht nhng phn mm ca T chc Phn mm T do, v cho bt k chng trnh my thnh no khc m tc gi ca n cam kt s dng n. (Mt s phn mm khc ca T chc Phn mm T do dng Giy php Th vin Cng cng GNU thay th.) Bn eng c th p dng giy php ny cho cc chng trnh do bn lm ra.</para>

Khi chng ti ni v phn mm t do, chng ti cp n s t do s dng, ch khng phi l gi c. Giy php Cng cng GNU ca chng ti c thit k m bo bn c quyn t do pt hnh bn sao ca phn mm t do (v thu tin dch v ny nu mun), nhn m ngun hoc c kh ng ly n nu bn mun, bn c th thay i phn mm hay s dng bt k on no ca n trong chng trnh t do mi; v gip bn bit r l bn c th lm nhng iu ny.</para>

Bo v quyn li ca bn, chng ti cn a ra nhng hn ch cm bt c ai ph nhn bn c nhng quyn ny hay i hi bn t b n. Nhng s hn ch ny c hiu l mt s trch nhim nht thit ca bn nu bn pht hnh bn sao ca phn mm hoc sa i n.</para>

Chng hn, nu bn pht hnh bn sao ca chng trnh nh vy, d l cho khng hay thu tin, bn phi trao cho ngi nhn tt c nhng quyn bn c. Bn phi chc chn l h cng nhn c hay c th ly m ngun. V bn cng phi cho h bit nhng iu kin ny, h bit nhng quyn ca h.</para>

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offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Hn na, bo v te gi v chnh chng ti, chng ti mun chc chn l mi ngi hiu rng phn mm t do ny khng c bo hnh. Nu phn mm b sa i bi ngi khc v c phn pt tip, chng ti mun ngi nhn bit rng ci m h c khng phi l bn gc, v vy, bt k li no do ngi khc gy ra s khng lm mang ting n tc gi gc.</para>

Cui cng, chng trnh t do no cng lun b e da bi bng sng ch phn mm. Chng ti mun trnh nguy c vic nhng ngi pt hnh li chng trnh t do s ginh bng sng ch ring, s hu chng trnh . ngn nga iu ny, chng ti lm r rng bng sng ch phi cp cho mi ngi s dng t do, hoc khng cp cho bt k ai ht.</para>

Sau y l nhng iu kin v iu khon chnh xe i vi vic sao chp, pht hnh v sa i.</para>

IU KIN SAO CHP, PHT HNH V SA I
<sect id="sect0" label="0">
<title>Phn 0</title>
<para>Giy php ny p dng cho bt k chng trnh no hay sn phm no khe c thng bo c chn vo bi nghi gi tc quyn ni rng n c th c phh hnh theo cc cu khon ca GPL ny. Cm t Chng trnh di y c ngha l bt k chng trnh my trnh hay sn phm nh vy, v sn phm da trn Chng trnh c ngha l Chng trnh hay bt k sn phm no bt ngun t n di lut bn quyn: tc l, sn phm cha Chng trnh hay mt phn ca n, hoc ng nguyn vn hoc vi s sa i v/hoc c dch sang mt ngn ng khc. (K t cu ny, vic dch ngn ng c bao gm v hn trong thut ng s sa i.) Ng c cp Giy php c gi l bn.</para>

<para>Nhung hot ng khc ngoi s sao chp, phh hnh v sa i khng c kim sot bi Giy php ny; n ngoi phm vi ca giy php ny. Hnh ng chy Chng trnh khng b hn ch, v d liu xut t Chng trnh ch b khng ch nu ni dung ca n to thnh mt sn phm da vo Chng trnh (khng ph thuc vo vic vn hnh Chng trnh). iu ng hay khng ph thuc vo iu m Chng trnh to ra.</para>
</sect>

<sect id="sect1" label="1">
<title>Phn 1</title>
<para>Bn c quyn sao chp v phh hnh bn sao ng nguyn vn ca m ngun ca Chng trnh nh bn nhn n, bng bt k cch no, min l bn cng b r rng v thch ng trn mi bn sao mt thng bo tc quyn thch hp v min tr bo hnh; gi nguyn vn mi thng bo lin quan n Giy php ny v min tr bo hnh; v a cho nhng nghi nhn Chng trnh khc mt bn sao ca Giy php cng vi Chng trnh.</para>

<para>Bn c th thu ph cho vic gi bn sao, v bn c th ty ngh cung cp dch v bo hnh c thu ph.</para>
</sect>

<sect id="sect2" label="2">
<title>Phn 2</title>
<para>You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of <link linkend="sect1">Section 1</link> above, provided that you also meet all of these conditions:

<orderlist listtype="loweralpha">
  <listitem>
    <para>You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.</para>
  </listitem>
  <listitem>
    <para>You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.</para>
  </listitem>
</orderlist>
</sect>
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<note>
<title>Exception:</title>
<para>
If the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.
</para>
</note>

You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

<orderedlist numeration="loweralpha">
<li>
<para>
Nhng iu kin ny p dng cho ton b sn phm b sa i. Nu c th nhn ra phn ring ca sn phm khng bt ngun t Chng trnh, v cc phn ny c th c xem mt cch hp l l sn phm ring v khng ph thuc, th Giy php ny, v cc iu kin ca n, khng p dng cho nhng phn ring khi bn phn hnh nhng phn cng vi ton b sn phm da vo Chng trnh, s phn hnh ton b ny phi tun theo iu kin ca Giy php ny, cung cp cho mi ngi c quy n bao trn ton b sn phm, bao qu t t c mi phn ca n, bt k ai to n.</para>
</li>
<li>
<para>
Nh th th phn ny khng nh yu cu quy hay khng tha nhn quy ca bn v sn phm m ton b l do bn to ra; m phn ny nh ni v quy hn trong iu khin s phn hnh sn phm bt ngun t hay sn phm hp tc tp th da vo Chng trnh.</para>
</li>
<li>
<para>
Hn na, vic cha cc sn phm khc khng da vo Chng trnh cng vi Chng trnh (hay vi sn phm da vo Chng trnh) trn thit b lu tr hay vt phn hnh khng nm trong phm vi ca Giy php ny.</para>
</li>
</orderedlist>
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; or,

Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

Mング은 sn phm c ngha l dng the sn phm c a thch khi sa i n. i vi sn phm l tp tin chy c, ton b m ngun c ngha l tt c cc m ngun cho mi m-un cha, cng vi bt c tp tin xc nh giao din tng ng, cng vi cc tp lnh c dng iu khin tin trnh bin dch v ci t tp tin chy c. Tuy nhin, ngoi l c bit l m ngun c phn hnh hống cn phi bao gm nhng g c phn hnh bnh thng (trong dng the hoc ngun hoc nh phn) vi cc thnh phn chnh (b bin dch, ht nhn v.v.) ca h iu hnh ni tp tin chy c hot ng, tr khi thnh phn km theo cn thit chy tp tin.

Nu vic phn hnh m chy c hay m i tgt c lm bng c ch trao truy cp sao chp t mt ni xc nh, th vic trao cc truy cp sao chp tgt ng n m ngun t cng ni c thnh l s phn hnh m ngun, mc d ngi khc hống bt buc phi sao chp m ngun cng vi m i tgt.

Khong cho php bn sao chp, sa i, cp giy php ph hay phn Chng trnh, tr vi iu kin c din t dt khot trong Giy php ny. Bt k s c gng no trong vic sao chp, sa i, cp giy php ph hay phn Chng trnh bng c ch khe b bi b, v s kt the cc quyn ca bn di Giy php ny. Tuy nhin, ngi khc nhn bn sao hay quyn t bn di Giy php ny s hong b nh hng, min l h tip tc tun theo hon ton.
Bn không bt buc phi chp nhn Giy php ny, v bn cha k tn vo n. Tuy nhin, khng c g khe cho php bn sa i hay pht hnh Chng trnh hay sn phm bt ngun t n. Cc hnh ng ny b php lut cm nu bn khng chp nhn Giy php ny. V vy, bng cch sa i hay pht hnh Chng trnh (hay sn phm da vo n), bn ng s chp nhn Giy php ny lm nh th, gm mi iu kin sao chp, pht hnh hay sa i Chng trnh hay sn phm da vo n.</para>

Phn 6

Mi ln bn pht hnh li Chng trnh (hay sn phm da vo n), ngi nhn c th nhn t ng mt giy php t ngi cp gc, sao chp, pht hnh hay sa i Chng trnh vi iu kin ny. Khng cho php bn hn ch thm cch nghi dng s dng cc quyển c cp trong Giy php ny. Bn cng khng phi chu trch nhim v vic p buc ngi khc tun theo iu kin ca Giy php ny.</para>

Phn 7

Ml ln bn pht hnh li Chng trnh (hay sn phm da vo n), ngi nhn c th nhn t ng mt giy php t ngi cp gc, sao chp, pht hnh hay sa i Chng trnh vi iu kin ny. Khng cho php bn hn ch thm cch nghi dng s dng cc quyển c cp trong Giy php ny. Bn cng khng phi chu trch nhim v vic p buc ngi khc tun theo iu kin ca Giy php ny.

Phn 8

Nu, do kt qu ca quyển nh ca to n hay cc co buc vi phm bng sng ch hay v bt c l do no (khng b gii hn trong vn bng sng ch), bn b p buc chp nhn iu kin (hoc v quyển nh ca to n, s tho thun hoc cch khe no) m mu thun iu kin ca Giy php ny, trng hp ny khng min cho bn khng phi tha mn iu kin ca Giy php ny. Nu bn khng th pht hnh bng cch tha mn ng thi cc gia cc ca bn di Giy php ny v bt k gia cc thcc hp khe, th kt qu l khng cho php bn pht hnh Chng trnh bng cch no c. Ly th d, nu mt bng sng ch no khng cho php s pht hnh li Chng trnh m cch m thn bn quyn ph pt minh cho mi ngi nhn bn sao t b mn cc trc tip hay gin tip, th cc duy nht bn c th tha c bng v Giy php ny l hon ton khng ph hnh Chng trnh.</para>

Phn 9

Nu on on trong phn ny c quyển nh l khng hp l hay khng th c p buc trong bt k trng hp ring no, on cn li d nh p dng c, v ton b phn d nh p dng trong cc trng hp khc.

Khung phi l mc ch ca phn ny xi gie bn vi phm bng sng ch no hay li yu sch quyn ti sn khc, hoc khng thnh s hph l ca li yu sch nh vy; phn ny c mc ch dvy nh th l bo v mh trng nguy vn ca h thng pht hnh phn mm t do, m c thc c th bi cc p dng giy php cng cng. Nhíu ngi ng gip rng lăng cho mt phm v rng ca cc phn mm c pt hnh qua h thng, nh s thí nh b h thng : ty tc gi / ngi ng quyển nh nu h mun pht hnh phn mm qua h thng khc no, v ngi c cp Giy php khng th iu khin cch quyển nh .

Phn ny d nh din t r ng hon ton kt qu c hiu ca phn cn li ca Giy php ny.

Phn 8

Nu s pht hnh v/hay cch s dng Chng trnh b hnh ch trong mt s quc gia no , hoc bi bng sng ch hoc bi gia cc bn quyển tc gi, ngi ng tc quyn gct Chng trnh di Giy php ny c kh ng thm s hnh ch pht hnh a l trng loi tr nhng quc gia , cho php pht hnh ch trong hay gia cc quc gia kho ng b loi tr nh th. Trong trng hp nh vy, Giy php ny hp nht s hnh ch nh l n c ghi trong thn ca Giy php ny.
<section id="sect9" label="9">
<title>Phn 9</title>

<p>T chc Phn mm T do c th xut bn phin bn sa i v/hay mi ca Gii php Cng cng GNU. Phin bn mi nh vy s c tinh thn tng t vi phn bn hin thi, nhng c th khc bit trong chi tit gii quy vt mi.</p>

<p>Mi phin bn c gn mt s hiu phn bit phin bn. Nu Chng trnh xc nh s phn bn ring ca Gii php ny p dng cho n, v bt k phin bn sau no, bn c ty chn tha iu kin hoc ca phin bn, hoc ca bt k phin bn sau no c xut bn bi T chc Phn mm T do. Nu Chng trnh khang xc nh s phn bn ring ca Gii php ny, bn c kh nng chn bt k phin bn no ca Gii php ny c xut bn bi T chc Phn mm T do.</p>

</section>

<section id="sect10" label="10">
<title>Phn 10</title>

<p>Nu bn mun hp nht phn no ca Chng trnh vo chng trnh t do khc c iu kin phnh hhnh hhnh GPL, hy xin php tc gi. i vi phn mm c bn quyn tc gi ca T chc Phn mm T do, hy vit th cho T chc Phn mm T do : thng thong chng t cho php ngoi l trong trnh hp ny. Quyt nh ca chng ti s c hng mn b hi hai mc ch l s bo tn trng th t do ca mi iu bt ngun t phn mm t do ca chng ti, v s y mnh s chia s v s dng li phn mm mt cch chung.</p>

</section>

<section id="sect11" label="11">
<title>KHNG BO HNH</title>

<p>V CHNG TRNH C CP PHP MIN PH, KHNG C BO HNH I VI CHNG TRNH NY, VI IU KIN C PHP LUT CHO PHP. TR KHI XC NH KHC BNG TI LIU GIY T, CC NGI GI BN QUYN TC GI V/HAY NGI KHC CUNG CP CHNG TRNH NY NH TH , KHNG C BO HNH G C, KHNG PHT BIU N, CNG KHNG NG N, GM, NHNG KHNG B HN CH BL, S BO M NG TNH TRNG C TH BN C V S THCH HP VI MT MC CH DT KHOT. MI RI RO V CHT LNG, CHNH XC V HIU SUT CA CHNG TRNH NY BN S T CHU. NU CHNG TRNH NY GY RA H HNG, BN GNH VC HON TON TRCH NGHIM TR TIN DCH V GIP HAY SA CHA.</p>

</section>

<section id="sect12" label="12">
<title>Phn 12</title>

<p>KHNG C TRNG HP NO (TR KHI PHP LUT YU CU HAY KHI C THA THUN BNG TI LIU GIY T) M BT K NGI GI BN QUYN TC GI NO, HAY BT K NGI KHC NO C TH SA I V/HAY PHT HNH LI CHNG TRNH NH C PHP BN TRN, S C TRCH NHM V PHP L BI THNG, GM BT K BI THNG KIU TNG QUT, C BIT, NGU NHIN HAY DO HU QU DO S DNG HAY S KHNG C KH NNG S DNG CHNG TRNH NY (GM NHNG KHNG PHI B HN TH BI S MT D LIU HAY D LIU B LM CHO KHNG CHNH XC HAY CC MT MT CA BN HAY NGI KHC HAY S KHNG HOT NG C CHNG TRNH NY VI CHNG TRNH KHC), THM CH NU BN HAY NGI KHC C BO BIT C KH NNG THIT HI NH VY.</p>

</section>
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* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
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*
* @author Rossen Stoyanchev
* @since 3.1
*/

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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletResponseMethodArgumentResolver.java
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 */
/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * [<@link locateSource detected>] during response rendering. Users can either specify
 * a specific entry in the model via the [<@link setSourceKey sourceKey>] property or
 * have Spring locate the Source object. This class also provides basic conversion
 * of objects into Source implementations. See [<@link getSourceTypes() here]}
 * for more details.
 *
 * <p>All model parameters are passed to the XSLT Transformer as parameters.
 * In addition the user can configure [<@link setOutputProperties output properties]}
 * to be passed to the Transformer.
 *
 * [<@author Rob Harrop]
 * [<@author Juergen Hoeller]
 * [<@since 2.0]
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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-
  jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-
  jar/org/springframework/web/servlet/DispatcherServlet.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-
  jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
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* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/ws_local/PERMITS_SQL/1069262488_1594595119.88/0/spring-webmvc-5-1-9-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/MvcUriComponentsBuilder.java

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1.1674 poi-ooxml-schemas 3.9

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jar/org/springframework/remoting/httpinvoker/HttpInvokerClientConfiguration.java

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Zstd-jni: JNI bindings to Zstd Library

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compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
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compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
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lib/csharp/src/Protocol/TField.cs
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lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
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lib/st/README
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For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

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#ifndef __FLATPAK_PERMISSION_STORE_H__
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void xdg_permission_store_start (GDBusConnection *connection);

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1.1701 picketlink-idm-api 2.5.5.sp12

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1.1702 wildfly-elytron-x500-principal

1.11.2.Final

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* /opt/ws_local/PERMITS_SQL/1091710526_1600571751.25/0/wildfly-elytron-x500-principal-1-11-2-final-sources-jar/org/wildfly/security/x500/principal/X509SubjectAltNameEvidenceDecoder.java

1.1703 gotenv 1.2.0

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1.1704 python-decorator 3.4.0-3.el7

1.1705 avalon-framework-impl 4.3.1

1.1706 aop-alliance 2.4.0-b34

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1.1707 libmpcdec 1.2.6-12.el7
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1.1708 tcp-dump 4.9.2 4.el7_7.1

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1.1709 jersey-common 2.22.2

1.1710 lucene-spatial 7.4.0

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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

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

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

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

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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.

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the 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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1.1720 jackson 2.9.6
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# Jackson JSON processor

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

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1.1723 opensaml-security-api 3.3.0

1.1724 txoj 5.9.0.Final

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1.1726 spring-tx 5.1.9.RELEASE

1.1727 wildfly-mod-cluster-extension

14.0.1.Final

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1.1728 jul-to-slf4j 1.7.25

1.1729 api-util 1.0.0-M20

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* /opt/cola/permits/1110677246_1606843651.0/0/resteasy-jaxrs-3-6-1-final-sources-2-
jar/org/jboss/resteasy/util/PortProvider.java

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/**
 * Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * <p>Example:</p>
 * String encoded = Base64.encode( myByteArray );</code>
 * <br>
 * byte[] myByteArray = Base64.decode( encoded );</code>
 * <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes( bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds,
 * and encoding using the URL-safe and Ordered dialects.</p>
 * Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>,
 * Section 2.1, implementations should not add line feeds unless explicitly told.
* to do so. I've got Base64 set to this behavior now, although earlier versions
* broke lines by default. </p>
* <p>The constants defined in Base64 can be OR-ed together to combine options, so you
* might make a call like this: </p>
* <code>
String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DO_BREAK_LINES );
</code>
* <p>to compress the data before encoding it and then making the output have newline characters. </p>
* <p>Also... </p>
* <code>
String encoded = Base64.encodeBytes( crazyString.getBytes() );
</code>
* <p>
</p>
* Change Log:
* </p>
* <ul>
  * v2.3.7 - Fixed subtle bug when base 64 input stream contained the
    value 01111111, which is an invalid base 64 character but should not
    throw an ArrayIndexOutOfBoundsException either. Led to discovery of
    mishandling (or potential for better handling) of other bad input
    characters. You should now get an IOException if you try decoding
    something that has bad characters in it. </ul>
  * v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded
    string ended in the last column; the buffer was not properly shrunk and
    contained an extra (null) byte that made it into the string. </ul>
  * v2.3.5 - Fixed bug in {@link #encodeFromFile} where estimated buffer size
    was wrong for files of size 31, 34, and 37 bytes. </ul>
  * v2.3.4 - Fixed bug when working with gzipped streams whereby flushing
    the Base64.OutputStream closed the Base64 encoding (by padding with equals
    signs) too soon. Also added an option to suppress the automatic decoding
    of gzipped streams. Also added experimental support for specifying a
    class loader when using the
    * [ @link decodeToObject(java.lang.String, int, java.lang.ClassLoader) ]
    * method. </ul>
  * v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java
    footprint with its CharEncoders and so forth. Fixed some javadocs that were
    inconsistent. Removed imports and specified things like java.io.IOException
    explicitly inline. </ul>
  * v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the
    final encoded data will be so that the code doesn't have to create two output
    arrays: an oversized initial one and then a final, exact-sized one. Big win
    when using the [ @link encodeBytesToBytes(byte[]) ] family of methods (and not
    using the gzip options which uses a different mechanism with streams and stuff). </ul>
  * v2.3.1 - Added [ @link encodeBytesToBytes(byte[], int, int, int) ] and some
    similar helper methods to be more efficient with memory by not returning a
    String but just a byte array. </ul>
  * v2.3 - [strong> This is not a drop-in replacement! </strong> This is two years of comments
    and bug fixes queued up and finally executed. Thanks to everyone who sent
    me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone else.
    Much bad coding was cleaned up including throwing exceptions where necessary
    instead of returning null values or something similar. Here are some changes
* that may affect you:
* <ul>
* <li>Does not break lines, by default. This is to keep in compliance with
* <li>Throws exceptions instead of returning null values. Because some operations
* (especially those that may permit the GZIP option) use IO streams, there
* is a possibility of an java.io.IOException being thrown. After some discussion and
* thought, I've changed the behavior of the methods to throw java.io.IOExceptions
* rather than return null if ever there's an error. I think this is more
* appropriate, though it will require some changes to your code. Sorry,
* it should have been done this way to begin with.</li>
* <li>Removed all references to System.out, System.err, and the like.</li>
* <li>Shame on me. All I can say is sorry they were ever there.</li>
* <li>Throws NullPointerExceptions and IllegalArgumentExceptions as needed
* such as when passed arrays are null or offsets are invalid.</li>
* <li>Cleaned up as much javadoc as I could to avoid any javadoc warnings.
* This was especially annoying before for people who were thorough in their
* own projects and then had gobs of javadoc warnings on this file.</li>
* <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
* when using very small files (~< 40 bytes).</li>
* <li>v2.2 - Added some helper methods for encoding/decoding directly from
* one file to the next. Also added a main() method to support command line
* encoding/decoding from one file to the next. Also added these Base64 dialects:
* 
* <ol>
* <li>The default is RFC3548 format.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
* URL and file name friendly format that preserves lexical ordering as described
* in http://www.faqs.org/qa/rfcc-1940.html</li>
* </ol>
* Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a>
* for contributing the new Base64 dialects.
* 
* <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
* some convenience methods for reading and writing to and from files.</li>
* <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).</li>
* <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.</li>
* <li>v2.0 - I got rid of methods that used booleans to set options.
* Now everything is more consolidated and cleaner. The code now detects
* when data that's being decoded is gzip-compressed and will decompress it
* automatically. Generally things are cleaner. You'll probably have to
* change some method calls that you were making to support the new
* options format (<tt>int</tt>s that you "OR" together).</li>
* </ul>
* v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using \(<tt>decode\( String\ s\ ,\ boolean\ gzipCompressed \)\</tt>.
* Added the ability to "suspend" encoding in the Output Stream so
* you can turn on and off the encoding if you need to embed base64
* data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream pases on flush() command but doesn't do anything itself.
* This helps when using GZIP streams.
* Added the ability to GZip-compress objects before encoding them.
* v1.4 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
* where last buffer being read, if not completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* v1.3.3 - Fixed I/O streams which were totally messed up.
* </ul>

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* plenty of well-wishing instead!
* Please visit \(<a href="http://iharder.net/base64"\>http://iharder.net/base64</a>\)
* periodically to check for updates or to contribute improvements.
* </p>

*/

@author Robert Harder
@author rob@iharder.net
@version 2.3.7
*/

Found in path(s):
* /opt/cola/permits/1110677246_1606843651.0/0/resteasy-jaxrs-3-6-1-final-sources-2-
jar/org/jboss/resteasy/util/Base64.java
No license file was found, but licenses were detected in source scan.

/**
* Any exception thrown by a MessageBodyWriter chain that is not an instance of a WriterException is caught
* by the Resteasy runtime and wrapped with an instance of WriterException.
* If you want to have special exception handling for exceptions thrown by MessageBodyWriters and their
* interceptors, then write an exception
* mapper for WriterException.
* Also, you may extend this class and throw instances of it from your MessageBodyWriters (and interceptors)
* @author <a href="mailto:bill@burkecentral.com">Bill Burke</a>
* @version $Revision: 1 $
*/
No license file was found, but licenses were detected in source scan.

/**
 * Any exception thrown by a MessageBodyReader chain that is not an instance of a ReaderException is caught internally
 * by the Resteasy runtime and wrapped with an instance of ReaderException.
 *
 * If you want to have special exception handling for exceptions thrown by MessageBodyReaders, then write an exception
 * mapper for ReaderException.
 *
 * Also, you may extend this class and throw instances of it from your MessageBodyReaders (and interceptors)
 *
 * @author <a href="mailto:bill@burkecentral.com">Bill Burke</a>
 * @version $Revision: 1 $
 */

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analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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boolean confidential = isConfidentialTransportGuarantee(dep, ep); int currentPort = port.getValue(confidential); Integer hostPort =

getServerConfig().getVirtualHostPort(ep.getService().getVirtualHost(), confidential); String protocol = confidential
?
"https://" : "http://"; protected boolean isConfidentialTransportGuarantee(final Deployment dep, final Endpoint ep) return "CONFIDENTIAL".equals(transportGuarantee); return "CONFIDENTIAL".equals(transportGuarantee);

public Integer getValue(boolean confidential) { return confidential ? getSecurePortValue() : getPortValue();

1.1739 lucene-queries 7.4.0

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* /opt/cola/permits/1110676446_1606843336.12/0/netty-resolver-4-1-34-final-sources-1-
  jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/cola/permits/1110676446_1606843336.12/0/netty-resolver-4-1-34-final-sources-1-
  jar/io/netty/resolver/HostsFileParser.java
* /opt/cola/permits/1110676446_1606843336.12/0/netty-resolver-4-1-34-final-sources-1-
  jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/cola/permits/1110676446_1606843336.12/0/netty-resolver-4-1-34-final-sources-1-
  jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /opt/cola/permits/1110676446_1606843336.12/0/netty-resolver-4-1-34-final-sources-1-
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Implementation-Version: 4.1.53.Final
Built-By: root
Bnd-LastModified: 1602570733420
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty;version="[4.1,5)";io.netty.util;version="[4.1,5)";io.netty.util.concurrent;version="[4.1,5)";io.netty.util.internal;version="[4.1,5)";io.netty.internal.logging;version="[4.1,5)";sun.nio.ch;resolution:=optional;org.eclipse.jetty.npn;version="[1,2)";resolution:=optional;org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional
Require-Capability: osgi.ee;filter="(&osgi.ee=JavaSE)(version=1.6)"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.buffer;uses="io.netty.util";version="4.1.53";io.netty.buffer.search;uses="io.netty.util";version="4.1.53"
Bundle-Name: Netty/Buffer
Bundle-Version: 4.1.53.Final
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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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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
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2.1.8.RELEASE

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27287199
27287880
27287883

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* /opt/cola/permits/1104729278_1604648857.36/0/netty-resolver-4-1-53-final-jar/META-INF/maven/io.netty/netty-
  resolver/pom.xml
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Manifest-Version: 1.0
Implementation-Title: Netty/Resolver
Bundle-Description: Netty is an asynchronous event-driven network appl
ication framework for rapid development of maintainable high perfo
rmance protocol servers and clients.
Automatic-Module-Name: io.netty.resolver
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Bundle-SymbolicName: io.netty.resolver
Implementation-Version: 4.1.53.Final
Built-By: root
Bnd-LastModified: 1602570792769
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
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Import-Package: io.netty.util;version="[4.1,5)";io.netty.util.concurrent
  version="[4.1,5)";io.netty.util.internal;version="[4.1,5)";io.netty
  .util.internal.logging;version="[4.1,5)";sun.nio.ch;resolution:=opti
  onal,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.e
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Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.resolver;uses:="io.netty.util.concurrent";ver
sion="4.1.53"
Bundle-Name: Netty/Resolver
Bundle-Version: 4.1.53.Final
Created-By: Apache Maven Bundle Plugin
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* /opt/cola/permits/1104729278_1604648857.36/0/netty-resolver-4-1-53-final-jar/META-INF/MANIFEST.MF

1.1760 wildfly-jmx 6.0.2.Final
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1.1761 wildfly-sar 14.0.1.Final

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* /opt/ws_local/PERMITS_SQL/1091710480_1600571823.05/0/wildfly-elytron-credential-source-impl-1-11-2-final-sources-jar/org/wildfly/security/credential/source/impl/CommandCredentialSource.java

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* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1-
  jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1-
  jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1-
  jar/org/springframework/web/multipart/MultipartResolver.java
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  jar/org/springframework/http/server/ServerHttpRequest.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1-
  jar/org/springframework/web/multipart/MultipartHttpServletRequest.java

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# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types.  File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <http://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
#
# MIME type (lowercased)Extensions
# ================================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-insetze
# application/applefile
application/applixwareaw
# application/atf
# application/atfx
application/atom+xml
application/atomcat+xml
application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml
# application/atxml
# application/auth-policy+xml
# application/bacnet-xdd+xml
# application/batch-smtp
# application/beep+xml
# application/calendar+json
# application/calendar+xml
# application/call-completion
# application/cals-1840
# application/cbor
# application/ccmp+xml
application/ccxml+xml
# application/cdfx+xml
application/cdmi-capability
application/cdmi-container
application/cdmi-domain
application/cdmi-object
application/cdmi-queue
# application/cdni
# application/cea
# application/cea-2018+xml
# application/cellml+xml
# application/cfw
# application/cms
# application/cnrf+xml
# application/coap-group+xml
# application/commonground
# application/conference-info+xml
# application/cpl+xml
# application/csrattrs
# application/csta+xml
# application/cstadata+xml
# application/csvm+xml
application/cu-seeme
# application/cybercash
# application/dash+xml
# application/dashdelta
application/davmount+xml
# application/dca-rft
# application/dcd
# application/dec-dx
application/resource-lists-diff+xml
# application/rfc+xml
# application/riscos
# application/rlmi+xml
application/rls-services+xml
application/rpki-ghostbusters+xml
application/rpki-manifest+xml
application/rpki-roa+xml
# application/rpki-updown
application/rsd+xml
application/rss+xml
application/rtf
# application/rtploopback
# application/rtx
# application/samlassertion+xml
# application/samlmetadata+xml
application/sbml+xml
# application/scaip+xml
# application/scim+json
# application/simple-filter+xml
# application/simple-message-summary
# application/simplesymbolcontainer
# application/slate
# application/smilk+xml
application/smilk+xml
application/sparql-query+xml
application/sparql-results+xml
# application/spirits-event+xml
# application/sql
application/srgsgram
application/srgs+xml
application/srxml
application/theses+xml
application/theses+json
# application/tamp-apex-update
# application/tamp-apex-update-confirm
# application/tamp-community-update
# application/tamp-community-update-confirm
# application/tamp-error
# application/tamp-sequence-adjust
# application/tamp-sequence-adjust-confirm
# application/tamp-status-query
# application/tamp-status-response
# application/tamp-update
# application/tamp-update-confirm
application/tei+xml
application/thraud+xml
# application/timestamp-query
# application/timestamp-reply
application/timestamped-datsd
# application/ttml+xml
# application/tve-trigger
# application/ulpfec
# application/urc-grpsheet+xml
# application/urc-ressheet+xml
# application/urc-targetdesc+xml
# application/urc-uisocketdesc+xml
# application/vcard+json
# application/vcard+xml
# application/vemmi
# application/vividence.scriptfile
# application/vnd.3gpp-prose+xml
# application/vnd.3gpp-prose-pc3ch+xml
# application/vnd.3gpp.access-transfer-events+xml
# application/vnd.3gpp.bs+xml
# application/vnd.3gpp.mid-call+xml
application/vnd.3gpp.pic-bw-large+xml
application/vnd.3gpp.pic-bw-small+xml
application/vnd.3gpp.pic-bw-var+xml
# application/vnd.3gpp.sm+xml
# application/vnd.3gpp.sm+xml
# application/vnd.3gpp.srvc-ext+xml
# application/vnd.3gpp.srvc-info+xml
# application/vnd.3gpp.state-and-event-info+xml
# application/vnd.3gpp.ussd+xml
# application/vnd.3gpp2.bcmcsinfo+xml
# application/vnd.3gpp2.sms
application/vnd.groove-tool-template
application/vnd.groove-vcard
# application/vnd.hal+json
application/vnd.hal+xml
# application/vnd.hcl-bireports
# application/vnd.hdt
# application/vnd.heroku+json
application/vnd.hhe.lesson-player
application/vnd.hp-hpgl
application/vnd.hp-hpid
application/vnd.hp-hps
application/vnd.hjlyt
application/vnd.hp-pcl
application/vnd.hp-pclxl
# application/vnd.htphone
application/vnd.hydrostatix.sof-data
# application/vnd.hyperdrive+json
# application/vnd.hzn-3d-crossword
# application/vnd.ibm.afplinedata
# application/vnd.ibm.electronic-media
application/vnd.ibm.minipay
application/vnd.ibm.modcap
application/vnd.ibm.rights-management
application/vnd.ibm.secure-container
application/vnd.iccprofile
# application/vnd.ieee.1905
application/vnd.igloader
application/vnd.immervision-ivp
application/vnd.immervision-ivu
# application/vnd.ims.imsccv1p1
# application/vnd.ims.imsccv1p2
# application/vnd.ims.imsccv1p3
# application/vnd.ims.lis.v2.result+json
# application/vnd.ims.lti.v2.toolconsumerprofile+json
# application/vnd.ims.lti.v2.toolproxy+json
# application/vnd.ims.lti.v2.toolproxy.id+json
# application/vnd.ims.lti.v2.toolsettings+json
# application/vnd.ims.lti.v2.toolsettings.simple+json
# application/vnd.informedcontrol.rms+xml
# application/vnd.informix-visionary
# application/vnd.infotech.project
# application/vnd.infotech.project+xml
# application/vnd.innopath.wamp.notification
application/vnd.insors.igm
application/vnd.intercon.formnet
application/vnd.intergeo
# application/vnd.intertrust.digibox
# application/vnd.intertrust.nncp
application/vnd.intu.qbo
application/vnd.intu.qfx
# application/vnd.iptc.g2.catalogitem+xml
# application/vnd.iptc.g2.conceptitem+xml
# application/vnd.iptc.g2.knowledgeitem+xml
# application/vnd.iptc.g2.newsitem+xml
# application/vnd.iptc.g2.newsmessage+xml
# application/vnd.iptc.g2.packageitem+xml
# application/vnd.iptc.g2.planningitem+xml
application/vnd.ipunplugged.rcprofile
application/vnd.irepository.package+xml
application/vnd.is-xpr
application/vnd.is.ac.fcs
application/vnd.jam
# application/vnd.japannet-directory-service
# application/vnd.japannet-jpnstore-wakeup
# application/vnd.japannet-payment-wakeup
# application/vnd.japannet-registration
# application/vnd.japannet-registration-wakeup
# application/vnd.japannet-setstore-wakeup
# application/vnd.japannet-verification
# application/vnd.japannet-verification-wakeup
application/vnd.jcp.javame.midlet-rms
application/vnd.jisp
application/vnd.joost.joda-archive
# application/vnd.jsk.isdn-ngn
application/vnd.kahootz
application/vnd.kde.karbon
application/vnd.kde.kchart
application/vnd.kde.kformula
application/vnd.kde.kivio
application/vnd.kde.kontour
application/vnd.kde.kpresenter
application/vnd.kde.kspread
application/vnd.kde.kwort
application/vnd.kenameaapphke
application/vnd.kidspiration
application/vnd.kinarkne
application/vnd.koanskp
application/vnd.kodak.descriptor
application/vnd.las.las+xml
# application/vnd.liberty-request+xml
application/vnd.llamagraphics.life-balance.desktop
application/vnd.llamagraphics.life-balance.exchange+xml
application/vnd.lotus-1-2-3
application/vnd.lotus-approach
application/vnd.lotus-lase+xml
application/vnd.lotus-lase+xml
application/x-wais-sourcesrc
# application/x-www-form-urlencoded
application/x-x509-ca-cert
crt
application/x-xfig
gfig
application/x-xliff+xml
tlf
application/x-xpinstall
xpi
application/x-xz
xz
application/x-zmachine
z1 z2 z3 z4 z5 z6 z7 z8
# application/x400-bp
# application/xacml+xml
application/xaml+xml
xaml
# application/xhtml-voice+xml
application/xml
xml xsl
application/xml-dtd
dtd
# application/xml-external-parsed-entity
# application/xml-patch+xml
# application/xmpp+xml
application/xop+xml
xop
application/xproc+xml
xpl
application/xslt+xml
xslt
application/xspf+xml
xspf
application/xv+xml
mxml xhvml xvml xvm
application/yang
yang
application/yin+xml
yin
application/zip
zip
# application/zlib
# audio/1d-interleaved-parityfec
# audio/32kadpcm
# audio/3gpp
gpp
# audio/3gpp2
# audio/ac3
adpcm
# audio/amr
amr
# audio/amr-wb
amr-wb
# audio/amr-wb+
amr-wb+
# audio/aptx
# audio/asc
# audio/atrac-advanced-lossless
# audio/gsm-efr
# audio/gsm-hr-08
# audio/ilbc
# audio/ip-mr_v2.5
# audio/isac
# audio/l16
# audio/l20
# audio/l24
# audio/l8
# audio/lpc
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# audio/mobile-xmf
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# audio/mp4a-latm
# audio/MPA
# audio/mpeg4-robust
audio/mpegmpga mp2 mp2a mp3 m2a m3a
# audio/mpeg4-generic
# audio/musepack
audio/oggoga ogg spx
# audio/opus
# audio/parityfec
# audio/pcma
# audio/pcma-wb
# audio/pcmu
# audio/pcmu-wb
# audio/prs.sid
# audio/qcelp
# audio/raptorfec
# audio/red
# audio/rtp-enc-aescm128
# audio/rtp-midi
# audio/rtploopback
# audio/rtx
audio/s3ms3m
audio/silksil
# audio/smv
# audio/smv-qcp
# audio/smv0
# audio/sp-midi
# audio/speex
# audio/t140c
# audio/t38
# audio/telephone-event
# audio/tone
# audio/uemclip
# audio/ulpfec
# audio/vdvi
# video/bt656
# video/celb
# video/dv
# video/encaprtph261
# video/h263
# video/h263-1998
# video/h263-2000
# video/h264
# video/h264-rcdo
# video/h264-svch265
# video/iso.segment
video/jpegjpgv
# video/jpeg2000
video/jpmjpm jpgm
video/mj2mj2 mjpp2
# video/mp1s
# video/mp2p
# video/mp2t
video/mp4mp4 mp4v mpg4
# video/mp4v-es
video/mpegmpg mpg mpe m1v m2v
# video/mpeg4-generic
# video/mpv
# video/nv
video/oggogv
# video/parityfec
# video/pointer
video/quicktimeqt mov
# video/raptorfec
# video/raw
# video/rtp-enc-aescm128
# video/rtploopback
# video/rtx
# video/smpte292m
# video/ulpfec
# video/vc1
# video/vnd.cctv
video/vnd.dece.hd uh uvh
video/vnd.dece.mobileuvm uvvm
# video/vnd.dece.mp4
video/vnd.dece.pduvp uvvp
video/vnd.dece.sduvs uvvs
video/vnd.dece.videouvuv uvvv
# video/vnd.directv.mpeg
# video/vnd.directv.mpeg-tts
# video/vnd.dlna.mpeg-tts
video/vnd.dvb.file
video/vnd.fvt
# video/vnd.hns.video
# video/vnd.iptvforum.1dparityfec-1010
# video/vnd.iptvforum.1dparityfec-2005
# video/vnd.iptvforum.2dparityfec-1010
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# video/vnd.iptvforum.tsavc
# video/vnd.iptvforum.tsmpeg2
# video/vnd.motorola.video
# video/vnd.motorola.videop
video/vnd.mpegurl
video/vnd.ms-playready.media.pyvpyv
# video/vnd.nokia.interleaved-multimedia
# video/vnd.nokia.videovoip
# video/vnd.objectvideo
# video/vnd.radgamettools.bink
# video/vnd.radgamettools.smacker
# video/vnd.sealed.mpeg1
# video/vnd.sealed.mpeg4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
video/vnd.uvvu.mp4u
video/vnd.vivoviv
# video/vp8
video/webmwebm
video/x-f4vf4v
video/x-flicli
video/x-flfvlv
video/x-m4vm4v
video/x-matroskamkv
video/x-mngmng
video/x-ms-asf
video/x-ms-asf
video/x-ms-asf
video/x-ms-asf
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video/x-ms-asf
video/x-ms-asf
video/x-ms-wmv
video/x-ms-wmwmv
video/x-ms-wmxwmx
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video/x-msvideoavi
video/x-sgi-moviemovie
video/x-smvsstmv
x-conference/x-cooltalkice

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* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1.jar/org/springframework/http/mime.types
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  jar/org/springframework/http/codec/xml/Jaxb2XmlEncoder.java

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  jar/org/springframework/web/client/support/RestGatewaySupport.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1-
  jar/org/springframework/web/bind/annotation/Mapping.java

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* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/context/ContextCleanupListener.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/context/ConfigurableWebEnvironment.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/remoting/httpinvoker/HttpInvokerClientConfiguration.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/bind/annotation/ValueConstants.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/context/ServletConfigAware.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/WebApplicationInitializer.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/HttpMediaTypeNotAcceptableException.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/client/ResourceAccessException.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/http/client/AbstractClientHttpResponse.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/util/IntrospectorCleanupListener.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/context/ServletContextAware.java
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1- jar/org/springframework/web/bind/annotation/InitBinder.java
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jar/org/springframework/web/bind/support/SessionStatus.java
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jar/org/springframework/web/util/UriBuilder.java
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Found in path(s):
* /opt/cola/permits/1110675621_1606843703.05/0/spring-web-5-0-8-release-sources-1-
  jar/org/springframework/web/accept/ParameterContentNegotiationStrategy.java

1.1769 libtirpc 0.2.4 0.16.el7
1.1769.1 Available under license :
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*/

1.1770 jackson-dataformat-cbor 2.9.6

1.1771 phantomjs 1.9.6
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Contributors (in approximate order of appearance)

[See also the ChangeLog file where individuals are
attributed in log entries. Likewise in the FAQ file.]
Ben Elliston
Initiated the project;
set up the project infrastructure (CVS, web page, etc.);
early prototype routines.

Ross Johnson
ongoing project coordination/maintenance;
implementation of spin locks and barriers;
various enhancements;
bug fixes;
documentation;
testsuite.

Robert Colquhoun
Early bug fixes.

John E. Bossom
Contributed substantial original working implementation;
bug fixes;
ongoing guidance and standards interpretation.

Anders Norlander
Early enhancements and runtime checking for supported
Win32 routines.

Tor Lilqvist
General enhancements;
early bug fixes to condition variables.

Scott Lightner
Bug fix.

Kevin Ruland
Various bug fixes.

Mike Russo
Bug fix.

Mark E. Armstrong
Bug fixes.

Lorin Hochstein
general bug fixes; bug fixes to condition variables.

Peter Slacik
Bug fixes.

Mumit Khan
Fixes to work with Mingw32.

Milan Gardian
Bug fixes and reports/analyses of obscure problems.

Aurelio Medina
First implementation of read-write locks.

Graham Dumpleton
Bug fix in condition variables.

Tristan Savatier
WinCE port.

Erik Hensema
Bug fixes.
Rich Petersrpeters at micro-magic dot com
Todd Owenton at lucidcalm dot dropbear dot id dot au
Bug fixes to dll loading.
Jason Nyejnye at nbnet dot nb dot ca
Implementation of async cancelation.
Fred Foresterfforest at eticomm dot net
Kevin D. Clarkkclark at cabletron dot com
David Baggetttdmb at itasoftware dot com
Bug fixes.
Paul Redondopaul at matchvision dot com
Scott McCaskill scott at 3dfx dot com
Bug fixes.
Jef Gearhartjgearhart at tpssys dot com
Bug fix.
Arthur Kantorakantor at bexusa dot com
Mutex enhancements.
Steven Reddiesmr at essemer dot com dot au
Bug fix.
Alexander TerekhovTEREKHOV at de dot ibm dot com
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathcko;
system clock change handling re CV timeouts;
bug fixes.
Thomas Pfaffpfaff at gmx dot net
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bezfranco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomaslthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved
condition variables.
David Korndgk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.phil at hawksoft dot com
Bug fix.
Ralf BreseRalf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at junodotcom prionx at junodotcom
Bug fixes.
Max Woodburymtew at cds dot duke dot edu
POSIX versioning conditionals;
reduced namespace pollution;
idea to separate routines to reduce statically
linked image sizes.

Rob Fannerrfanner at stonethree dot com
Bug fix.

Michael Johnson michaelj at maine dot rr dot com
Bug fix.

Nicolas Barryboozai at yahoo dot com
Bug fixes.

Piet van Bruggenpietvb at newbridges dot nl
Bug fix.

Makoto Katoraven at oldskool dot jp
AMD64 port.

Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEx package which
makes preemptive async cancelation possible.

Will Bryantwill dot bryant at ecosm dot com
Borland compiler patch and makefile.

Anuj Goyalanuj dot goyal at gmail dot com
Port to Digital Mars compiler.

Gottlob Freegottlofbfrege at gmail dot com
re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).

Vladimir Kliatchkovladimir at kliatchko dot com
reimplemented pthread_once with the same form
as described by A.Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.

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This file contains a list of people who have made large contributions
to the public version of Protocol Buffers.

Original Protocol Buffers design and implementation:
Sanjay Ghemawat <sanjay@google.com>
Jeff Dean <jeff@google.com>
Daniel Dulitz <daniel@google.com>
Craig Silverstein
Paul Haahr <haahr@google.com>
Corey Anderson <corin@google.com>
(and many others)

Proto2 C++ and Java primary author:
Kenton Varda <kenton@google.com>

Proto2 Python primary authors:
Will Robinson <robinson@google.com>
Petar Petrov <petar@google.com>

Large code contributions:
Jason Hsueh <jasonh@google.com>
Joseph Schorr <jschorr@google.com>
Wenbo Zhu <wenboz@google.com>

Large quantity of code reviews:
Scott Bruce <sbruce@google.com>
Frank Yellin
Neal Norwitz <nnorwitz@google.com>
Jeffrey Yasskin <jyasskin@google.com>
Ambrose Feinstein <ambrose@google.com>

Documentation:
Lisa Carey <lcarey@google.com>

Maven packaging:
Gregory Kick <gak@google.com>

Patch contributors:
Kevin Ko <kevin.s.ko@gmail.com>
  * Small patch to handle trailing slashes in --proto_path flag.
Johan Euphrosine <proppy@aminche.com>
  * Small patch to fix Python CallMethod().
Ulrich Kunitz <kune@deine-taler.de>
  * Small optimizations to Python serialization.
Leandro Lucarella <llucax@gmail.com>
  * VI syntax highlighting tweaks.
  * Fix compiler to not make output executable.
Dilip Joseph <dilip.antony.joseph@gmail.com>
  * Heuristic detection of sub-messages when printing unknown fields in text format.
Brian Atkinson <nairb774@gmail.com>
  * Added @Override annotation to generated Java code where appropriate.
Vincent Choinire <Choiniere.Vincent@hydro.qc.ca>
  * Tru64 support.
Monty Taylor <monty.taylor@gmail.com>
  * Solaris 10 + Sun Studio fixes.
Alek Storm <alek.storm@gmail.com>
  * Slicing support for repeated scalar fields for the Python API.
Oleg Smolsky <oleg.smolsky@gmail.com>
  * MS Visual Studio error format option.
  * Detect unordered_map in stl_hash.m4.
Brian Olson <brianolson@google.com>
  * gzip/zlib I/O support.
Michael Poole <mipoole@troilus.org>
  * Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
  * Added generation of field number constants.
Wink Saville <wink@gmail.com>
  * Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
  * Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
  * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
  * HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
  * Detect whether zlib is new enough in configure script.
  * Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
  * Optimize Java serialization code when writing a small message to a stream.
  * Optimize Java serialization of strings so that UTF-8 encoding happens only
once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>
* Fixed m4/acx_pthread.m4 problem for some Linux distributions.
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1.1773 centos-release 7 8.2003.0.el7.centos

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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large
chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks: but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

Akemi Matsuno-Yagi
Alain Reguera Delgado
Alan Bartlett
Andreas Thienemann
Anssi Johansson
Athmane Madjoudj
Bonnie King
Brian Stinson
Carl Trieloff
Christoph Galuschka
Fabian Arrotin
Jakub Filak
James Moger
Jeff Sheltren
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Johnny Hughes Jr
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Kay Williams
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Matej Habrnal
Marcus Moeller
Michael Scherer
Mike McLean
Pablo Sebastian Greco
Pat Riehecky
Ralph Angenendt
Scott Robbins
Stephen John Smoogen
Trevor Hemsley
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1.1776 perl 1.04 294.el7_6

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The End

#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) { 
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();
# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
;
    my $copyright_msg = <$readme>

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

    my $output = runperl switches => ['-v', ' ', 1];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

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---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the
Module-Build mailing list at <module-build@perl.org>."
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

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

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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010

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Version 1, February 1989

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1.777.1 jakarta-annotation-api 1.3.4

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1.1808 antlr-runtime 4.5.1 1

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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/PlusLoopbackState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/TokenStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/BufferedTokenStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/ErrorNode.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/LoopEndState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/misc/Array2DHashSet.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/misc/ObjectEqualityComparator.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/StarBlockStartState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/EmptyPredictionContext.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LoopEndState.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/Recognizer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/misc/AbstractEqualityComparator.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/NotSetTransition.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/ParserRuleContext.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/RuleStartState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ANTLRFileStream.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/dfa/LexerDFASerializer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ANTLRErrorListener.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/BaseErrorListener.java

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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreeMatch.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/tree/pattern/ParseTreePattern.java

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jar/org/antlr/v4/runtime/atin/DecisionInfo.java
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  jar/org/springframework/retry/policy/SimpleRetryPolicy.java
* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
  jar/org/springframework/classify/SubclassClassifier.java
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jar/org/springframework/retry/backoff/FixedBackOffPolicy.java
* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
jar/org/springframework/retry/backoff/UniformRandomBackOffPolicy.java
* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
jar/org/springframework/retry/backoff/ExponentialBackOffPolicy.java

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jar/org/springframework/retry/backoff/ExponentialBackOffPolicy.java
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jar/org/springframework/retry/annotation/EnableRetry.java
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jar/org/springframework/retry/annotation/Backoff.java
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 * /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-jar/org/springframework/retry/interceptor/RetryInterceptorBuilder.java
 * /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-jar/org/springframework/retry/annotation/Retryable.java
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* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-jar/org/springframework/retry/support/RetrySimulator.java
* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-jar/org/springframework/retry/backoff/Sleeper.java
* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
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* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
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* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
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* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
jar/org/springframework/retry/policy/RetryOperations.java
* /opt/cola/permits/1110675753_1606844036.75/0/spring-retry-1-1-5-release-sources-
jar/org/springframework/retry/support/DefaultRetryState.java

1.1820 jdom 1.0

1.1821 python-suds 0.4.1-5.el7
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/* lib/font/fontfile/gunzip.c
   written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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@enumerate
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with the Library, with the complete machine-readable ``work that
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Found in path(s):

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/aopalliance/intercept/MethodInterceptor.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/aspectj/annotation/SingletonMetadataAwareAspectInstanceFactory.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/interceptor/ExposeInvocationInterceptor.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/framework/AopContext.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/framework/AopProxy.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/target/ThreadLocalTargetSource.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java

/opt/cola/permits/1110675836_1606843668.64/0/spring-aop-5-0-8-release-sources-1-
1.1847 libjpeg 1.2.90-8.el7

1.1847.1 Available under license:

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/ *
* transupp.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains image transformation routines and other utility code
* used by the jpegtran sample application. These are NOT part of the core
* JPEG library. But we keep these routines separate from jpegtran.c to
* ease the task of maintaining jpegtran-like programs that have other user
* interfaces.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
 * jcinit.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and
 * making an initialization call to each one.
 *
 * Logically, this code belongs in jcmaster.c. It's split out because
 * linking this routine implies linking the entire compression library.
 * For a transcoding-only application, we want to be able to use jcmaster.c
 * without linking in the whole library.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcinit.c
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_x86_64.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 * This file contains the interface between the "normal" portions
 */
* of the library and the SIMD implementations when running on an
* x86_64 architecture.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jsimd_x86_64.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmarker.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to decode JPEG datastream markers.
 * Most of the complexity arises from our desire to support input
 * suspension: if not all of the data for a marker is available,
 * we must exit back to the application. On resumption, we reprocess
 * the marker.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/jdmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * jdinput.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input control logic for the JPEG decompressor.
 * These routines are concerned with controlling the decompressor's input
 * processing (marker reading and coefficient decoding). The actual input
 * reading is done in jdmarker.c, jdhuff.c, and jdphuff.c.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdinput.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegint.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file provides common declarations for the various JPEG modules.
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegint.h
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_arm.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on
 * ARM architecture.
 * Based on the stubs from 'jsimd_none.c'
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd_arm.c
No license file was found, but licenses were detected in source scan.

/*
 * jdct.h
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

This include file contains common declarations for the forward and
inverse DCT modules. These declarations are private to the DCT managers
(jdctmgr.c, jddctmgr.c) and the individual DCT algorithms.
The individual DCT algorithms are kept in separate files to ease
machine-dependent tuning (e.g., assembly coding).

*/

Found in path(s):
/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdct.h

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

; jcolsamp.inc - private declarations for color conversion & up/downsampling
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; pseudo-resisters to make ordering of RGB configurable
;
%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6

%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif
%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%else
%define mmG mm6
%define mmH mm7
%define xmmG xmm6
%define xmmH xmm7
%endif

; ---------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcolsamp.inc
No license file was found, but licenses were detected in source scan.

/*
 * jdapistd.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-decompression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_decompress, it will end up linking in the entire decompressor.
 * We thus must separate this file from jdapimin.c to avoid linking the
 * whole decompression library into a transcoder.
 */
/*
 * Copyright (C) 2011 D. R. Commander. All Rights Reserved.
 *
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 *   contributors may be used to endorse or promote products derived from this
 *   software without specific prior written permission.
 *
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 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
 * ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
 * POSSIBILITY OF SUCH DAMAGE.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-档案-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-档案-Cd49Tbdd/libjpeg-turbo-1.2.90/jdapistd.c

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

*/
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:
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******************************************************************************
**     Using libjpeg-turbo
******************************************************************************

libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.
Installation Directory

This document assumes that libjpeg-turbo will be installed in the default directory /opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

Replacing libjpeg at Run Time

Un*x
----

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:

[Using libjpeg]
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.392s
user 0m0.074s
sys 0m0.020s

[Using libjpeg-turbo]
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.109s
user 0m0.029s
sys 0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows
------

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's
copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C runtime DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C runtime structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C runtime DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().

Mac
---

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

Using libjpeg-turbo in Your Own Programs

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

CPATH=/opt/libjpeg-turbo/include

and

LIBRARY_PATH=/opt/libjpeg-turbo/{lib}

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)
If using MinGW, then set

\texttt{CPATH=/c/libjpeg-turbo-gcc[64]/include}
and
\texttt{LIBRARY\_PATH=/c/libjpeg-turbo-gcc[64]/lib}

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un*x systems, you would still need to manipulate \texttt{LD\_LIBRARY\_PATH} or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass \texttt{-R /opt/libjpeg-turbo/[lib]} to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un*x or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

\texttt{-Wl,-Bstatic -ljpeg -Wl,-Bdynamic}

On OS X, simply add \texttt{/opt/libjpeg-turbo/lib/libjpeg.a} to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add \texttt{c:\libjpeg-turbo[64]\include} to the system or user \texttt{INCLUDE} environment variable and \texttt{c:\libjpeg-turbo[64]\lib} to the system or user \texttt{LIB} environment variable, and then link against either \texttt{jpeg.lib} (to use the DLL version of libjpeg-turbo) or \texttt{jpeg-static.lib} (to use the static version of libjpeg-turbo.)

=====================  
Colorspace Extensions  
=====================  

libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new colorspace constants:

\texttt{JCS\_EXT\_RGB} /* red/green/blue */
\texttt{JCS\_EXT\_RGBX} /* red/green/blue/x */
\texttt{JCS\_EXT\_BGR} /* blue/green/red */
\texttt{JCS\_EXT\_BGRX} /* blue/green/red/x */
\texttt{JCS\_EXT\_XBGR} /* x/blue/green/red */
\texttt{JCS\_EXT\_XRGB} /* x/red/green/blue */
\texttt{JCS\_EXT\_RGBA} /* red/green/blue/alpha */
\texttt{JCS\_EXT\_BGRA} /* blue/green/red/alpha */
\texttt{JCS\_EXT\_ABGR} /* alpha/blue/green/red */
JCS_EXT_ARGB /* alpha/red/green/blue */

Setting cinfo.in_color_space (compression) or cinfo.out_color_space (decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

```c
#ifdef JCS_EXTENSIONS
```

At run time, attempting to use these extensions with a libjpeg implementation that does not support them will result in a "Bogus input colorspace" error. Applications can trap this error in order to test whether run-time support is available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA, JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:

```c
#ifdef JCS_ALPHA_EXTENSIONS
```

jcstest.c, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

```
===================================
libjpeg v7 and v8 API/ABI Emulation
===================================
```

With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the
libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:
---------------------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
See notes below.

-- cjjpeg: Separate quality settings for luminance and chrominance
Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjjpeg: 32-bit BMP support

-- cjjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the
usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.

What About libjpeg v9?
----------------------
libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.
Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can't already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

=====================================  
In-Memory Source/Destination Managers  
=====================================  

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don't, and it allows those functions to be provided in the "official" libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg v6b or v7 API can pass an argument of --without-mem-srcdst to configure or an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo. This will restore the pre-1.3 behavior, in which jpeg_mem_src() and jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a function in a library until that function is actually used. Thus, if a program is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(), that program will not fail if run against an older version of libjpeg-turbo or against libjpeg v7- until the program actually tries to call jpeg_mem_src() or jpeg_mem_dest(). Such is not the case on Windows. If a program is built against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(), then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory source/destination manager functions. See their respective man pages for more details.

*******************************************************************************  
**     Mathematical Compatibility  
*******************************************************************************
For the most part, libjpeg-turbo should produce identical output to libjpeg v6b. The one exception to this is when using the floating point DCT/IDCT, in which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

------------
Restart Markers
------------

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.
The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/README-turbo.txt

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

/ *
* jcprepct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the compression preprocessing controller.
* This controller manages the color conversion, downsampling,
* and edge expansion steps.
* 
* Most of the complexity here is associated with buffering input rows
* as required by the downsampler. See the comments at the head of
* jcsample.c for the downsampler's needs.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcprepct.c

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

/ *
* wrrle.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains routines to write output images in RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
* 
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrrle.c
No license file was found, but licenses were detected in source scan.

/*
* wrbmp.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in Microsoft "BMP"
* format (MS Windows 3.x and OS/2 1.x flavors).
* Either 8-bit colormapped or 24-bit full-color format can be written.
* No compression is supported.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* This code contributed by James Arthur Boucher.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrbmp.c
No license file was found, but licenses were detected in source scan.

/*
* djpeg.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for the JPEG decompressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
*
* Two different command line styles are permitted, depending on the
  compile-time switch TWO_FILE_COMMANDLINE:
  * djpeg [options] inputfile outputfile
  * djpeg [options] [inputfile]
  * In the second style, output is always to standard output, which you'd
    normally redirect to a file or pipe to some other program. Input is
    either from a named file or from standard input (typically redirected).
  * The second style is convenient on Unix but is unhelpful on systems that
    don't support pipes. Also, you MUST use the first style if your system
    doesn't do binary I/O to stdin/stdout.
  * To simplify script writing, the "-outfile" switch is provided. The syntax
    djpeg [options] -outfile outputfile inputfile
    * works regardless of which command line style is used.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/djpeg.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the JPEG system-independent memory management
 * routines. This code is usable across a wide variety of machines; most
 * of the system dependencies have been isolated in a separate file.
 * The major functions provided here are:
 *  * pool-based allocation and freeing of memory;
 *  * policy decisions about how to divide available memory among the
 *   virtual arrays;
 *  * control logic for swapping virtual arrays between main memory and
 *   backing storage.
 * The separate system-dependent file provides the actual backing-storage
 * access code, and it contains the policy decision about how much total
 * main memory to use.
 * This file is system-dependent in the sense that some of its functions
 * are unnecessary in some systems. For example, if there is enough virtual
 * memory so that backing storage will never be used, much of the virtual
 * array control logic could be removed. (Of course, if you have that much
 * memory then you shouldn't care about a little bit of unused code...)
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
No license file was found, but licenses were detected in source scan.

/ *
  * jctrans.c
  *
  * Copyright (C) 1995-1998, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains library routines for transcoding compression,
  * that is, writing raw DCT coefficient arrays to an output JPEG file.
  * The routines in jcapimin.c will also be needed by a transcoder.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jctrans.c

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: For conditions of distribution and use, see copyright notice in jsimdext.inc

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimdcpu.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimmxred.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jccolss2.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcsammmx.asm
1.2.90/simd/jdmerss2.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgss2-64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdssasmss2.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnts2f.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jisseflt.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2red.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcclrmmmx.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcclrms2.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcclrss2.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcgrymmx.asm
/*
 * This file was part of the Independent JPEG Group's software:
 * 
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * 
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * 
 * This file contains code for merged upsampling/color conversion.
 *
 * When the chroma components are to be upsampled by simple replication
 * (ie, box filtering), we can save some work in color conversion by
 * calculating all the output pixels corresponding to a pair of chroma
 * samples at one time.  In the conversion equations
 * 
 * R = Y + K1 * Cr
 * G = Y + K2 * Cb + K3 * Cr
 * B = Y + K4 * Cb
 * 
 * only the Y term varies among the group of pixels corresponding to a pair
 * of chroma samples, so the rest of the terms can be calculated just once.
 * At typical sampling ratios, this eliminates half or three-quarters of the
 *
* multiplications needed for color conversion.

* This file currently provides implementations for the following cases:
  * YCbCr => RGB color conversion only.
  * Sampling ratios of 2h1v or 2h2v.
  * No scaling needed at upsample time.
  * Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
  * the only common cases. (For uncommon cases we fall back on the more
  * general code in jdsample.c and jdcolor.c.)

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591920217.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmerge.c

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

/*
 * jsimd_none.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 * This file contains stubs for when there is no SIMD support available.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591920217.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimd_none.c

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

/*
 * cdjpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains common support routines used by the IJG application
 * programs (cjjpeg, djjpeg, jpegtran).
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591920217.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
/*
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for decompression.
 * This controller is the top level of the JPEG decompressor proper.
 * The coefficient buffer lies between entropy decoding and inverse-DCT steps.
 *
 * In buffered-image mode, this controller is the interface between
 * input-oriented processing and output-oriented processing.
 * Also, the input side (only) is used when reading a file for transcoding.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcoefct.c

/*
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG compressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 *cjpeg [options] inputfile outputfile
 *cjpeg [options] [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system

* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* cjpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cjpeg.c
No license file was found, but licenses were detected in source scan.

/*
* rdswitch.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to process some of cjpeg's more complicated
* command-line switches. Switches processed here are:
* -qtables file Read quantization tables from text file
* -scans file Read scan script from text file
* -quality N[N,...] Set quality ratings
* -qslots N[N,...] Set component quantization table selectors
* -sample HxV[HxV,...] Set component sampling factors
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdswitch.c
No license file was found, but licenses were detected in source scan.

/*
* jquant2.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
externally-given color map.

* Note: ordered dithering is not supported, since there isn't any fast
* way to compute intercolor distances; it's unclear that ordered dither's
* fundamental assumptions even hold with an irregularly spaced color map.
* /

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

/*
 * jerror.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains simple error-reporting and trace-message routines.
 * These are suitable for Unix-like systems and others where writing to
 * stderr is the right thing to do. Many applications will want to replace
 * some or all of these routines.
 *
 * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
 * you get a Windows-specific hack to display error messages in a dialog box.
 * It ain't much, but it beats dropping error messages into the bit bucket,
 * which is what happens to output to stderr under most Windows C compilers.
 *
 * These routines are used by both the compression and decompression code.
 */

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

/*
 * jidctint.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modification developed 2002-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on an algorithm described in C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics, Speech, and Signal Processing 1989 (ICASSP '89), pp. 988-991. The primary algorithm described there uses 11 multiplies and 29 adds. We use their alternate method with 12 multiplies and 32 adds. The advantage of this method is that no data path contains more than one multiplication; this allows a very simple and accurate implementation in scaled fixed-point arithmetic, with a minimal number of shifts.

We also provide IDCT routines with various output sample block sizes for direct resolution reduction or enlargement without additional resampling: NxN (N=1...16) pixels for one 8x8 input DCT block.

For N<8 we simply take the corresponding low-frequency coefficients of the 8x8 input DCT block and apply an NxN point IDCT on the sub-block to yield the downscaled outputs. This can be seen as direct low-pass downsampling from the DCT domain point of view rather than the usual spatial domain point of view, yielding significant computational savings and results at least as good as common bilinear (averaging) spatial downsampling.

For N>8 we apply a partial NxN IDCT on the 8 input coefficients as lower frequencies and higher frequencies assumed to be zero. It turns out that the computational effort is similar to the 8x8 IDCT regarding the output size. Furthermore, the scaling and descaling is the same for all IDCT sizes.

CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.

CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctint.c

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

/*
* transupp.h
*
* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains declarations for image transformation routines and
* other utility code used by the jpegtran sample application. These are
* NOT part of the core JPEG library. But we keep these routines separate
* from jpegtran.c to ease the task of maintaining jpegtran-like programs
* that have other user interfaces.
*
* NOTE: all the routines declared here have very specific requirements
* about when they are to be executed during the reading and writing of the
* source and destination files. See the comments in transupp.c, or see
* jpegtran.c for an example of correct usage.
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/transupp.h

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

libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100 image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and its about time they become a part of history only. They are too small, come from data sources too old and are available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

Images are available without any prohibitive copyright restrictions.

These images are (c) there respective owners. You are granted full redistribution and publication rights on these images provided:

1. The origin of the pictures must not be misrepresented; you must not claim that you took the original pictures. If you use, publish or redistribute them, an acknowledgment would be appreciated but is not required.
2. Altered versions must be plainly marked as such, and must not be misinterpreted as being the originals.
3. No payment is required for distribution this material, it must be available freely under the conditions stated here. That is, it is prohibited to sell the material.
4. This notice may not be removed or altered from any distribution.

Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Frhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser,
Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info


Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/testimages/nightshot_iso_100.txt

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

/ *
* jccoefct.c
* 
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the coefficient buffer controller for compression.
* This controller is the top level of the JPEG compressor proper.
* The coefficient buffer lies between forward-DCT and entropy encoding steps.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccoefct.c

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

/ *
* jversion.h
* 
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, 2012-2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains software version identification.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jversion.h

No license file was found, but licenses were detected in source scan.
/*
 * jdmrgext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains code for merged upsampling/color conversion.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmrgext.c
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_i386.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on a
 * 32-bit x86 architecture.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd_i386.c
No license file was found, but licenses were detected in source scan.

/*
 * jfdctfst.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains a fast, not so accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 */
A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT on each column. Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.

The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.

```
/*
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG compressor.
 * These routines are concerned with parameter validation, initial setup,
 * and inter-pass control (determining the number of passes and the work to be done in each pass).
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcmaster.c

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

```
1.2.90 (1.3 beta1)

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The tjDecompressToYUV() function now supports the TJFLAG_FASTDCT flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with 'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)

[9] The width and height in the -crop argument passed to jpegtran can now be suffixed with "f" to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)

[11] Fixed a regression caused by 1.2.1[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.
The in-memory source/destination managers (jpeg_mem_src() and jpeg_mem_dest()) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1
=====

Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVDQU instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.
[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form “%define' expects a macro identifier”.

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimdefg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.

[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can
be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
=================================

[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added a function to the TurboJPEG API that performs lossless transforms. This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient version of TJBUFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the
TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
======

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.
[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.


[7] Eliminated errors in the output of cjpeg on Windows that occurred when the application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
=====

[1] The algorithm used by the SIMD quantization function cannot produce correct results when the JPEG quality is >= 98 and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.


[5] The Windows distribution packages now include the libjpeg run-time programs (cjpeg, etc.)

[6] All packages now include jpgtest.


[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.
1.0.90 (1.1 beta1)

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.


[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpg2test can now be used to test decompression performance with existing JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.

[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.

1.0.1

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.
1.0.0

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90

Initial release
TurboJPEG Java Wrapper

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under org/libjpegturbo/turbojpeg. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of libjpeg-turbo.

TJExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill
performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-allocating the buffers is recommended.

Installation Directory

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path={path_to_JNI_library} to java.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/README
No license file was found, but licenses were detected in source scan.

/*
 * jdcolext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains output colorspace conversion routines.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcolext.c
No license file was found, but licenses were detected in source scan.

License: BSD-style
libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/libjpeg-turbo.spec.in
No license file was found, but licenses were detected in source scan.

Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features color space extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/deb-control.tmpl
No license file was found, but licenses were detected in source scan.

/*
 * jdtrans.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding decompression,
 * that is, reading raw DCT coefficient arrays from an input JPEG file.
 * The routines in jdapimin.c will also be needed by a transcoder.
Open Source Used In Data Center Network Manager 11.5(1) 17360

*/

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

; jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
; This software is provided 'as-is', without any express or implied
; warranty. In no event will the authors be held liable for any damages
; arising from the use of this software.
;
; Permission is granted to anyone to use this software for any purpose,
; including commercial applications, and to alter it and redistribute it
; freely, subject to the following restrictions:
;
; 1. The origin of this software must not be misrepresented; you must not
; claim that you wrote the original software. If you use this software
; in a product, an acknowledgment in the product documentation would be
; appreciated but is not required.
; 2. Altered source versions must be plainly marked as such, and must not be
; misrepresented as being the original software.
; 3. This notice may not be removed or altered from any source distribution.
;
; [TAB8]

; System-dependent configurations

%ifdef WIN32; ----(nasm -fwin32 -DWIN32 ...)--------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16

else
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
%endif

%elifdef WIN64; -----(nasm -fwin64 -DWIN64 ...)-------
; * Microsoft Visual C++

; -- segment definition --
;
%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name) name			; foo() -> foo

%elifdef OBJ32; ----(nasm -fobj -DOBJ32 ...)----------
; * Borland C++ (Win32)

; -- segment definition --
;
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .data align=16 public use32 class=DATA

%elifdef ELF; -----(nasm -felf[64] -DELF ...)-----------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; ELF supports PIC
%define EXTN(name) name; foo() -> foo

%elifdef AOUT; ----(nasm -faoutb/aout -DAOUT ...)----
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ----(nasm -fmacho -DMACHO ...)--------
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;
%define SEG_TEXT .text ;align=16; nasm doesn't accept align=16. why?
%define SEG_CONST .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL __MACHO_PIC__; Mach-O style code-relative addressing

%else; ----(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

%endif; ----------------------------------------------

; ==========================================================================
; --------------------------------------------------------------------------
;  Common types
;
%ifdef __x86_64__
%define POINTER qword ; general pointer type
%define SIZEOF_POINTER SIZEOF_QWORD ; sizeof(POINTER)
%define POINTER_BIT QWORD_BIT ; sizeof(POINTER)*BYTE_BIT

---
%define POINTER          dword    ; general pointer type
%define SIZEOF_POINTER   SIZEOF_DWORD ; sizeof(POINTER)
%define POINTER_BIT     DWORD_BIT ; sizeof(POINTER)*BYTE_BIT
%endif

%define INT              dword    ; signed integer type
%define SIZEOF_INT       SIZEOF_DWORD ; sizeof(INT)
%define INT_BIT          DWORD_BIT ; sizeof(INT)*BYTE_BIT

%define FP32             dword    ; IEEE754 single
%define SIZEOF_FP32      SIZEOF_DWORD ; sizeof(FP32)
%define FP32_BIT         DWORD_BIT ; sizeof(FP32)*BYTE_BIT

%define MMWORD           qword    ; int64  (MMX register)
%define SIZEOF_MMWORD    SIZEOF_QWORD ; sizeof(MMWORD)
%define MMWORD_BIT       QWORD_BIT ; sizeof(MMWORD)*BYTE_BIT

; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.
%define XMMWORD
%define SIZEOF_XMMWORD   SIZEOF_QWORD ; sizeof(XMMWORD)
%define XMMWORD_BIT      QWORD_BIT ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
%define XMM_DWORD
%define XMM_MMWORD

%define SIZEOF_BYTE      1    ; sizeof(BYTE)
%define SIZEOF_WORD      2    ; sizeof(WORD)
%define SIZEOF_DWORD     4    ; sizeof(DWORD)
%define SIZEOF_QWORD     8    ; sizeof(QWORD)
%define SIZEOF_OWORD     16   ; sizeof(OWORD)

%define BYTE_BIT         8    ; CHAR_BIT in C
%define WORD_BIT         16   ; sizeof(WORD)*BYTE_BIT
%define DWORD_BIT        32   ; sizeof(DWORD)*BYTE_BIT
%define QWORD_BIT        64   ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT        128  ; sizeof(OWORD)*BYTE_BIT

;-------------------------------------------------------------------
;  External Symbol Name
;
 ifndef EXTN
 %define EXTN(name) _ %+ name	 ; foo() -> _foo
 %endif

;-------------------------------------------------------------------
; Macros for position-independent code (PIC) support
;
ifndef GOT_SYMBOL
    undef PIC
    endif

ifdef PIC ; -------------------------------------------
ifn dram GOT_SYMBOL, _MACHO_PIC_ ; --------------

; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.

SECTION SEG CONST
const_base:

%define GOTOFF(got, sym) (got) + (sym) - const_base

%imacro get_GOT 1
; NOTE: this macro destroys ecx resister.
call %geteip
addecx, byte (%ref - $)
jmpshort %adjust
%geteip:
mov ecx, POINTER [esp]
ret
%adjust:
pushebp
xorebp, ebp; ebp = 0
ifn dram 1 == ebx; (%1 == ebx)
    db 0x8D,0x9C + jmp near const_base =
    lea ebx, [ecx+ebp*8+(const_base-%ref)] ; 8D,9C,E9,(offset32)
db0x8D,0x9C; 8D,9C
    jmpnear const_base; E9,(const_base-%ref)
%ref:
else ; (%1 != ebx)
    db 0x8D,0x8C + jmp near const_base =
    lea ecx, [ecx+ebp*8+(const_base-%ref)] ; 8D,8C,E9,(offset32)
db0x8D,0x8C; 8D,8C
    jmpnear const_base; E9,(const_base-%ref)
%ref:mov%1, ecx
%endif ; (%1 == ebx)
popebp
%endmacro

else; GOT_SYMBOL != _MACHO_PIC_ --------------

%define GOTOFF(got, sym) (got) + (sym) wrt ..gotoff
%imacro get_GOT1
extern GOT_SYMBOL
call %geteip
add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmp short %%done

%%%geteip:
mov%1, POINTER [esp]
ret

%%%done:
endmacro

%endif; GOT_SYMBOL == _MACHO_PIC_ ----------------

%imacro pushpic1.nolist
push%1
endmacro
%imacro poppic1.nolist
pop%1
endmacro
%imacro movpic2.nolist
mov%1,%2
endmacro

%else; !PIC -----------------------------------------

%define GOTOFF(got,sym) (sym)

%imacro get_GOT1.nolist
endmacro
%imacro pushpic1.nolist
endmacro
%imacro poppic1.nolist
endmacro
%imacro movpic2.nolist
endmacro

%endif; PIC -----------------------------------------

; --------------------------------------------------------------------------
; Align the next instruction on {2,4,8,16,...}-byte boundary.
; ".balign n,,m" in GNU as
;
%define MSKLE(x,y)  (~(((y) & 0xFFFF) - ((x) & 0xFFFF)) >> 16)
%define FILLB(b,n)  (($$-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%%bs: %times MSKLE(%%bs,%1),%2 MSKLE(16,FILLB($,%1)) & FILLB($,%1) \
db 0x90 ; nop
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/9 \
  db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/7 \
  db 0x8D,0xAC,0x25,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/6 \
  db 0x8D,0xAD,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/4 \
  db 0x8D,0x6C,0x25,0x00 ; lea ebp,[ebp+0x00]
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/3 \
  db 0x8D,0x6D,0x00 ; lea ebp,[ebp+0x00]
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/2 \
  db 0x8B,0xED ; mov ebp,ebp
times MSKLE(FILLB(%bs,%1),%2) & FILLB($,%1)/1 \
  db 0x90 ; nop
%endmacro

; Align the next data on {2,4,8,16,...}-byte boundary.
;
%imacro alignz 1.nolist
align %1, db 0; filling zeros
%endmacro

%ifdef __x86_64__
%ifdef WIN64

%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9
mov r14, [rax+48]
mov r15, [rax+56]
push rsi
push rdi
sub rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm6
sub rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm7
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsp]
add rsp, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsp]
add rsp, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro

%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro

%endif

%endif

; --------------------------------------------------------------------------
;  Defines picked up from the C headers
;
%include "jsimdcfg.inc"

; --------------------------------------------------------------------------
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimdext.inc
No license file was found, but licenses were detected in source scan.

/ *
* jccolext.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccolext.c
No license file was found, but licenses were detected in source scan.

/ *
* jidctflt.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains a floating-point implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
* *
* This implementation should be more accurate than either of the integer
* IDCT implementations. However, it may not give the same results on all
* machines because of differences in roundoff behavior. Speed will depend
* on the hardware's floating point capacity.
* *
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
* *
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctflt.c
No license file was found, but licenses were detected in source scan.

/*
* jchuff.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains Huffman entropy encoding routines.
*
* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jchuff.c
No license file was found, but licenses were detected in source scan.

/*
* jdmaster.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2002-2009 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains master control logic for the JPEG decompressor.
* These routines are concerned with selecting the modules to be executed
* and with determining the number of passes and the work to be done in each
* pass.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmaster.c
No license file was found, but licenses were detected in source scan.

/*
* rdgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in GIF format.
*
*****************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression,    *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that.                                                       *
*****************************************************************************
*
* We are required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated."
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdgif.c
No license file was found, but licenses were detected in source scan.

/*
* jcmainct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG compressor proper; it holds downscaled data in the JPEG colorspace.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcmainct.c

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

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/ReadMe.rtf

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

/*
 * jpeglib.h
 *
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 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
This file defines the application interface for the JPEG library. Most applications using the library need only include this file, and perhaps jerror.h if they want to know the exact error codes.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpeglib.h
No license file was found, but licenses were detected in source scan.

jcomapi.c
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.

This file contains application interface routines that are used for both compression and decompression.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcomapi.c
No license file was found, but licenses were detected in source scan.

jerror.h
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.

This file defines the error and message codes for the JPEG library. Edit this file to add new codes, or to translate the message strings to some other language.
* A set of error-reporting macros are defined too. Some applications using the JPEG library may wish to include this file to get the error codes and/or the macros.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jerror.h
No license file was found, but licenses were detected in source scan.
/*
* rdppm.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2009 by Bill Allombert, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to read input images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed PPM format).
*/

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdppm.c
No license file was found, but licenses were detected in source scan.

/*
* jdhuff.h
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains declarations for Huffman entropy decoding routines
* that are shared between the sequential decoder (jdhuff.c) and the

---

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* progressive decoder (jdphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdhuff.h
No license file was found, but licenses were detected in source scan.

/*
 * cderror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the error and message codes for the cjpeg/djpeg
 * applications. These strings are not needed as part of the JPEG library
 * proper.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cderror.h
No license file was found, but licenses were detected in source scan.

/*
 * jdatadst-tj.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2009-2012 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
/*
 * jquant1.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values. Optional Floyd-Steinberg or ordered dithering is available.
 */

Found in path(s):
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jquant1.c
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; for more details.

Found in path(s):
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxfst.asm
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2fst.asm
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2fst-64.asm
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimmxfst.asm
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2fst.asm
* /libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2fst-64.asm
No license file was found, but licenses were detected in source scan.

/*
* jcapi std.c

* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.

* This file contains application interface code for the compression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-compression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapi min.c to avoid linking the
* whole compression library into a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rp
cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpe
g-turbo-1.2.90/jcapi std.c

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

/*
* jcconfig.txt
*
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file documents the configuration options that are required to
* customize the JPEG software for a particular system.
*
* The actual configuration options for a particular installation are stored
* in jcconfig.h. On many machines, jcconfig.h can be generated automatically
* or copied from one of the "canned" jcconfig files that we supply. But if
* you need to generate a jcconfig.h file by hand, this file tells you how.
*
* DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
* EDIT A COPY NAMED JCONFIG.H.
*/

/*
* These symbols indicate the properties of your machine or compiler.
* #define the symbol if yes, #undef it if no.
*/

/* Does your compiler support function prototypes?
* (If not, you also need to use ansi2knr, see install.txt)
*/
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char"? */
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void. */
* NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc(). */
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword. */
/* #define const */

/* Define this if an ordinary "char" type is unsigned. */
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal. */
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file. */
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file. */
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>, */
* but does have a BSD-style <strings.h>. */
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the */
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
* <sys/types.h> instead. */
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS, */
* unless you are using a large-data memory model or 80386 flat-memory mode. */
* On less brain-damaged CPUs this symbol must not be defined. */
* (Defining this symbol causes large data structures to be referenced through */
* "far" pointers and to be allocated with a special version of malloc.)
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get "missing structure definition" warnings or errors while
* compiling the JPEG code.
*/
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
*/
#ifdef _WIN32
#ifndef __RPCNDR_H__	/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN	/* prevent jmorecfg.h from redefining it */
#endif

/* The following options affect code selection within the JPEG library,
* but they don't need to be visible to applications using the library.
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/
#ifdef JPEG_INTERNALS

/* Define this if your compiler implements ">>" on signed values as a logical
* (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
* which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/* The remaining options do not affect the JPEG library proper,
* but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
* Other applications can ignore these.
*/

#ifndef JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */
#define BMP_SUPPORTED /* BMP image file format */
#define GIF_SUPPORTED /* GIF image file format */
#define PPM_SUPPORTED /* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED /* Utah RLE image file format */
#define TARGA_SUPPORTED /* Targa image file format */

/* Define this if you want to name both input and output files on the command
 line, rather than using stdout and optionally stdin. You MUST do this if
 your system can't cope with binary I/O to stdin/stdout. See comments at
 head of cj jpeg.c or dj jpeg.c.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
 * This is crucial under MS-DOS, where the temporary "files" may be areas
 * of extended memory; on most other systems it's not as important.
 */
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...,"rb") or fopen(...,"wb").
 * This is necessary on systems that distinguish text files from binary files,
 * and is harmless on most systems that don't. If you have one of the rare
 * systems that complains about the "b" spec, define this symbol.
 */
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cj jpeg/d jpeg.
*/
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jconfig.txt
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: SYSTEM ARCHITECTURE
This file provides an overview of the architecture of the IJG JPEG software;
that is, the functions of the various modules in the system and the interfaces
between modules. For more precise details about any data structure or calling
convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.
The README file includes references for learning about JPEG. The file
libjpeg.txt describes the library from the viewpoint of an application
programmer using the library; it's best to read that file before this one.
Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an 8x8 group of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size
determined by the sampling factors, or a single block in a
noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say
pixel, we mean an element of the full-size image, while a sample is an element
of the downsampled image. Thus the number of samples may vary across
components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would
otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform
  JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple
command-line user interface and I/O routines for several uncompressed image
formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended
sequential, and progressive DCT processes. Hierarchical processes are not
supported.
The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the
code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:
JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).

[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module.
The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing.
steps, many of which have several possible behaviors. To avoid cluttering the
code with lots of switch statements, we use a simple form of object-style
programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented
as two separate modules that present the same external interface; at runtime,
the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C.
The basic tool is a function pointer. An "object" is just a struct
containing one or more function pointer fields, each of which corresponds to
a method name in real object-oriented languages. During initialization we
fill in the function pointers with references to whichever module we have
determined we need to use in this run. Then invocation of the module is done
by indirection through a function pointer; on most machines this is no more
expensive than a switch statement, which would be the only other way of
making the required run-time choice. The really significant benefit, of
course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different
implementations of the same kind of object. We do this by making all the
module-specific object structs be separately allocated entities, which will
be accessed via pointers in the master compression or decompression struct.
The "public" fields or methods for a given kind of object are specified by
a commonly known struct. But a module's initialization code can allocate
a larger struct that contains the common struct as its first member, plus
additional private fields. With appropriate pointer casting, the module's
internal functions can access these private fields. (For a simple example,
see jdatadst.c, which implements the external interface specified by struct
jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are
not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple
versions of any method, each tuned to a particular case. While a lot of
precalculation might be done to select an optimal implementation of a method,
the cost per invocation is constant. For example, the upsampling step might
have a "generic" method, plus one or more "hardwired" methods for the most
popular sampling factors; the hardwired methods would be faster because they'd
use straight-line code instead of for-loops. The cost to determine which
method to use is paid only once, at startup, and the selection criteria are
hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that
only one instance of each object class will exist during execution. The
reason for having the class structure is that on different runs we may create
different instances (choose to execute different modules). You can think of
the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:
   1A. Startup initialization at the beginning of image processing. The individual processing modules to be used in this run are selected and given initialization calls.
   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

   Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

   Each buffer controller sees the world as follows:

   input data => processing step A => buffer => processing step B => output data
       |            |            |
   -------------------- controller ---------------------

   The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

   A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with
elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:

* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)

* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
    |-- Preprocessing controller --|
    |                              |-- Downsampling
Main controller --|
    |-- Forward DCT, quantize
    |-- Coefficient controller --|
    |                            |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data
buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as Vmax pixel rows of each component before downsampling, and Vk sample rows afterwards (remember Vk differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).
* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
|--- Entropy decoding
    |--- Coefficient controller --|
    |   |--- Dequantize, Inverse DCT
Main controller --|
    |--- Upsampling
    |--- Postprocessing controller --|--- Colorspace conversion
    |   |--- Color quantization
    |   |--- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary
task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module
is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jdinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this
processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as GETJSAMPLE(image[colorcomponent][row][col]) where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which
the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays

The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCKS, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.
*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.
This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:
- JPOOL_PERMANENT lasts until master record is destroyed
- JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)
The memory manager deals with three kinds of objects:

1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.

3. realize_virt_arrays will be called at the completion of initial setup. The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers.

Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

- jpeg_mem_init, jpeg_mem_term - system-dependent initialization/shutdown
- jpeg_get_small, jpeg_free_small - interface to malloc and free library routines (or their equivalents)
- jpeg_get_large, jpeg_free_large - interface to FAR malloc/free in MSDOS machines; else usually the same as
On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). `jpeg_open_backing_store` is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.

This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will
result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won’t be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn’t too great. However, it implies that you don’t even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor’s Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we’d simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/structure.txt
No license file was found, but licenses were detected in source scan.

/*
 * jidctfst.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains a fast, not so accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.
*
* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctfst.c
No license file was found, but licenses were detected in source scan.

/ *
  * cdjpeg.h
  * 
  * Copyright (C) 1994-1997, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains common declarations for the sample applications
  * cjpeg and djpeg. It is NOT used by the core JPEG library.
  */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/cdjpeg.h
No license file was found, but licenses were detected in source scan.

/*
* rdcolmap.c

* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file implements djpeg's "-map file" switch. It reads a source image
* and constructs a colormap to be supplied to the JPEG decompressor.
*
* Currently, these file formats are supported for the map file:
* GIF: the contents of the GIF's global colormap are used.
* PPM (either text or raw flavor): the entire file is read and
* each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
*
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
* currently implemented.
*/

/* Portions of this code are based on the PBMLPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdcolmap.c

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

/*
* jmemsys.h
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.)
* 
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
* this file, the best method is to #ifdef them based on a configuration
* symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
* and USE_MAC_MEMMGR.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemsys.h
No license file was found, but licenses were detected in source scan.

/*
* jccolor.c
*
* This file was part of the Independent JPEG Group's software:
* * Copyright (C) 1991-1996, Thomas G. Lane.
* * Modifications:
* * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* * Copyright (C) 2009-2012, D. R. Commander.
* * For conditions of distribution and use, see the accompanying README file.
* *
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccolor.c
No license file was found, but licenses were detected in source scan.

/*
* rdtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* * This file is part of the Independent JPEG Group's software.
* * For conditions of distribution and use, see the accompanying README file.
* *
* This file contains routines to read input images in Targa format.
* *
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
* Based on code contributed by Lee Daniel Crocker.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdtarga.c
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a slow-but-accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
* This implementation is based on an algorithm described in
* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jfdctint.c
No license file was found, but licenses were detected in source scan.

/*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains tables and miscellaneous utility routines needed
* for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
  * a surrounding application.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jutils.c
No license file was found, but licenses were detected in source scan.

/
* wrppm.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modified 2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write output images in PPM/PGM format.
* The extended 2-byte-per-sample raw PPM/PGM formats are supported.
* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrppm.c
No license file was found, but licenses were detected in source scan.

/
* wrtarga.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to write output images in Targa format.
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
* Based on code contributed by Lee Daniel Crocker.
*/
*/
* jddctmgr.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2010 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.
*
* Note that the IDCT routines are responsible for performing coefficient
* dequantization as well as the IDCT proper. This module sets up the
* dequantization multiplier table needed by the IDCT routine.
*/

*/
* jcapimin.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* Modified 2003-2010 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains application interface code for the compression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-compression case or the transcoding-only
* case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jcapistd.c. But also see jcparam.c for
* parameter-setup helper routines, jcomapi.c for routines shared by
* compression and decompression, and jctrans.c for the transcoding case.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcarith.c
No license file was found, but licenses were detected in source scan.

/*
 * jcarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy encoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

IJG JPEG LIBRARY: CODING RULES

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This file is part of the Independent JPEG Group's software.
For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding
Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and
Brader). This document is available in the IJG FTP archive (see

Block comments should be laid out thusly:

/*
 * Block comments in this style.
 */
We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g., multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

LOCAL(int *)
function_name (int a, char *b)
{
    code...
}

Note that each function definition must begin with GLOBAL(type), LOCAL(type), or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as

#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist

which is used like this:

struct function_pointers {
    JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    JMETHOD(void, term_entropy_encoder, (void));
};
Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations (see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other
applications.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/coderules.txt
No license file was found, but licenses were detected in source scan.

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* 2. Altered source versions must be plainly marked as such, and must not be
* 3. This notice may not be removed or altered from any source distribution.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd_arm_neon.S
No license file was found, but licenses were detected in source scan.

/ *
 * jsimddct.h
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimddct.h
No license file was found, but licenses were detected in source scan.

/ *
 * jdhuff.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdhuff.c
No license file was found, but licenses were detected in source scan.

/*
 * jsimd.h
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimd.h
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; more details.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2int.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimmxint.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/fss2int.asm
No license file was found, but licenses were detected in source scan.

/*
 * jcdctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2011 D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the forward-DCT management logic.
 * This code selects a particular DCT implementation to be used,
 * and it performs related housekeeping chores including coefficient
 * quantization.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcdctmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jaricom.c
No license file was found, but licenses were detected in source scan.

/*
 * jchuff.h
 */
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains declarations for Huffman entropy encoding routines
* that are shared between the sequential encoder (jchuff.c) and the
* progressive encoder (jcphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jchuff.h

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

// Natural Docs is licensed under the GPL.

Found in path(s):

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

/*! 
 * rdbmp.c 
 */

* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2010 by Guido Vollbeding.
* Modifications:
* Modified 2011 by Siarhei Siamashka.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to read input images in Microsoft "BMP"
* format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
* Currently, only 8-bit and 24-bit images are supported, not 1-bit or
* 4-bit (feeding such low-depth images into JPEG would be silly anyway).
* Also, we don't support RLE-compressed files.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).
*
* This code contributed by James Arthur Boucher.
*/
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdbmp.c
No license file was found, but licenses were detected in source scan.
* jdpostct.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the decompression postprocessing controller.
* This controller manages the upsampling, color conversion, and color
* quantization/reduction steps; specifically, it controls the buffering
* between upsample/color conversion and color quantization/reduction.
* If no color quantization/reduction is required, then this module has no
* work to do, and it just hands off to the upsample/color conversion code.
* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdpostct.c
No license file was found, but licenses were detected in source scan.

/**
* jinclude.h
*
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file exists to provide a single place to fix any problems with
* including the wrong system include files. (Common problems are taken
* care of by the standard jconfig symbols, but on really weird systems
* you may have to edit this file.)
*
* NOTE: this file is NOT intended to be included by applications using the
* JPEG library. Most applications need only include jpeglib.h.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jinclude.h
No license file was found, but licenses were detected in source scan.

License: IJG

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo.spec
No license file was found, but licenses were detected in source scan.

/*
 * jdcolor.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2011 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2009, 2011-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains output colorspace conversion routines.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcolor.c

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

/*
 * jmemnobs.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a really simple implementation of the system-
 * dependent portion of the JPEG memory manager. This implementation
 * assumes that no backing-store files are needed: all required space
 * can be obtained from malloc().
 * This is very portable in the sense that it'll compile on almost anything,
 * but you'd better have lots of main memory (or virtual memory) if you want
 * to process big images.
 * Note that the max_memory_to_use option is ignored by this implementation.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemnobs.c

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

/*
 * jcsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 */
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains downsampling routines.
*
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
*
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
*
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
*
* An excellent reference for image resampling is
*
* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.
*
* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcsample.c

No license file was found, but licenses were detected in source scan.
/*
* simd/jsimd.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd.h
No license file was found, but licenses were detected in source scan.

/*
* jdmainct.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
* *
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmainct.c
No license file was found, but licenses were detected in source scan.

/*
* jcparam.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains optional default-setting code for the JPEG compressor.
* Applications do not have to use this file, but those that don't use it
* must know a lot more about the innards of the JPEG code.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcparam.c

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

/*
* jcparam.c
*
* Developed 1997-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains portable arithmetic entropy decoding routines for JPEG
*
* Both sequential and progressive modes are supported in this single module.
*
* Suspension is not currently supported in this module.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcparam.c

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

/*
* jdarith.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains portable arithmetic entropy decoding routines for JPEG
* Both sequential and progressive modes are supported in this single module.
* Suspension is not currently supported in this module.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdarith.c

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

/*
* jdatasrc.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETs from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatasrc.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for JPEG transcoding.
 * It is very similar to cjpeg.c, and partly to djpeg.c, but provides
 * lossless transcoding between different JPEG file formats. It also
 * provides some lossless and sort-of-lossless transformations of JPEG data.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegtran.c
No license file was found, but licenses were detected in source scan.

From c51b66ebeace2adec0cfbe42d25cb418ed002a2 Mon Sep 17 00:00:00 2001
From: DRC <information@libjpeg-turbo.org>
Date: Fri, 20 Jul 2018 17:21:36 -0500
Subject: [PATCH] cjpeg: Fix OOB read caused by malformed 8-bit BMP

... in which one or more of the color indices is out of range for the
number of palette entries.

Fix partly borrowed from jpeg-9c. This commit also adopts Guido's
JERR_PPM_OUTOFRANGE enum value in lieu of our project-specific
JERR_PPM_TOOLARGE enum value.

Fixes #258
---
cerror.h | 5 +++--
rdbmp.c | 7 ++++++-
rdbppm.c | 4 ++--
3 files changed, 11 insertions(+), 5 deletions(-)
diff --git a/cerror.h b/cerror.h
index d69b501..46b0f49 100644
--- a/cderror.h
+++ b/cderror.h
@@ -2,7 +2,7 @@
/* cderror.h */
/*
 * Copyright (C) 1994-1997, Thomas G. Lane.
- * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 @ @ -48.6 +48.7 @@ JMESSAGE(JERR_BMP_COLORSPACE, "BMP output must be grayscale or RGB")
 JMESSAGE(JERR_BMP_COMPRESSED, "Sorry, compressed BMPs not yet supported")
 JMESSAGE(JERR_BMP_EMPTY, "Empty BMP image")
 JMESSAGE(JERR_BMP_NOT, "Not a BMP file - does not start with BM")
+JMESSAGE(JERR_BMP_OUTOFRANGE, "Numeric value out of range in BMP file")
 JMESSAGE(JTRC_BMP, "%ux%u 24-bit BMP image")
 JMESSAGE(JTRC_BMP_MAPPED, "%ux%u 8-bit colormapped BMP image")
 JMESSAGE(JTRC_BMP_OS2, "%ux%u 24-bit OS2 BMP image")
@@ -74,8 +75,8 @@
 JMESSAGE(JWRN_GIF_NOMOREDATA, "Ran out of GIF bits")
 #ifdef PPM_SUPPORTED
 JMESSAGE(JERR_PPM_COLORSPACE, "PPM output must be grayscale or RGB")
 JMESSAGE(JERR_PPM_NONNUMERIC, "Nonnumeric data in PPM file")
- JMESSAGE(JERR_PPM_TOOLARGE, "Integer value too large in PPM file")
 JMESSAGE(JERR_PPM_NOT, "Not a PPM/PGM file")
+JMESSAGE(JERR_PPM_OUTOFRANGE, "Numeric value out of range in PPM file")
 JMESSAGE(JTRC_PGM, "%ux%u PGM image")
 JMESSAGE(JTRC_PGM_TEXT, "%ux%u text PGM image")
 JMESSAGE(JTRC_PPM, "%ux%u PPM image")
diff --git a/rdbmp.c b/rdbmp.c
index c053074..7a27cab 100644
--- a/rdbmp.c
+++ b/rdbmp.c
@@ -3,7 +3,7 @@
/*
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Modified 2011 by Siarhei Siamashka.
 * For conditions of distribution and use, see the accompanying README file.
 @ @ -64.6 +64.7 @@
 typedef struct _bmp_source_struct {
 JDIMENSION row_width;/* Physical width of scanlines in file */
 int bits_per_pixel;/* remembers 8- or 24-bit format */
+ int cmap_length; /* colormap length */
 } bmp_source_struct;
get_8bit_row (j_compress_ptr cinfo, cjpeg_source_ptr sinfo)
{
    bmp_source_ptr source = (bmp_source_ptr) sinfo;
    register JSAMPARRAY colormap = source->colormap;
    int cmaplen = source->cmap_length;
    JSAMPARRAY image_ptr;
    register int t;
    register JSAMPROW inptr, outptr;
    for (col = cinfo->image_width; col > 0; col--) {
        t = GETJSAMPLE(*inptr++);
        if (t >= cmaplen)
            ERREXIT(cinfo, JERR_BMP_OUTOFRANGE);
        *outptr++ = colormap[0][t]; /* can omit GETJSAMPLE() safely */
        *outptr++ = colormap[1][t];
        *outptr++ = colormap[2][t];
    }
}

start_input_bmp (j_compress_ptr cinfo, cjpeg_source_ptr sinfo)
{
    source->colormap = (*cinfo->mem->alloc_sarray)
        ((j_common_ptr) cinfo, JPOOL_IMAGE,
             (JDIMENSION) biClrUsed, (JDIMENSION) 3);
    /* and read it from the file */
    read_colormap(source, (int) biClrUsed, mapentrysize);
    /* account for size of colormap */
    diff --git a/rdppm.c b/rdppm.c
index 5da1646..59da2bb 100644
--- a/rdppm.c
+++ b/rdppm.c
@@ -76,7 +76,7 @@ typedef struct {
        JSAMPROW pixrow;/* FAR pointer to same */
        size_t buffer_width;/* width of I/O buffer */
        JSAMPLE *rescale;/* => maxval-remapping array, or NULL */
-    int maxval;
+    unsigned int maxval;
    } ppm_source_struct;

typedef ppm_source_struct * ppm_source_ptr;
@@ -126,7 +126,7 @@ read_pbm_integer (j_compress_ptr cinfo, FILE * infile, int maxval)
}

if (val > maxval)
-    ERREXIT(cinfo, JERR_PPM_TOOLARGE);
+    ERREXIT(cinfo, JERR_PPM_OUTOFRANGE);

return val;

Found in path(s):

*/
* wrgif.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in GIF format.
*
******************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression,   *
* this code has been modified to output "uncompressed GIF" files.         *
* There is no trace of the LZW algorithm in this file.                   *
******************************************************************************
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/
*/
* This code is loosely based on ppmtogif from the PBPLUS distribution
* of Feb. 1991. That file contains the following copyright notice:
* Based on GIF ENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
* Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
* Copyright (C) 1989 by Jef Poskanzer.
* Permission to use, copy, modify, and distribute this software and its
* documentation for any purpose and without fee is hereby granted, provided
* that the above copyright notice appear in all copies and that both that
* copyright notice and this permission notice appear in supporting
* documentation. This software is provided "as is" without express or
* implied warranty.
*
* We are also required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated."
*/

Found in path(s):
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No license file was found, but licenses were detected in source scan.

; jdct.inc - private declarations for forward & reverse DCT subsystems
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; Each IDCT routine is responsible for range-limiting its results and
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could
; be quite far out of range if the input data is corrupt, so a bulletproof
; range-limiting step is required. We use a mask-and-table-lookup method
; to do the combined operations quickly.
;
%define RANGE_MASK  (MAXJSAMPLE * 4 + 3)  ; 2 bits wider than legal samples
%define ROW(n,b,s)((b)+(n)*(s))
%define COL(n,b,s)((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)

; --------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.540/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrgif.c
No license file was found, but licenses were detected in source scan.

/*
 * wrjgpcom.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a very simple stand-alone application that inserts
 * user-supplied text as a COM (comment) marker in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrjpgcom.c
No license file was found, but licenses were detected in source scan.

/*
 * jdapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-decompression case or the
 * transcoding-only case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jdapistd.c. But also see jcomapi.c for routines
 * shared by compression and decompression, and jdtrans.c for the transcoding
 * case.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdapimin.c
No license file was found, but licenses were detected in source scan.

/*
 * jcphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy encoding routines for progressive JPEG.
 *
 * We do not support output suspension in this module, since the library
 * currently does not allow multiple-scan files to be written with output
 * suspension.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcphuff.c
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/*
 * jdatadst.c
 *
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 *
 * This file contains compression data destination routines for the case of
 * emitting JPEG data to memory or to a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatadst.c

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 * jdatasrc-tj.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatasrc-tj.c
No license file was found, but licenses were detected in source scan.

/*
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 * POSSIBILITY OF SUCH DAMAGE.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tbench.c
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tjunittest.c
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg.c
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg.h
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/TJBench.java

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

/*
 * jfdctflt.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
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This file contains a floating-point implementation of the forward DCT (Discrete Cosine Transform). This implementation should be more accurate than either of the integer DCT implementations. However, it may not give the same results on all machines because of differences in roundoff behavior. Speed will depend on the hardware's floating point capacity.

A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT on each column. Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.

The primary disadvantage of this method is that with a fixed-point implementation, accuracy is lost due to imprecise representation of the scaled quantization values. However, that problem does not arise if we use floating point arithmetic.

This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.
The file example.c provides heavily commented skeleton code for calling the JPEG library. Also see jpeglib.h (the include file to be used by application programs) for full details about data structures and function parameter lists. The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

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You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.
OVERVIEW
==========

Functions provided by the library
---------------------------------

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios

We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is
Outline of typical usage

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

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
  jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
  jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an
output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
====================

Data formats
------------

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel).

PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ.
and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
-------------------

Here we revisit the JPEG compression outline given in the overview.
1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You will also need a structure representing a JPEG error handler. The part of this that the library cares about is a "struct jpeg_error_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg_error_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```c
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
  cinfo.err = jpeg_std_error(&jerr);
  jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```c
FILE * outfile;
...
  if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
```
exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);

where the last line invokes the standard destination module.

**WARNING:** it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See jpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

- **image_width** Width of image, in pixels
- **image_height** Height of image, in pixels
- **input_components** Number of color channels (samples per pixel)
- **in_color_space** Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.
Typical code for a 24-bit RGB source image is

```c
    cinfo.image_width = Width; /* image width and height, in pixels */
    cinfo.image_height = Height;
    cinfo.input_components = 3; /* # of color components per pixel */
    cinfo.in_color_space = JCS_RGB; /* colorspace of input image */
    jpeg_set_defaults(&cinfo);
    /* Make optional parameter settings here */
```

4. `jpeg_start_compress(...);`

After you have established the data destination and set all the necessary source image info and other parameters, call `jpeg_start_compress()` to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```c
    jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called `jpeg_start_compress()`, you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)
   jpeg_write_scanlines(...);

Now write all the required image data by calling `jpeg_write_scanlines()` one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.
The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)".

Code for this step depends heavily on the way that you store the source data. example.c shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

```c
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
   row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
   jpeg_write_scanlines(&cinfo, row_pointer, 1);
}
```

jpeg_write_scanlines() returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines. This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.
In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination.
jpeg_finish_compress() also releases working memory associated with the JPEG object.

Typical code:

```c
jpeg_finish_compress(&cinfo);
```

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.
If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is
legitimate at any point after calling `jpeg_create_compress()` --- in fact, it's safe even if `jpeg_create_compress()` fails.

* If you want to re-use the JPEG object, call `jpeg_abort_compress()`, or call `jpeg_abort()` which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. `jpeg_abort()` is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call `term_destination()`.
(See "Compressed data handling", below, for more about that.)

`jpeg_destroy()` and `jpeg_abort()` are the only safe calls to make on a JPEG object that has reported an error by calling `error_exit` (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details
---------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call `jpeg_create_decompress()`. Error handling is exactly the same.

Typical code:

```c
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.
If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

FILE * infile;
...
if ((infile = fopen(filename, "rb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_src(&cinfo, infile);

where the last line invokes the standard source module.

WARNING: it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

jpeg_read_header(&cinfo, TRUE);

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the
image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. jpeg_start_decompress(...);

Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

jpeg_start_decompress(&cinfo);

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; jpeg_start_decompress() will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

output_width image width and height, as scaled
output_height
out_color_components# of color components in out_color_space
output_components # of color components returned per pixel
colormap the selected colormap, if any
actual_number_of_colors number of entries in colormap

output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate data buffers (as djpeg does), then the manager's protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output_XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.
If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg_read_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must always provide a loop that calls jpeg_read_scanlines() repeatedly until the whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

jpeg_finish_decompress(&cinfo);

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call jpeg_finish_decompress() before reading the correct total number of scanlines. If you wish to abort decompression, call jpeg_abort() as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling jpeg_destroy_decompress() or jpeg_destroy(). The previous discussion of destroying compression objects applies here too.

Typical code:

jpeg_destroy_decompress(&cinfo);


You can abort a decompression cycle by calling jpeg_destroy_decompress() or jpeg_destroy() if you don't need the JPEG object any more, or jpeg_abort_decompress() or jpeg_abort() if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.
Mechanics of usage: include files, linking, etc

Applications using the JPEG library should include the header file jpeglib.h to obtain declarations of data types and routines. Before including jpeglib.h, include system headers that define at least the typedefs FILE and size_t. On ANSI-conforming systems, including <stdio.h> is sufficient; on older Unix systems, you may need <sys/types.h> to define size_t.

If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.
ADVANCED FEATURES
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Compression parameter selection

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

jpeg_default_colorspace (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization.
If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

**jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)**

Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

**int jpeg_quality_scaling (int quality)**

Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

**jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)**

[libjpeg v7+ API/ABI emulation only]

Set default quantization tables with linear q_scale_factor[] values (see below).

**jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl, const unsigned int *basic_table, int scale_factor, boolean force_baseline)**

Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).

CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like 

```
#if JPEG_LIB_VERSION >= 61
```

is the right test.

**jpeg_simple_progression (j_compress_ptr cinfo)**

Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file,
unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_color_space() if you want to change these.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.
NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs.
If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker. jpeg_set_defaults() initializes the version to 1.01 (major=minor=1). You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.
JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot,
or NULL if no table is defined for a slot. Usually these should
be set via one of the above helper routines; jpeg_add_quant_table()
is general enough to define any quantization table. The other
routines will set up table slot 0 for luminance quality and table
slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
[libjpeg v7+ API/ABI emulation only]
Linear quantization scaling factors (0-100, default 100)
for use with jpeg_default_qtables().
See rdswitch.c and cjpeg.c for an example of usage.
Note that the q_scale_factor[] values use "linear" scales, so JPEG
quality levels chosen by the user must be converted to these scales
using jpeg_quality_scaling(). Here is an example that corresponds to
cjpeg -quality 90,70:

jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);

CAUTION: Setting separate quality levels for chrominance and luminance
is mainly only useful if chrominance subsampling is disabled. 2x2
chrominance subsampling (AKA "4:2:0") is the default, but you can
explicitly disable subsampling as follows:

cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;

JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]
Pointers to Huffman coding tables, one per table slot, or NULL if
no table is defined for a slot. Slots 0 and 1 are filled with the
JPEG sample tables by jpeg_set_defaults(). If you need to allocate
more table structures, jpeg_alloc_huff_table() may be used.
Note that optimal Huffman tables can be computed for an image
by setting optimize_coding, as discussed above; there's seldom
any need to mess with providing your own Huffman tables.

[libjpeg v7+ API/ABI emulation only]
The actual dimensions of the JPEG image that will be written to the file are
given by the following fields. These are computed from the input image
dimensions and the compression parameters by jpeg_start_compress(). You can
also call jpeg_calc_jpeg_dimensions() to obtain the values that will result
from the current parameter settings. This can be useful if you are trying
to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width Actual dimensions of output image.
JDIMENSION jpeg_height

Per-component parameters are stored in the struct cinfo.comp_info[i] for
component number i. Note that components here refer to components of the
JPEG color space, *not* the source image color space. A suitably large
comp_info[] array is allocated by jpeg_set_defaults(); if you choose not
to use that routine, it's up to you to allocate the array.

int component_id
The one-byte identifier code to be recorded in the JPEG file for
this component. For the standard color spaces, we recommend you
leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must
be 1..4 according to the JPEG standard. Note that larger sampling
factors indicate a higher-resolution component; many people find
this behavior quite unintuitive. The default values are 2,2 for
luminance components and 1,1 for chrominance components, except
for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is
0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are
0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in
release v6, the compressor library will fill this in automatically;
you don't have to.)

Decompression parameter selection
----------------------------------
Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

- JDIMENSION image_width: Width and height of image
- JDIMENSION image_height
- int num_components: Number of color components
- J_COLOR_SPACE jpeg_color_space: Colorspace of image
- boolean saw_JFIF_marker: TRUE if a JFIF APP0 marker was seen
- UINT8 JFIF_major_version: Version information from JFIF marker
- UINT8 JFIF_minor_version
- UINT8 density_unit: Resolution data from JFIF marker
- UINT16 X_density
- UINT16 Y_density
- boolean saw_Adobe_marker: TRUE if an Adobe APP14 marker was seen
- UINT8 Adobe_transform: Color transform code from Adobe marker

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

- J_COLOR_SPACE out_color_space
  Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.
unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
J_DITHER_NONE no dithering: fast, very low quality
J_DITHER_ORDERED ordered dither: moderate speed and quality
J_DITHER_FS Floyd-Steinberg dither: slow, high quality
Default is J_DITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself.
[Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components rows and actual_number_of_colors columns. Ignored if not quantizing.
CAUTION: if the JPEG library creates its own colormap, the storage...
pointed to by this field is released by jpeg_finish_decompress().
Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same as described above for compression.

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE, a faster but sloppier method is used. Default is TRUE. The visual impact of the sloppier method is often very small.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look "fuzzy" with smoothing, "blocky" without. In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers before jpeg_start_decompress().

JDIMENSION output_width Actual dimensions of output image.
JDIMENSION output_height
int out_color_components Number of color components in out_color_space.
int output_components Number of color components returned.
int rec_outbuf_height Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map
index per pixel. Otherwise it equals \texttt{out\_color\_components}. The output arrays are required to be \texttt{output\_width} * \texttt{output\_components} \texttt{JSAMPLE}s wide.

\texttt{rec\_outbuf\_height} is the recommended minimum height (in scanlines) of the buffer passed to \texttt{jpeg\_read\_scanlines()}. If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, \texttt{rec\_outbuf\_height} is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4). If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring \texttt{rec\_outbuf\_height} so as to avoid data copying. (An output buffer larger than \texttt{rec\_outbuf\_height} lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces

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The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify \texttt{YCbCr} or grayscale data (JFIF), or grayscale, RGB, \texttt{YCbCr}, CMYK, or \texttt{YCCK} (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB $\leftrightarrow$ \texttt{YCbCr} and CMYK $\leftrightarrow$ \texttt{YCCK}). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field \texttt{in\_color\_space}. This is transformed to the JPEG file's color space given by \texttt{jpeg\_color\_space}. \texttt{jpeg\_set\_defaults()} chooses a reasonable JPEG color space depending on \texttt{in\_color\_space}, but you can override this by calling \texttt{jpeg\_set\_colorspace()}. Of course you must select a supported transformation. \texttt{jccolor.c} currently supports the following transformations:

\begin{itemize}
  \item \texttt{RGB} $\Rightarrow$ \texttt{YCbCr}
  \item \texttt{RGB} $\Rightarrow$ \texttt{GRAYSCALE}
  \item \texttt{YCbCr} $\Rightarrow$ \texttt{GRAYSCALE}
  \item \texttt{CMYK} $\Rightarrow$ \texttt{YCCK}
\end{itemize}

plus the null transforms: \texttt{GRAYSCALE} $\Rightarrow$ \texttt{GRAYSCALE}, \texttt{RGB} $\Rightarrow$ \texttt{RGB}, \texttt{YCbCr} $\Rightarrow$ \texttt{YCbCr}, \texttt{CMYK} $\Rightarrow$ \texttt{CMYK}, \texttt{YCCK} $\Rightarrow$ \texttt{YCCK}, and \texttt{UNKNOWN} $\Rightarrow$ \texttt{UNKNOWN}.

The de-facto file format standards (JFIF and Adobe) specify \texttt{APPn} markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. \texttt{jpeg\_set\_colorspace()}

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will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space. For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for jpeg_set_colorspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space, and this is transformed to the output color space out_color_space. jpeg_read_header's setting of jpeg_color_space can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also selects a default output color space based on (its guess of) jpeg_color_space; set out_color_space to override this. Again, you must select a supported transformation. jdcolor.c currently supports

YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an application can force grayscale JPEGs to look like color JPEGs if it only wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data (it weights distances appropriately for RGB colors). You'll need to modify the code if you want to use it for non-RGB output color spaces. Note that jquant2.c is used to map to an application-supplied colormap as well as for the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect. This is arguably a bug in Photoshop, but if you need to work with Photoshop CMYK files, you will have to deal with it in your application. We cannot "fix" this in the library by inverting the data during the CMYK<=>YCCK transform, because that would break other applications, notably Ghostscript. Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK data in the same inverted-YCCK representation used in bare JPEG files, but the surrounding PostScript code performs an inversion using the PS image operator. I am told that Photoshop 3.0 will write uninverted YCCK in EPS/JPEG files, and will omit the PS-level inversion. (But the data
polarity used in bare JPEG files will not change in 3.0.) In either case, the JPEG library must not invert the data itself, or else Ghostscript would read these EPS files incorrectly.

Error handling
--------------

When the default error handler is used, any error detected inside the JPEG routines will cause a message to be printed on stderr, followed by exit(). You can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file example.c illustrates the most common case, which is to have the application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to generate the error message has been stored in cinfo->err; call output_message to display it. Control must NOT return to the caller; generally this routine will exit() or longjmp() somewhere. Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should clean up the JPEG object with jpeg_abort() or jpeg_destroy().

**output_message (j_common_ptr cinfo)**
Actual output of any JPEG message. Override this to send messages somewhere other than stderr. Note that this method does not know how to generate a message, only where to send it.

**format_message (j_common_ptr cinfo, char * buffer)**
Constructs a readable error message string based on the error info stored in cinfo->err. This method is called by output_message. Few applications should need to override this method. One possible reason for doing so is to implement dynamic switching of error message language.

**emit_message (j_common_ptr cinfo, int msg_level)**
Decide whether or not to emit a warning or trace message; if so, calls output_message. The main reason for overriding this method would be to abort on warnings. msg_level is -1 for warnings, 0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to by the field err->jpeg_message_table. The messages are numbered from 0 to err->last_message, and it is these code numbers that are used in the JPEG library code. You could replace the message texts (for instance, with messages in French or German) by changing the message table pointer. See jerror.h for the default texts. CAUTION: this table will almost certainly change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are handled by the same mechanism. The error handler supports a second "add-on" message table for this purpose. To define an addon table, set the pointer err->addon_message_table and the message numbers err->first_addon_message and err->last_addon_message. If you number the addon messages beginning at 1000 or so, you won't have to worry about conflicts with the library's built-in messages. See the sample applications cjpeg/djpeg for an example of using addon messages (theaddon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h: ERREXITn(...) for fatal errors.
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.
These macros store the message code and any additional parameters into the
error handler struct, then invoke the error_exit() or emit_message() method.
The variants of each macro are for varying numbers of additional parameters.
The additional parameters are inserted into the generated message using
standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)

The JPEG compression library sends its compressed data to a "destination
manager" module. The default destination manager just writes the data to a
memory buffer or to a stdio stream, but you can provide your own manager to
do something else. Similarly, the decompression library calls a "source
manager" to obtain the compressed data; you can provide your own source
manager if you want the data to come from somewhere other than a memory
buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the
destination or source manager provides a work buffer, and the library invokes
the manager only when the buffer is filled or emptied. (You could define a
one-character buffer to force the manager to be invoked for each byte, but
that would be rather inefficient.) The buffer's size and location are
controlled by the manager, not by the library. For example, the memory
source manager just makes the buffer pointer and length point to the original
data in memory. In this case the buffer-reload procedure will be invoked
only if the decompressor ran off the end of the datastream, which would
indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally
"char" or "unsigned char". On a machine where char is not exactly 8 bits
wide, you must define JOCTET as a wider data type and then modify the data
source and destination modules to transcribe the work arrays into 8-bit units
on external storage.

A data destination manager struct contains a pointer and count defining the
next byte to write in the work buffer and the remaining free space:

JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;          /* # of byte spaces remaining in buffer */

The library increments the pointer and decrements the count until the buffer
is filled. The manager's empty_output_buffer method must reset the pointer
and count. The manager is expected to remember the buffer's starting address
and total size in private fields not visible to the library.

A data destination manager provides three methods:

```c
init_destination (j_compress_ptr cinfo)
```
Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.

```c
empty_output_buffer (j_compress_ptr cinfo)
```
This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped. free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

```c
term_destination (j_compress_ptr cinfo)
```
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

```c
const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer; /* # of bytes remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill_input_buffer method must reset the pointer and
count. In most applications, the manager must remember the buffer's starting
address and total size in private fields not visible to the library.

A data source manager provides five methods:

init_source (j_decompress_ptr cinfo)
Initialize source. This is called by jpeg_read_header() before any
data is actually read. Unlike init_destination(), it may leave
bytes_in_buffer set to 0 (in which case a fill_input_buffer() call
will occur immediately).

fill_input_buffer (j_decompress_ptr cinfo)
This is called whenever bytes_in_buffer has reached zero and more
data is wanted. In typical applications, it should read fresh data
into the buffer (ignoring the current state of next_input_byte and
bytes_in_buffer), reset the pointer & count to the start of the
buffer, and return TRUE indicating that the buffer has been reloaded.
It is not necessary to fill the buffer entirely, only to obtain at
least one more byte. bytes_in_buffer MUST be set to a positive value
if TRUE is returned. A FALSE return should only be used when I/O
suspension is desired (this mode is discussed in the next section).

skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should
be advanced over num_bytes input bytes, refilling the buffer as
needed. This is used to skip over a potentially large amount of
uninteresting data (such as an APPn marker). In some applications
it may be possible to optimize away the reading of the skipped data,
but it's not clear that being smart is worth much trouble; large
skips are uncommon. bytes_in_buffer may be zero on return.
A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find
a restart (RSTn) marker where one is expected. Its mission is to
find a suitable point for resuming decompression. For most
applications, we recommend that you just use the default resync
procedure, jpeg_resync_to_restart(). However, if you are able to back
up in the input data stream, or if you have a-priori knowledge about
the likely location of restart markers, you may be able to do better.
Read the read_restart_marker() and jpeg_resync_to_restart() routines
in jdmarker.c if you think you’d like to implement your own resync
procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all
data has been read. Often a no-op.
For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.

I/O suspension
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Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the empty_output_buffer() or fill_input_buffer() routine is a no-op, merely returning FALSE to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.
Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns FALSE; typically it will not do anything else. This will cause the compressor to return to the caller of jpeg_write_scanlines(), with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call jpeg_write_scanlines() again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)
Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:
* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.
The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.
The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to
the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a
recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE;/* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output()/* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output()/* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()

This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
jpeg_start_output(&cinfo, cinfo.input_scan_number);
The second parameter to jpeg_start_output() indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and jpeg_finish_output() advances to the next scan or end-of-image marker (hence input_scan_number will be incremented by the time control arrives back at jpeg_start_output()). With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call jpeg_finish_decompress() to release
If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine jpeg_consume_input(). The return value is one of the following:

- JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
- JPEG_REACHED_EOI: reached the EOI marker (end of image)
- JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
- JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
- JPEG_SUSPENDED: suspended before completing any of the above

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input() whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to jpeg_consume_input(). But by adding calls to jpeg_consume_input(), you can absorb data in advance of what is being displayed. This has two benefits:

* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to jpeg_consume_input() with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call jpeg_consume_input() only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG library currently is not thread-safe. You must not call jpeg_consume_input() from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass cinfo.input_scan_number as the target scan number to jpeg_start_output(). The input_scan_number field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling jpeg_start_output(): call jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the cinfo.output_scan_number field. The library's output processing calls jpeg_consume_input() whenever the current input scan number and row within
that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what jpeg_start_decompress() does when you don't select buffered-image mode.)

When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);

rather than quitting as soon as jpeg_input_complete() returns TRUE. This
arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```c
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}
```

In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.
In buffered-image mode, `jpeg_start_decompress()` never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:

* `jpeg_start_output()` performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
* `jpeg_read_scanlines()`, as always, returns the number of scanlines that it was able to produce before suspending.
* `jpeg_finish_output()` will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan.
  (But it reads no input if `jpeg_consume_input()` has already reached the end of the file or a SOS marker beyond the target output scan.)
* `jpeg_finish_decompress()` will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling `jpeg_input_complete()`).

`jpeg_start_output()`, `jpeg_finish_output()`, and `jpeg_finish_decompress()` all return TRUE if they completed their tasks, FALSE if they had to suspend. In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. ONLY THE FOLLOWING parameter changes are allowed after `jpeg_start_decompress()` is called:

* `dct_method` can be changed before each call to `jpeg_start_output()`.
  For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.
* `dither_mode` can be changed before each call to `jpeg_start_output()`;
  of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial `max_memory_to_use` specification to be exceeded, which in the worst case would result in an out-of-memory failure.
* `do_block_smoothing` can be changed before each call to `jpeg_start_output()`.
  This setting is relevant only when decoding a progressive JPEG image.
  During the first DC-only scan, block smoothing provides a very "fuzzy" look instead of the very "blocky" look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.
* Color quantization mode can be changed under the rules described below.
You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:
1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.
2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.
3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL. (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)
These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.) You do this by setting one or more of these three cinfo fields to TRUE:

   enable_1pass_quant		Fixed color cube colormap
   enable_external_quant		Externally-supplied colormap
   enable_2pass_quant		Two-pass custom colormap

All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following special rules apply:
1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.
(These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to
do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (i.e., if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a
tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.
To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman
optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot “n”:

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n];/* quant_ptr is JQUANT_TBL*/
for (i = 0; i < 64; i++) {
/* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n];/* huff_ptr is JHUFF_TBL*/
for (i = 1; i <= 16; i++) {
/* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
/* symbols[i] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is
sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass FALSE and check the return value from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found, JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value, JPEG_SUSPENDED, is possible when using a suspending data source manager.) Note that jpeg_read_header() will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn’t flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you’d need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
---------------

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard.
COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string “Adobe” for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized -- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write Marker will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by comment_text:

```c
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension".)
Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:

1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling jpeg_read_header(), because the markers of interest will typically be near the head of the file and so will be scanned by jpeg_read_header. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call

```c
jpeg_save_markers(cinfo, marker_code, length_limit)
```

where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n. (To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than length_limit data bytes, only length_limit bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set length_limit to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting length_limit to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by following the cinfo->marker_list pointer chain. All the special markers in
the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed length_limit for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)
jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
----------------------------

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().)
  This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorsapce()
call is a good idea. Note that since color conversion is bypassed,
in_color_space is ignored, except that jpeg_set_defaults() uses it to
choose the default jpeg_color_space setting.

* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and
cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the
dimensions of the data you are supplying, it's wise to set them
explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of
jpeg_write_scanlines(). The two routines work similarly except that
jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY.
The scanlines count passed to and returned from jpeg_write_raw_data is
measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say
v_samp_factor*DCTSIZE sample rows of each component. The passed num_lines
value must be at least max_v_samp_factor*DCTSIZE, and the return value will
be exactly that amount (or possibly some multiple of that amount, in future
library versions). This is true even on the last call at the bottom of the
image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each
component as
cinfo->comp_info[i].width_in_blocks*DCTSIZE samples per row
cinfo->comp_info[i].height_in_blocks*DCTSIZE rows in image
after jpeg_start_compress() has initialized those fields. If the valid data
is smaller than this, it must be padded appropriately. For some sampling
factors and image sizes, additional dummy DCT blocks are inserted to make
the image a multiple of the MCU dimensions. The library creates such dummy
blocks itself; it does not read them from your supplied data. Therefore you
need never pad by more than DCTSIZE samples. An example may help here.
Assume 2h2v downsampling of YCbCr data, that is
cinfo->comp_info[0].h_samp_factor = 2 for Y
cinfo->comp_info[0].v_samp_factor = 2
cinfo->comp_info[1].h_samp_factor = 1 for Cb
cinfo->comp_info[1].v_samp_factor = 1
cinfo->comp_info[2].h_samp_factor = 1 for Cr
cinfo->comp_info[2].v_samp_factor = 1
and suppose that the nominal image dimensions (cinfo->image_width and
cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will
compute downsampled_width = 101 and width_in_blocks = 13 for Y,
downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same
for the height fields). You must pad the Y data to at least 13*8 = 104
columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The
MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16
scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual
sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed,
so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row
of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing: you cannot ask for rescaling or color quantization, for instance. More seriously, you must deal with the color space and sampling factors present in the incoming file. If your application only handles, say, 2h1v YCbCr data, you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
-----------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the
entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is
* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block
array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpegSuppress_tables(), or set the tables' individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring
-------------------

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or
jpeg_write_scanlines, so don't pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monit_field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:
long pass_counter;/* work units completed in this pass */
long pass_limit;/* total number of work units in this pass */
int completed_passes;/* passes completed so far */
int total_passes;/* total number of passes expected */
During any one pass, pass_counter increases from 0 up to (not including) pass_limit; the step size is usually but not necessarily 1. The pass_limit value may change from one pass to another. The expected total number of passes is in total_passes, and the number of passes already completed is in completed_passes. Thus the fraction of work completed may be estimated as completed_passes + (pass_counter/pass_limit)
--------------------
total_passes
ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets total_passes based on the assumption that there will be one more output pass if the input file end hasn't yet been read (jpeg_input_complete() isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that total_passes will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.
Memory management
-----------------

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```c
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object. Use alloc_large instead of alloc_small for anything bigger than a few Kbytes. There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.
If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either, since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
------------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set.
(But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options

A number of compile-time options are available by modifying jmorecfg.h.

The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit cjpeg or djpeg. (install.txt has more information about that.) At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode, in order to generate valid Huffman tables. This is necessary because our default Huffman tables only cover 8-bit data. If you need to output 12-bit files in one pass, you'll have to supply suitable default Huffman tables.

You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int.
You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don't need trace capability anyway, right?

Portability considerations
--------------------------

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we'd appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that
char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need
to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
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The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)
About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/libjpeg.txt
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 * rdjpgcom.c
 *
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 * Modified 2009 by Bill Allombert, Guido Vollbeding.
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 *
 * This file contains a very simple stand-alone application that displays
 * the text in COM (comment) markers in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdjpgcom.c
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 * jmorecfg.h
 *
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* This file contains additional configuration options that customize the
  JPEG software for special applications or support machine-dependent
  optimizations. Most users will not need to touch this file.
*/

Found in path(s):
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 * jQuery JavaScript Library v1.3.2
 * http://jquery.com/
 *
 * Copyright (c) 2009 John Resig
 * Dual licensed under the MIT and GPL licenses.
 * http://docs.jquery.com/License
 *
 * Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)
 * Revision: 6264
 */

/*
 * Sizzle CSS Selector Engine - v0.9.3
 * Copyright 2009, The Dojo Foundation
 * Released under the MIT, BSD, and GPL Licenses.
 * More information: http://sizzlejs.com/
 */

/*
 * jQuery UI 1.7.2
 *
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 * Dual licensed under the MIT (MIT-LICENSE.txt)
 * and GPL (GPL-LICENSE.txt) licenses.
 *
 * http://docs.jquery.com/UI
 */

/***
 * jQuery.ScrollTo - Easy element scrolling using jQuery.
 * Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com
 * Licensed under GPL license (http://www.opensource.org/licenses/gpl-license.php).
 * Date: 2/8/2008
 * @author Ariel Flesler
 * @version 1.3.2
 */

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 *
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 * *
 * This file contains inverse-DCT routines that produce reduced-size output:
 * either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.
 * *
 * The implementation is based on the Loeffler, Lichtenberg and Moschytz (LL&M)
 * algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step
 * with an 8-to-4 step that produces the four averages of two adjacent outputs
 * (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
 * These steps were derived by computing the corresponding values at the end
 * of the normal LL&M code, then simplifying as much as possible.
 * *
 * 1x1 is trivial: just take the DC coefficient divided by 8.
 * *
 * See jidctint.c for additional comments.
 */

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 * *
 * This file contains routines to read input images in Utah RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 * *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed RLE format).
Based on code contributed by Mike Lijewski,
with updates from Robert Hutchinson.

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These declarations are considered internal to the JPEG library; most
applications using the library shouldn't need to include this file.

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This file contains Huffman entropy decoding routines for progressive JPEG.
Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdphuff.c
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 * *
 * This file contains routines to write JPEG datastream markers.
 */

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 * *
 * This file contains upsampling routines.
 * *
 * Upsampling input data is counted in "row groups". A row group
 * is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
 * sample rows of each component. Upsampling will normally produce
 * max_v_samp_factor pixel rows from each row group (but this could vary
 * if the upsampler is applying a scale factor of its own).
 * *
 * An excellent reference for image resampling is
*/

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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJDecompressor.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/TJExample.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.1848 xkeyboard-config 2.24-1.el7

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1.1852 pythonurllib 1.10.2 7.el7

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# Contributions to the urllib3 project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests
* p.dobrogost <http://code.google.com/u/@WBRSRlBZDhBFXQB6/>  
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>  
  * Bugfixes, suggestions, Requests integration

* georgemarshall <http://github.com/georgemarshall>  
  * Bugfixes, Improvements and Test coverage

* Thomas Kluiver <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 <http://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 <http://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 <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection
* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]
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1.1853 python-paramiko 2.7.1

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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylrc@google.com>
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/**
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * <p>Example:</p>
 * <p>
 * <code>String encoded = Base64.encode( myByteArray );</code>
 * <br />
 * <code>byte[] myByteArray = Base64.decode( encoded );</code>
 * <p></p>
 * <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass several pieces of information to the encoder. In the "higher level" methods such as <code>encodeBytes( bytes, options )</code> the options parameter can be used to indicate such things as first gzipping the bytes before encoding them, not inserting linefeeds, and encoding using the URL-safe and Ordered dialects.</p>
 * <p></p>
 * <p>Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>, Section 2.1, implementations should not add line feeds unless explicitly told to do so. I've got Base64 set to this behavior now, although earlier versions broke lines by default.</p>
 * <p></p>
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:</p>
 * <p></p>
 * <code>String encoded = Base64.encodeBytes( myBytes, Base64.GZIP | Base64.DO_BREAK_LINES );</code>
 * <p></p>
 * <p>to compress the data before encoding it and then making the output have newline characters.</p>
 * <p></p>
 * <p>Also...</p>
 * <p></p>
 * <code>String encoded = Base64.encodeBytes( crazyString.getBytes() );</code>
 * <p></p>
 * Change Log:
v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base 64 character but should not throw an ArrayIndexOutOfBoundsException either. Led to discovery of mishandling (or potential for better handling) of other bad input characters. You should now get an IOException if you try decoding something that has bad characters in it.

v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the buffer was not properly shrunk and contained an extra (null) byte that made it into the string.

v2.3.5 - Fixed bug in `@link #encodeFromFile` where estimated buffer size was wrong for files of size 31, 34, and 37 bytes.

v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the Base64.OutputStream closed the Base64 encoding (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped streams. Also added experimental support for specifying a class loader when using the `@link #decodeToObject(java.lang.String, int, java.lang.ClassLoader)` method.

v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its CharEncoders and so forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException explicitly inline.

v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be so that the code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win when using the `@link #encodeBytesToBytes(byte[])` family of methods (and not using the gzip options which uses a different mechanism with streams and stuff).

v2.3.1 - Added `@link #encodeBytesToBytes(byte[], int, int, int)` and some similar helper methods to be more efficient with memory by not returning a String but just a byte array.

v2.3 - This is not a drop-in replacement! This is two years of comments and bug fixes queued up and finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null values or something similar. Here are some changes that may affect you:

Does not break lines, by default. This is to keep in compliance with RFC3548 which may be required by some operations (especially those that may permit the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some discussion and thought, I've changed the behavior of the methods to throw java.io.IOExceptions rather than return null if ever there's an error. I think this is more appropriate, though it will require some changes to your code. Sorry, it should have been done this way to begin with.
* Removed all references to System.out, System.err, and the like.
* Shame on me. All I can say is sorry they were ever there.
* Throws NullPointerExceptions and IllegalArgumentExceptions as needed
* such as when passed arrays are null or offsets are invalid.
* Cleaned up as much javadoc as I could to avoid any javadoc warnings.
* This was especially annoying before for people who were thorough in their
* own projects and then had gobs of javadoc warnings on this file.
* <ul>
* <li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
* when using very small files (~<lt; 40 bytes).</li>
* <li>v2.2 - Added some helper methods for encoding/decoding directly from
* one file to the next. Also added a main() method to support command line
* encoding/decoding from one file to the next. Also added these Base64 dialects:
* <ol>
* <li>The default is RFC3548 format.</li>
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.
* <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
* URL and file name friendly format that preserves lexical ordering as described
* in http://www.faqs.org/qa/rfcc-1940.html</li>
* </ol>
* Special thanks to Jim Kellerman at <a href="http://www.powerset.com/">http://www.powerset.com/</a>
* for contributing the new Base64 dialects.
* </li>
* </ul>
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
* some convenience methods for reading and writing to and from files.
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.
* v2.0 - I got rid of methods that used booleans to set options.
* Now everything is more consolidated and cleaner. The code now detects
* when data that's being decoded is gzip-compressed and will decompress it
* automatically. Generally things are cleaner. You'll probably have to
* change some method calls that you were making to support the new
* options format (<tt>int</tt>s that you "OR" together).
* v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>. Added the ability to "suspend" encoding in the Output Stream so
* you can turn on and off the encoding if you need to embed base64
* data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream pases on flush() command but doesn't do anything itself.
* This helps when using GZIP streams.
* Added the ability to GZip-compress objects before encoding them.
* v1.4 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
* where last buffer being read, if not completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* v1.3.3 - Fixed I/O streams which were totally messed up.
* </ul>

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* plenty of well-wishing instead!
* Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a>
* periodically to check for updates or to contribute improvements.
* </p>

* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
*/

Found in path(s):
* /opt/cola/permits/1110677251_1606843436.23/0/resteasy-jaxrs-3-0-14-final-sources-1-
  jar/org/jboss/resteasy/util/Base64.java
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  jar/org/jboss/resteasy/test/TestPortProvider.java
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* Any exception thrown by a MessageBodyReader chain that is not an instance of a ReaderException is caught internally
* by the Resteasy runtime and wrapped with an instance of ReaderException.

* If you want to have special exception handling for exceptions thrown by MessageBodyReaders, then write an exception
* mapper for ReaderException.

* Also, you may extend this class and throw instances of it from your MessageBodyReaders (and interceptors)

* @author <a href="mailto:bill@burkecentral.com">Bill Burke</a>
* @version $Revision: 1 $
*/

Found in path(s):
* /opt/cola/permits/1110677251_1606843436.23/0/resteasy-jaxrs-3-0-14-final-sources-1-
  jar/org/jboss/resteasy/spi/ReaderException.java

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*
* If you want to have special exception handling for exceptions thrown by MessageBodyWriters and their interceptors, then write an exception
* mapper for WriterException.
*
* Also, you may extend this class and throw instances of it from your MessageBodyWriters (and interceptors)
*
* @author <a href="mailto:bill@burkecentral.com">Bill Burke</a>
* @version $Revision: 1 $
*/

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  jar/org/jboss/resteasy/spi/WriterException.java

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  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/bootstrap.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/base.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/swt.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/web.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/media.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/swing.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/controls.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/graphics.js
  * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/internal/runtime/resources/fx/fxml.js

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jdk.nashorn.api.scripting.NashornScriptEngineFactory

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   * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/tools/resources/Shell.properties
   * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/jdk/nashorn/api/scripting/resources/Messages.properties

Found in path(s):
   * /opt/cola/permits/1103525571_1607113387.65/0/nashorn-8-jar/META-INF/services/javax.script.ScriptEngineFactory
1.1885 wildfly-transaction-client 1.1.2.Final
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jar/org/webswing/server/services/security/modules/saml2/com/lastpass/saml/SPConfig.java
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  jar/org/webswing/server/services/security/modules/saml2/com/lastpass/saml/SAMLClient.java
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  jar/org/webswing/server/services/security/modules/saml2/com/lastpass/saml/SAMLInit.java
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/ *
 * SAMLUtils - Utility functions
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1.1888 wildfly-network 6.0.2.Final

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1.1889 jersey-media-jaxb 2.27

1.1890 jboss-stdio 1.0.2.GA

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1.1891 plexus-io 2.0.4

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1.1892 infinispanhibernatecachev 9.3.1.Final

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1.1893 hibernate-search-engine 5.10.3.Final

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1.1894 rank-eval-client 6.4.3

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1.1907 error_prone_annotations 2.3.2

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSAttributeGroupDefinition.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/collect/XSObjectPoolManager.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/validation/EmptyXMLSchema.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/validation/ValidatorImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/validation/XMLSchemaFactory.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/validation/ValidatorImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/TreeWalkerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSAttributeUseImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/ElementImpl.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/ChildNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/NamespaceSupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/ElementPSVImpl.java
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jar/org/apache/xerces/dom/ASModelImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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* /opt/cola/permissions/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/ObjectFactory.java
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* /opt/cola/permissions/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/SAXParser.java
* /opt/cola/permissions/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/XMLSchemaLoader.java
* /opt/cola/permissions/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/DocumentBuilderImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/util/ShortListImpl.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLDTDScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/AttrNSImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSGroupDecl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/XSDDescription.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/XMLResourceIdentifierImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom3/as/ASNamedObjectMap.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom3/as/ASObjectList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom3/as/ASEntityDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom3/as/ASObjectList.java
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jar/org/apache/xerces/dom3/as/ElementEditAS.java


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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XML11Configuration.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/AbstractDOMParser.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/html/dom/HTMLDOMImplementationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/wml/WMLGoElement.java
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*/
/**
* used to check the 3 constraints against each complex type
* (should be each model group):
  * Unique Particle Attribution, Particle Derivation (Restriction),
  * Element Declarations Consistent.
*/

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XML11DTDConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xx/datatypes/XSDouble.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xx/YearMonthDurationDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xx/datatypes/ObjectList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xx/datatypes/XSFloat.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/EntityResolver2Wrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xx/DayTimeDurationDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/XMLCatalogResolver.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xx/datatypes/ByteList.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/util/XSNamedMap4Types.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/XSLoader.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/XSObject.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/XSMultiValueFacet.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/xs/util/XSGrammarPool.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/XSException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/util/SecurityManager.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/ElementPSVI.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/XSAnnotation.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xs/LSInputList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xs/XSNamedMap.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xs/XSNamespaceItem.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xs/XSNamespaceItemList.java
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jar/org/apache/xerces/xs/PSVIProvider.java
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jar/org/apache/xerces/xs/ShortList.java
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jar/org/apache/xerces/xs/XSTerm.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xs/XSObjectList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xs/XSImplementationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xni/grammars/XMLGrammarPool.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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jar/org/apache/xerces/xs/xni/grammars/XMLGrammarPool.java
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jar/org/apache/xerces/impl/Constants.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/jaxp/SAXParserImpl.java
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jar/org/apache/xerces/dom/ParentNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/dom/DeferredDocumentImpl.java
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jar/org/apache/xerces/dom/NamedNodeMapImpl.java
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jar/org/apache/xerces/util/DOMUtil.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDAbstractParticleTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSWildcardDecl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDGroupTraverser.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDAttributeGroupTraverser.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/EntityImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/NotationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XMLEntityDecl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/msg/XMLMessageFormatter.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/RangeExceptionImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/ddt/models/ContentModelValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/MessageFormatter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/LineSeparator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/PSVIDOMImplementationImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/ddt/models/CMNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/CDATASectionImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/ElementState.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/SerializerFactory.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XML11NSDTDValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DocumentFragmentImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLSchemaImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/XHTMLSerializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLDocumentFragmentScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XML11Character.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/HTMLSerializer.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLEntityScanner.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLScanner.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/ListDatatypeValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/NMTOKENDatatypeValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xpath/regex/RangeToken.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/XML11Serializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/models/XSCMLeaf.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/CoreDocumentImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/TextImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/models/CMLLeaf.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/BaseMarkupSerializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/XML11DTDProcessor.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xpath/regex/Token.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/ElementNSImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dtd/models/CMStateSet.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/grammars/XMLDTDDescription.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xinclude/SecuritySupport.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xxs/NSItemListImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDocumentInfo.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xml/regex/ParserForXMLSchema.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLDocumentScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XMLGrammarParser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/RangeImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/ddt/XMLDTDDValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XML11DTDScannerImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLEntityManager.java

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/**
 * DOM Level 3 LS CR - Experimental.
 * Create a new <code>LSParser</code>. The newly constructed parser may
 * then be configured by means of its <code>DOMConfiguration</code>
 * object, and used to parse documents by means of its <code>parse</code>
 * method.
 * @param mode  The <code>mode</code> argument is either
 *   <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
 *   <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
 *   <code>LSParser</code> that is created will operate in synchronous
 *   mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
 *   <code>LSParser</code> that is created will operate in asynchronous
 *   mode.
 * @param schemaType  An absolute URI representing the type of the schema
 *   language used during the load of a <code>Document</code> using the
 *   newly created <code>LSParser</code>. Note that no lexical checking
 *   is done on the absolute URI. In order to create a
 *   <code>LSParser</code> for any kind of schema types (i.e. the
 *   LSParser will be free to use any schema found), use the value
 *   <code>null</code>.
 * <p><b>Note:</b> For W3C XML Schema [<a href='http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/'>XML Schema Part 1</a>]
 *   , applications must use the value
 *   <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD [<a href='http://www.w3.org/TR/2000/REC-xml-20001006'>XML 1.0</a>],
 *   applications must use the value
 *   <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
 *   are outside the scope of the W3C and therefore should recommend an
 *   absolute URI in order to use this method.
 * @return  The newly created <code>LSParser</code> object. This
 *   <code>LSParser</code> is either synchronous or asynchronous
 *   depending on the value of the <code>mode</code> argument.
 * <p><b>Note:</b> By default, the newly created <code>LSParser</code>
 *   does not contain a <code>DOMErrorHandler</code>, i.e. the value of
 *   the "<a href='http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler'>error-handler</a>" configuration parameter is <code>null</code>. However, implementations
 *   may provide a default error handler at creation time. In that case,
 *   the initial value of the <code>error-handler</code> configuration
 *   parameter on the new created <code>LSParser</code> contains a
 *   reference to the default error handler.
 * @exception DOMException
 *   NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
 *   not supported.
 */

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  jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfDouble.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/constraintvalidators/bv/bound/MaxValidatorForLong.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/metadata/descriptor/ParameterDescriptorImpl.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/cfg/defs/DurationMinDef.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfLong.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/metadata/location/package-info.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/util/privilegedactions/GetClassLoader.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/metadata/aggregated/MetaDataBuilder.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PESELValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
  jar/org/hibernate/validator/spi/group/DefaultGroupSequenceProvider.java
jar/org/hibernate/validator/internal/metadata/provider/MetaDataProvider.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/xml/mapping/AbstractOneLineStringStaxBuilder.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/xml/mapping/ValidStaxBuilder.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/metadata/core/ConstraintOrigin.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/engine/valueextraction/OptionalValueExtractor.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForCalend
ar.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalDate.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/decimal/DecimalMinValidatorForLong.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/hv/LuhnCheckValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/hv/time/DurationMaxValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForLong.js
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetDate-Time.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForByte.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForLocalDateTime.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MaxValidatorForMonetaryAmount.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/ReturnValueMetaData.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfChar.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaData.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/cfg/context/MethodConstraintMappingContextImpl.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDate.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/hv/ISBNValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/parameternameprovider/package-info.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/messageinterpolation/HibernateMessageInterpolatorContext.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/annotation/AnnotationProxy.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForInteger.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/package-info.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/AbstractPastOrPresentJavaTimeValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/messageinterpolation/HibernateMessageInterpolatorContext.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfInt.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/hv/SafeHtmlValidator.java

* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetDate-Time.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForByte.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForLocalDateTime.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MaxValidatorForMonetaryAmount.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/ReturnValueMetaData.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfChar.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaData.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/cfg/context/MethodConstraintMappingContextImpl.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDate.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/hv/ISBNValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/parameternameprovider/package-info.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/cfg/defs/PastOrPresentDef.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/annotation/AnnotationProxy.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForInteger.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/package-info.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/AbstractPastOrPresentJavaTimeValidator.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/messageinterpolation/HibernateMessageInterpolatorContext.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfInt.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/hv/SafeHtmlValidator.java
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jar/org/hibernate/validator/internal/util/logging/formatter/ObjectArrayFormatter.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/metadata/aggregated/NonContainerCascadingMetaData.java
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/engine/messageinterpolation/FormatterWrapper.java
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jar/org/hibernate/validator/internal/util/TypeHelper.java
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 *
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 */

/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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/
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 */
</p>
<p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> JSR 223</p
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [ @link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
</p>
<p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
</p>
<pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
</pre>
<p>
* Can be specified on any method or constructor.
</p>
<p>
* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1110675264_1606843454.23/0/hibernate-validator-6-0-14-final-sources-1-
jar/org/hibernate/validation/constraints/ParameterScriptAssert.java
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 */

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1.1941 junit 3.8.2

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

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

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

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

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

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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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1.1945 netty-codec 4.1.43.Final

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jar/io/netty/handler/codec/ValueConverter.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/MessageAggregator.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/base64/package-info.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/DecoderException.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/TooLongFrameException.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java

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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/CorruptedFrameException.java

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jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java
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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/EmptyHeaders.java
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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/DateFormatter.java

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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-jar/io/netty/handler/codec/base64/Base64Dialect.java

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 */

/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * 
 * The encoding and decoding algorithm in this class has been derived from
 */

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* /opt/ws_local/PERMITS_SQL/1063377366_1592971932.88/0/netty-codec-4-1-43-final-sources-1-
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 */
/**
 * A decoder that splits the received {link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 * <p>
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 * <p>
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * <p>
 * <h3>2 bytes length field at offset 0, strip header</h3>
 * <p>
 * Because we can get the length of the content by calling
 * {link ByteBuf#readableBytes()}, you might want to strip the length
 * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
 * specified <tt>2</tt>, that is same with the length of the length field, to
 * strip the first two bytes.
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* \texttt{lengthAdjustment}. Because the length value in this example message
* is always greater than the body length by \texttt{2}, we specify \texttt{-2}
* as \texttt{lengthAdjustment} for compensation.

* \begin{pre}
* \texttt{lengthFieldOffset} = 0
* \texttt{lengthFieldLength} = 2
* \texttt{<b>lengthAdjustment</b>} = <b>-2</b> (= the length of the Length field)
* \texttt{initialBytesToStrip} = 0
*
* \texttt{BEFORE DECODE (14 bytes)} \hspace{1cm} \texttt{AFTER DECODE (14 bytes)}
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* \end{pre}
*
* \texttt{3 bytes length field at the end of 5 bytes header, do not strip header}
* \texttt{original bytes:}
* \begin{pre}
* \texttt{lengthFieldOffset} = \texttt{2} (= the length of Header 1)
* \texttt{lengthFieldLength} = \texttt{3}
* \texttt{lengthAdjustment} = 0
* \texttt{initialBytesToStrip} = 0
*
* \texttt{BEFORE DECODE (17 bytes)} \hspace{1cm} \texttt{AFTER DECODE (17 bytes)}
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* \end{pre}
*
* This is an advanced example that shows the case where there is an extra
**header between the length field and the message body. You have to specify a**
**positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra**
**header into the frame length calculation.**

* `<pre>`
  * lengthFieldOffset = 0
  * lengthFieldLength = 3
  * `<b>`lengthAdjustment`<b>` = `<b>`2`<b>` (= the length of Header 1)
  * initialBytesToStrip = 0
* `<pre>`
* **BEFORE DECODE (17 bytes) **  ***AFTER DECODE (17 bytes)**
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>`
*
* `<h3>`2 bytes length field at offset 1 in the middle of 4 bytes header,**
  * strip the first header field and the length field`</h3>`
*
* This is a combination of all the examples above. There are the prepended
  * header before the length field and the extra header after the length field.
* The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra
  * header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero
  * `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended
  * header from the frame. If you don't want to strip the prepended header, you
  * could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.
* `<pre>`
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* `<b>`lengthAdjustment`<b>` = `<b>`1`<b>` (= the length of HDR2)
* `<b>`initialBytesToStrip`<b>` = `<b>`3`<b>` (= the length of HDR1 + LEN)
* `<pre>`
* **BEFORE DECODE (16 bytes) **  ***AFTER DECODE (13 bytes)**
* +------|--------|------|----------------+      +------|----------------|
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------|--------|------|----------------+      +------|----------------|
* </pre>`
*
* `<h3>`2 bytes length field at offset 1 in the middle of 4 bytes header,**
  * strip the first header field and the length field, the length field
  * represents the length of the whole message`</h3>`
*
* Let's give another twist to the previous example. The only difference from
  * the previous example is that the length field represents the length of the
  * whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`.
* Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.

* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* b.lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
* b.initialBytesToStrip = 3
*
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +----------------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* +----------------+----------------+
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +----------------+----------------+
* </pre>

* @see LengthFieldPrepender

*/

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1.1946 netty-transport 4.1.39.Final

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jar/io/netty/channel/PendingWriteQueue.java
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/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline}.
 *
 * <h3>Sub-types</h3>
 * <p>
 * { @link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li> { @link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li> { @link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 *
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li> { @link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
 * <li> { @link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
 * <li> { @link ChannelDuplexHandler} to handle both inbound and outbound events</li>
 * </ul>
 * For more information, please refer to the documentation of each subtype.
 * </p>
 *
 * <h3>The context object</h3>
 * A { @link ChannelHandler} is provided with a { @link ChannelHandlerContext} object. A { @link ChannelHandler} is supposed to interact with the
 * { @link ChannelPipeline} it belongs to via a context object. Using the
 * context object, the { @link ChannelHandler} can pass events upstream or
 * downstream, modify the pipeline dynamically, or store the information
 * (using { @link AttributeKey} s) which is specific to the handler.
 * 
 * <h3>State management</h3>
 *
 * A { @link ChannelHandler} often needs to store some stateful information.
 * The simplest and recommended approach is to use member variables:
 * <pre>
 * public interface Message {
 *     // your methods here
 * }
 * </pre>
 *
 * public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;Message&gt; {
 * 
 *     private boolean loggedIn;
 * 
 * 

* { @code @Override}
* public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) message);
*         <b>loggedIn = true;</b>
*     } else (message instanceof GetDataMessage) {  
*         if (<b>loggedIn</b>) {  
*             ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*         } else {  
*             fail();
*         }
*     }
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.  
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {  
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {  
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
* </pre>

* <h4>Using {@link AttributeKey}s</h4>
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
* <pre>
* public interface Message {  
*     // your methods here
* }
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<{@link Message}> {  
*     private final {@link AttributeKey}<{@link Boolean}> auth =  
*         {@link AttributeKey}valueOf(String) AttributeKey.valueOf("auth");
*     }
* { @code @Override}
* public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
*     @link Attribute)&lt;@link Boolean)&gt; attr = ctx.attr(auth);
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) o);
*         attr.set(true);
*     } else (message instanceof GetDataMessage) {
*         if ((Boolean.TRUE.equals(attr.get())) {
*             ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*         } else {
*             fail();
*         }
*     }
*     ...
* }<pre>
* Now that the state of the handler is attached to the @link ChannelHandlerContext, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends @link ChannelInitializer&lt;@link Channel&gt; {
*     private static final DataServerHandler SHARED = new DataServerHandler();
*     {
*         @code @Override
*         public void initChannel(@link Channel) channel) {
*             channel.pipeline().addLast("handler", SHARED);
*         }
*     }
* </pre>
* </pre>
* <h4>The @code @Sharable annotation</h4>
* In the example above which used an @link AttributeKey),
* you might have noticed the @code @Sharable annotation.
* If a @link ChannelHandler is annotated with the @code @Sharable
* annotation, it means you can create an instance of the handler just once and
* add it to one or more @link ChannelPipeline)s multiple times without
* a race condition.
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* This annotation is provided for documentation purpose, just like
* the JCIP annotations</a>.
Additional resources worth reading

Please refer to the [ChannelHandler](#), and [ChannelPipeline](#) to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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1.1953 urfave-cli v1.20.0

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jar/io/netty/buffer/PooledHeapByteBuf.java

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jar/io/netty/buffer/WrappedCompositeByteBuf.java
 * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
 * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
 * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
jar/io/netty/buffer/PooledSlicedByteBuf.java
 * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/AdvancedLeakAwareCompositeByteBuf.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/PooledDuplicatedByteBuf.java

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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/PoolChunkList.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/PooledByteBufAllocator.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/ReadOnlyByteBuf.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/nettybuffer/PoolSubpage.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/ByteBuf.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/ByteBufAllocator.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/ByteBufOutputStream.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/PoolThreadCache.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/UnpooledHeapByteBuf.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2.jar/io/netty/buffer/AbstractByteBufAllocator.java
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jar/io/reactivex/disposables/SerialDisposable.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/completable/CompletableCreate.java
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* /opt/cola/permits/1665843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/observable/ObservableSkipUntil.java
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* /opt/cola/permits/1665843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/completable/CompletableMaterialize.java
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* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/disposables/EmptyDisposable.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/schedulers/RxThreadFactory.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/functions/BiFunction.java
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* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/observable/ObservableScan.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/plugins/RxJavaPlugins.java
Open Source Used In Data Center Network Manager 11.5(1)  18237
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/flows/FlowableConcatWithMaybe.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/flows/FlowableTakeLastOne.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/FuseToObservable.java
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* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/subscribers/BlockingSubscriber.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/flowable/FlowableSequenceEqual.java
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jar/io/reactivex/annotations/BackpressureKind.java
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* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/observable/ObservableElementAtMaybe.java
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info.java
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* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/schedulers/TrampolineScheduler.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/subjects/package-info.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/package-info.java
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* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/internal/operators/flowable/FlowablePublishMulticast.java
* /opt/cola/permits/1000522388_1606843212.39/0/rxjava-2-2-9-sources-jar/io/reactivex/operators/package-info.java

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1.1968 python-dateutil 1.5-7.el7

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A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
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Open Source Used In Data Center Network Manager 11.5(1)  18308

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3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you
received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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Appendix: How to Apply These Terms to Your New Programs

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

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

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

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Version 2, June 1991
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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.
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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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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
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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
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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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
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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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Appendix: How to Apply These Terms to Your New Libraries

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

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* /opt/ws_local/PERMITS_SQL/1091709972_1600571949.73/0/wildfly-elytron-jaspi-1-11-2-final-sources-jar/org/wildfly/security/auth/jaspi/package-info.java
* /opt/ws_local/PERMITS_SQL/1091709972_1600571949.73/0/wildfly-elytron-jaspi-1-11-2-final-sources-jar/org/wildfly/security/auth/JaspiConfigurationBuilder.java
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1.2006 cxf-rt-features-logging 3.2.5-jbossorg-1

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1.2007 wildfly-naming-client 1.0.9.Final

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1.2008 jackson-databind 2.9.6

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1.2009 jboss-logging 3.3.3.Final
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jar/org/springframework/security/web/authentication/preauth/PreAuthenticatedAuthenticationProvider.java
* /opt/cola/permits/1106218635_1605323289.5/0/spring-security-web-4-1-1-release-sources-
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c.e.java
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* /opt/cola/permits/1106218635_1605323289.5/0/spring-security-web-4-1-1-release-sources.jar/org/springframework/web/authentication/NullRememberMeServices.java
* /opt/cola/permits/1106218635_1605323289.5/0/spring-security-web-4-1-1-release-sources.jar/org/springframework/web/AuthenticationEntryPoint.java
* /opt/cola/permits/1106218635_1605323289.5/0/spring-security-web-4-1-1-release-sources.jar/org/springframework/web/access/FilterInvocationSecurityMetadataSource.java
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1.2011 perl-http-tiny 0.033-3.el7

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commit ef7344f09c5ce00eb519ed14598b2a8e39e68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems
appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes
are: update paths in sysdeps/mach/hurd/Implies and
sysdeps/unix/sysv/linux/wait3.c; merge the two syscallss.list files,
with the removal of syscalls that were in sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory by .c files there.

Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from sysdeps/unix/bsd/bsd4.4/syscalls.list.
  (fchflags): Likewise.
  (revoke): Likewise.
  (setlogin): Likewise.
  (sigaltstack): Likewise.
  (wait4): Likewise.
  (sigblock): Remove.
  (sigsetmask): Likewise.
  (wait3): Likewise.
  (waitpid): Likewise.
* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Versions: ... here.
* sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h: Move to ...
* sysdeps/unix/bsd/bits/socketaddr.h: ... here.
* sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tdrain.c: Move to ...
* sysdeps/unix/bsd/tdrain.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
sysdeps/unix/bsd/bsd4.4/waitpid.c: Move to ...
sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234e1fd1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.
gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.
-unix/bsd/bsd4.4
+unix/bsd

diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefile
rename to sysdeps/unix/bsd/Makefile
diff --git a/sysdeps/unix/bsd/bsd4.4/Versions b/sysdeps/unix/bsd/Versions
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Versions
rename to sysdeps/unix/bsd/Versions
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bits/sockaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h
rename to sysdeps/unix/bsd/bits/sockaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstacksigaltstack
-wait4-wait4w4wait4wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/cmstag_nxthdr.c b/sysdeps/unix/bsd/cmstag_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmstag_nxthdr.c
rename to sysdeps/unix/bsd/cmstag_nxthdr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
  similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
  similarity index 100%
rename from sysdeps/unix/bsd/syscalls.list
rename to sysdeps/unix/bsd/syscalls.list
# File nameCallerSyscall name# argsStrong nameWeak names
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
flock-flock2__flockflock
getdents-getdirentries4__getdirentriesgetdirenttries
getdtsz-getdtablesize0__getdtablesizegetdtablesize
getpagesize-getpagesize0__getpagesizegetpagesize
killpg-killpgkillpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+setlogin-setlogin2setlogin
+sigaltstack-sigaltstack2__sigaltstacksigaltstack
sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmasksigsetmask
sigstack-sigstack2sigstack
sigvec-sigvec3__sigvecsигvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4
diff --git a/sysdeps/unix/bsd/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
  similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c
diff --git a/sysdeps/unix/bsd/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
  similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
  similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcsetattr.c
rename to sysdeps/unix/bsd/tcsetattr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/wait.c b/sysdeps/unix/bsd/wait.c
  similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/wait.c
rename to sysdeps/unix/bsd/wait.c
diff --git a/sysdeps/unix/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait3.c
class rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
index 0b3bdee771782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>

1.2014 arjuna 5.9.0.Final
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* /opt/cola/permits/1110677150_1606843366.46/0/wildfly-http-ebj-client-1-0-12-final-sources.jar/org/wildfly/httpclient/ebj/HttpProtocolV1ObjectTable.java
* /opt/cola/permits/1110677150_1606843366.46/0/wildfly-http-ebj-client-1-0-12-final-sources.jar/org/wildfly/httpclient/ebj/HttpProtocolV1ObjectResolver.java
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org.wildfly.httpclient.ejb.HttpClientProvider

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Authors: Loren Merritt <lorenm@u.washington.edu>
Anton Mitrofanov <BugMaster@narod.ru>
Jason Garrett-Glaser <darkshikari@gmail.com>
Henrik Gramner <hengar-6@student.ltu.se>

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 */

Found in path(s):
* /opt/cola/permits/1110675918_1606843491.34/0/netty-transport-native-kqueue-4-1-24-final-sources-1-
  jar/io/netty/channel/kqueue/KQueueDomainSocketChannelConfig.java
* /opt/cola/permits/1110675918_1606843491.34/0/netty-transport-native-kqueue-4-1-24-final-sources-1-
  jar/io/netty/channel/kqueue/KQueueServerDomainSocketChannel.java
* /opt/cola/permits/1110675918_1606843491.34/0/netty-transport-native-kqueue-4-1-24-final-sources-1-
jar/io/netty/channel/kqueue/AcceptFilter.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/NativeLongArray.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueChannelOption.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/Native.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/package-info.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueDomainSocketChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueChannelConfig.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueEventLoop.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueEventArray.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueue.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/AbstractKQueueStreamChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueSocketChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueSocketChannelConfig.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueDatagramChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueDatagramChannelConfig.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/BsdSocket.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueEventLoop.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueServerSocketChannelConfig.java
* /opt/cola/permits/110675918_1606843491.34/0/netty-transport-native-kqueue-4.1-24-final-sources-1.jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java
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* /opt/cola/permits/1110675918_1606843491.34/0/netty-transport-native-kqueue-4-1-24-final-sources-1-jar/META-INF/maven/io.netty/netty-transport-native-kqueue/pom.xml

1.2042 metrics-core 2.2.0

1.2043 concurrent 1.3.4

1.2044 jackson-datatype-jcsr310 2.9.8

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1.2045 coreutils 8.22 24.el7
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/* chown-core.c -- core functions for changing ownership. 
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/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>

#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"

#define FTSENT_IS_DIRECTORY(E) 
   ((E)->fts_info == FTS_D |
    || (E)->fts_info == FTS_DC |
    || (E)->fts_info == FTS_DP |
    || (E)->fts_info == FTS_DNR)

enum RCH_status
{
   /* we called fchown and close, and both succeeded */
   RC_ok = 2,

   /* required_uid and/or required_gid are specified, but don't match */
   RC_excluded,

   /* SAME_inode check failed */
RC_inode_changed,

/* open/fchown isn't needed, isn't safe, or doesn't work due to
permissions problems; fall back on chown */
RC_do_ordinary_chown,

/* open, fstat, fchown, or close failed */
RC_error
};

extern void
chopt_init (struct Chown_option *chopt)
{
  chopt->verbosity = V_off;
  chopt->root_dev_ino = NULL;
  chopt->affect_symlink_referent = true;
  chopt->recurse = false;
  chopt->force_silent = false;
  chopt->user_name = NULL;
  chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
  /* Deliberately do not free chopt->user_name or ->group_name.
They're not always allocated. */
}

/* Convert the numeric group-id, GID, to a string stored in xmalloc'd memory,
and return it. If there's no corresponding group name, use the decimal
representation of the ID. */

extern char *
gid_to_name (gid_t gid)
{
  char buf[INT_BUFSIZE_BOUND (intmax_t)];
  struct group *grp = getgrgid (gid);
  return xstrdup (grp ? grp->gr_name
                   : TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf)
                   : umaxtostr (gid, buf));
}

/* Convert the numeric user-id, UID, to a string stored in xmalloc'd memory,
and return it. If there's no corresponding user name, use the decimal
representation of the ID. */

extern char *
uid_to_name (uid_t uid)
{
  char buf[INT_BUFSIZE_BOUND (intmax_t)];
  struct passwd *pwd = getpwuid (uid);
  return xstrdup (pwd ? pwd->pw_name
                  : TYPE_SIGNED (uid_t) ? imaxtoa (uid, buf)
                  : umaxtoa (uid, buf));
}

/* Allocate a string representing USER and GROUP. */

static char *
user_group_str (char const *user, char const *group)
{
  char *spec = NULL;
  if (user)
    {
      if (group)
        {
          spec = xmalloc (strlen (user) + 1 + strlen (group) + 1);
          stpcpy (stpcpy (stpcpy (spec, user), ":"), group);
        }
      else
        {
          spec = xstrdup (user);
        }
    }
  else if (group)
    {
      spec = xstrdup (group);
    }
  return spec;
}

/* Tell the user how/if the user and group of FILE have been changed.
   If USER is NULL, give the group-oriented messages.
   CHANGED describes what (if anything) has happened. */

static void
describe_change (const char *file, enum Change_status changed,
                  char const *old_user, char const *old_group,
                  char const *user, char const *group)
{
  const char *fmt;
  char *old_spec;
  char *spec;
if (changed == CH_NOT_APPLIED)
{
    printf ("neither symbolic link %s nor referent has been changed\n"),
           quote (file));
    return;
}

spec = user_group_str (user, group);
old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

switch (changed)
{
    case CH_SUCCEEDED:
        fmt = (user ? "changed ownership of %s from %s to %s\n"
               : group ? "changed group of %s from %s to %s\n"
               : "no change to ownership of %s\n");
        break;
    case CH_FAILED:
        if (old_spec)
        {
            fmt = (user ? "failed to change ownership of %s from %s to %s\n"
                    : group ? "failed to change group of %s from %s to %s\n"
                    : "failed to change ownership of %s\n");
        }
        else
        {
            fmt = (user ? "failed to change ownership of %s to %s\n"
                    : group ? "failed to change group of %s to %s\n"
                    : "failed to change ownership of %s\n");
            free (old_spec);
            old_spec = spec;
            spec = NULL;
        }
        break;
    case CH_NO_CHANGE_REQUESTED:
        fmt = (user ? "ownership of %s retained as %s\n"
                : group ? "group of %s retained as %s\n"
                : "ownership of %s retained\n");
        break;
    default:
        abort ();
}

printf (fmt, quote (file), old_spec, spec);

free (old_spec);
free (spec);
Change the owner and/or group of the FILE to UID and/or GID (safely) only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs of FILE. ORIG_ST must be the result of `stat`ing FILE.

The 'safely' part above means that we can't simply use chown(2), since FILE might be replaced with some other file between the time of the preceding stat/lstat and this chown call. So here we open FILE and do everything else via the resulting file descriptor. We first call lstat and verify that the dev/inode match those from the preceding stat call, and only then, if appropriate (given the required_uid and required_gid constraints) do we call fchown.

Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a special file that might have undesirable side effects when opening. In this case the caller can use the less-safe ordinary chown.

Return one of the RCH_status values. */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
                 struct stat const *orig_st,
                 uid_t uid, gid_t gid,
                 uid_t required_uid, gid_t required_gid)
{
    enum RCH_status status = RC_ok;
    struct stat st;
    int open_flags = O_NONBLOCK | O_NOCTTY;
    int fd;

    if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
        return RC_do_ordinary_chown;

    if (! S_ISREG (orig_st->st_mode))
    {
        if (S_ISDIR (orig_st->st_mode))
            open_flags |= O_DIRECTORY;
        else
            return RC_do_ordinary_chown;
    }

    fd = openat (cwd_fd, file, O_RDONLY | open_flags);
    if (! (0 <= fd
            || (errno == EACCES && S_ISREG (orig_st->st_mode)
                && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags))))))
        return (errno == EACCES ? RC_do_ordinary_chown : RC_error);
if (fstat (fd, &st) != 0)
    status = RC_error;
else if (! SAME_INODE (*orig_st, st))
    status = RC_inode_changed;
else if (((required_uid == (uid_t) -1 || required_uid == st.st_uid)
         && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
    if (fchown (fd, uid, gid) == 0)
        { if (close (fd) == 0
            ? RC_ok : RC_error); 
        return status;
    }
else
    { status = RC_error;
    }
}

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;
}

/* Change the owner and/or group of the file specified by FTS and ENT to UID and/or GID as appropriate.
If REQUIRED_UID is not -1, then skip files with any other user ID.
If REQUIRED_GID is not -1, then skip files with any other group ID.
CHOPT specifies additional options.
Return true if successful. */
static bool
change_file_owner (FTS *fts, FTSENT *ent,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid,
    struct Chown_option const *chopt)
{
    char const *file_full_name = ent->fts_path;
    char const *file = ent->fts_accpath;
    struct stat const *file_stats;
    struct stat stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
if (chopt->recurse)
{
    if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
    {
        /* This happens e.g., with "chown -R --preserve-root 0 /"
            and with "chown -RH --preserve-root 0 symlink-to-root". */
        ROOT_DEV_INO_WARN (file_full_name);
        /* Tell fts not to traverse into this hierarchy. */
        fts_set (fts, ent, FTS_SKIP);
        /* Ensure that we do not process "/" on the second visit. */
        ignore_value (fts_read (fts));
        return false;
    }
    return true;
}
break;

case FTS_DP:
    if (! chopt->recurse)
        return true;
    break;

case FTS_NS:
    /* For a top-level file or directory, this FTS_NS (stat failed)
       indicator is determined at the time of the initial fts_open call.
       With programs like chmod, chown, and chgrp, that modify
       permissions, it is possible that the file in question is
       accessible when control reaches this point. So, if this is
       the first time we've seen the FTS_NS for this file, tell
       fts_read to stat it "again". */
    if (ent->fts_level == 0 && ent->fts_number == 0)
    {
        ent->fts_number = 1;
        fts_set (fts, ent, FTS_AGAIN);
        return true;
    }
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _("cannot access %s"),
               quote (file_full_name));
    ok = false;
    break;

case FTS_ERR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "%s", quote (file_full_name));
    ok = false;
    break;
case FTS_DNR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _("cannot read directory %s"),
              quote (file_full_name));
    ok = false;
    break;

case FTS_DC://* directory that causes cycles */
    if (cycle_warning_required (fts, ent))
        {
            if (cycle_warning_required (fts, ent))
                {
                    emit_cycle_warning (file_full_name);
                    return false;
                }
            break;
        }
    break;

    default:
    break;
}

if (!ok)
{
    do_chown = false;
    file_stats = NULL;
}
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
    && chopt->verbosity == V_off
    && ! chopt->root_dev_ino
    && ! chopt->affect_symlink_referent)
{
    do_chown = true;
    file_stats = ent->fts_statp;
}
else
{
    file_stats = ent->fts_statp;

/* If this is a symlink and we're dereferencing them,
   stat it to get info on the referent. */
    if (chopt->affect_symlink_referent && S_ISLNK (file_stats->st_mode))
        {
            if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
                {
                    if (! chopt->force_silent)
                        error (0, errno, _("cannot dereference %s"),
                               quote (file_full_name));
                    ok = false;
                }
file_stats = &stat_buf;
}

do_chown = (ok
  && (required_uid == (uid_t) -1
      || required_uid == file_stats->st_uid)
  && (required_gid == (gid_t) -1
      || required_gid == file_stats->st_gid));

/* This happens when chown -LR --preserve-root encounters a symlink-to/. */
if (ok
  && FTSENT_IS_DIRECTORY (ent)
  && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))
{
  ROOT_DEV_INO_WARN (file_full_name);
  return false;
}

if (do_chown)
{
  if ( ! chopt->affect_symlink_referent)
  {
    ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);
    /* Ignore any error due to lack of support; POSIX requires
     * this behavior for top-level symbolic links with -h, and
     * implies that it's required for all symbolic links. */
    if (!ok && errno == EOPNOTSUPP)
    {
      ok = true;
      symlink_changed = false;
    }
  }
  else
  {
    /* If possible, avoid a race condition with --from=O:G and without the
     * (-h) --no-dereference option. If fts's stat call determined
     * that the uid/gid of FILE matched the --from=O:G-selected
     * owner and group IDs, blindly using chown(2) here could lead
     * chown(1) or chgrp(1) mistakenly to dereference a *symlink* to
     * an arbitrary file that an attacker had moved into the
     * place of FILE during the window between the stat and
     * chown(2) calls. If FILE is a regular file or a directory
     * that can be opened, this race condition can be avoided safely. */

    enum RCH_status err
      = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
switch (err) {
    case RC_ok:
        break;

    case RC_do_ordinary_chown:
        ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
        break;

    case RC_error:
        ok = false;
        break;

    case RC_inode_changed:
        /* FIXME: give a diagnostic in this case? */
        case RC_excluded:
            do_chown = false;
            ok = false;
            break;

        default:
            abort ();
            break;
}

/* On some systems (e.g., GNU/Linux 2.4.x),
the chown function resets the 'special' permission bits.
Do *not* restore those bits; doing so would open a window in
which a malicious user, M, could subvert a chown command run
by some other user and operating on files in a directory
where M has write access. */

if (do_chown && !ok && ! chopt->force_silent)
    error (0, errno, (uid != (uid_t) -1 ? _("changing ownership of %s") : _("changing group of %s")),
        quote (file_full_name));
}

if (chopt->verbosity != V_off)
{
    bool changed =
    ((do_chown && ok && symlink_changed)
    && ! ((uid == (uid_t) -1 || uid == file_stats->st_uid)
    && (gid == (gid_t) -1 || gid == file_stats->st_gid)));

    if (changed || chopt->verbosity == V_high)
enum Change_status ch_status =
  (!ok ? CH_FAILED
   : symlink_changed ? CH_NOT_APPLIED
   : !changed ? CH_NO_CHANGE_REQUESTED
   : CH_SUCCEEDED);
char *old_usr = file_stats ? uid_to_name(file_stats->st_uid) : NULL;
char *old_grp = file_stats ? gid_to_name(file_stats->st_gid) : NULL;
describe_change(file_full_name, ch_status,
    old_usr, old_grp,
    chopt->user_name, chopt->group_name);
free (old_usr);
free (old_grp);
}
}

if (!chopt->recurse)
  fts_set(fts, ent, FTS_SKIP);

return ok;
}

/* Change the owner and/or group of the specified FILES.
BIT_FLAGS specifies how to treat each symlink-to-directory
that is encountered during a recursive traversal.
CHOPT specifies additional options.
If UID is not -1, then change the owner id of each file to UID.
If GID is not -1, then change the group id of each file to GID.
If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
files with user ID and group ID that match the non-(1) value(s).
Return true if successful. */
extern bool
chown_files(char **files, int bit_flags,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid,
    struct Chown_option const *chopt)
{
  bool ok = true;

  /* Use lstat and stat only if they’re needed. */
  int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1
    || chopt->affect_symlink_referent
    || chopt->verbosity != V_off)
    ? 0
    : FTS_NOSTAT);

  FTS *fts = xfts_open(files, bit_flags | stat_flags, NULL);
while (1)
{
FTSENT *ent;
ent = fts_read (fts);
if (ent == NULL)
{
if (errno != 0)
{
/* FIXME: try to give a better message */
if (! chopt->force_silent)
error (0, errno, _("fts_read failed"));
ok = false;
}
break;
}
ok &= change_file_owner (fts, ent, uid, gid,
required_uid, required_gid, chopt);
}
if (fts_close (fts) != 0)
{
error (0, errno, _("fts_close failed"));
ok = false;
}
return ok;
}
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* /opt/cola/permits/110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
jar/org/springframework/beans/factory/support/AutowireUtils.java
* /opt/cola/permits/110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
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jar/org/springframework/beans/factory/support/AutowireUtils.java
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jar/org/springframework/beans/factory/support/AutowireUtils.java
* /opt/cola/permits/110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
jar/org/springframework/beans/factory/support/AutowireUtils.java
* /opt/cola/permits/110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
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* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
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* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-jar/org/springframework/beans/PropertyValuesEditor.java

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  jar/org/springframework/beans/factory/support/ConstructorResolver.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/MutablePropertyValues.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/annotation/AutowiredAnnotationBeanPostProcessor.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/xml/DefaultBeanDefinitionDocumentReader.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/config/YamlPropertiesFactoryBean.java
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  jar/org/springframework/beans/Mergeable.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/support/AbstractBeanFactory.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/xml/DefaultNamespaceHandlerResolver.java
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  jar/org/springframework/beans/factory/support/BeanDefinitionResource.java
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  jar/org/springframework/beans/factory/config/ConfigurableBeanFactory.java
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  jar/org/springframework/beans/factory/support/PropertyValuesValueResolver.java
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  jar/org/springframework/beans/factory/annotation/RequiredAnnotationBeanPostProcessor.java
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  jar/org/springframework/beans/factory/parsing/CompositeComponentDefinition.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/support/BeanDefinitionRegistry.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/xml/ParserContext.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1-
  jar/org/springframework/beans/factory/support/DisposableBeanAdapter.java
* /opt/cola/permits/1110676122_1606843997.72/0/spring-beans-5-0-8-release-sources-1.jar/org/springframework/beans/AbstractPropertyAccessor.java
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jar/org/springframework/util/JdkIdGenerator.java
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* /opt/ws_local/PERMITS_SQL/1068290162_1594350281.54/0/spring-core-5-2-2-release-sources-jar/org/springframework/core/io/buffer/DataBuffer.java
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* /opt/ws_local/PERMITS_SQL/1068290162_1594350281.54/0/spring-core-5-2-2-release-sources-jar/org/springframework/core/convert/support/IdToEntityConverter.java

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* /opt/ws_local/PERMITS_SQL/1068290162_1594350281.54/0/spring-core-5-2-2-release-sources-jar/org/springframework/core/convert/support/MapToMapConverter.java
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1.2069 gnome-icon-theme 3.12.0-1.el7

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1.2073 openssl 1.0.2k 19.el7

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

  Device Boot Start  End   Blocks  Id  System
-------------------
Create 1st primary partition
ada64ace122978d000d1d1c0e5ee45d26 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

  Device Boot Start  End   Blocks  Id  System
__ts_dev__1 2048  4095   1024   83  Linux
-------------------
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbe bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

  Device Boot Start  End   Blocks  Id  System
__ts_dev__1 2048  4095   1024   83  Linux
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start   end   size    fstype  [fsize bsize   cpg]
c:  4096  20479   16384   unused        0     0
  d:   0  16064   16065   unused        0     0

BSD disklabel command (m for help):
Command (m for help):

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

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start   end   size    fstype  [fsize bsize   cpg]
a:  4096  6144   2049    4.2BSD    0     0     0
c:  4096  20479  16384   unused        0     0
  d:   0  16064   16065   unused        0     0

BSD disklabel command (m for help):
Command (m for help):

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

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

0  unused           5  4.1BSD   9  4.4LFS   d  boot
1  swap             6  Eighth Edition a unknown   e  ADOS
2 Version 6        7  4.2BSD   b  HPFS   f  HFS
3 Version 7        8 MS-DOS   c  ISO-9660   10 AdvFS
4 System V

BSD disklabel command (m for help):

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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1:  32  7648  0x83
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1.2075 wildfly-weld-spi 14.0.1.Final

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1.2080 passwd 0.79 6.el7

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1.2090 asm-tree 3.0

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Jikes RVM Addendum.

We have modified Iburg in two ways:
(1) We modified the input patterns it accepts to be consistent with our intermediate representation.
(2) We modified it to produce Java code instead of C code.
(3) Ian Rogers modified it to improve the quality of the code it generates.

All bug reports related to the use of jburg in building Jikes RVM should be reported to the Jikes RVM project and _not_ to David R. Hanson or the iburg project. Please report them using the the normal Jikes RVM bug reporting channels.

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JPython was created in late 1997 by Jim Hugunin. Jim was also the primary developer while he was at CNRI. In February 1999 Barry Warsaw took over as primary developer and released JPython version 1.1.
In October 2000 Barry helped move the software to SourceForge where it was renamed to Jython. Jython 2.0 and 2.1 were developed under the Jython specific license below.

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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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</tr>
</thead>
<tbody>
<tr>
<td>zoom-in.png</td>
<td>viewmag+.png</td>
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<tr>
<td>zoom-out.png</td>
<td>viewmag-.png</td>
</tr>
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http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2's various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1's various parts is at:

Links to all available W3C DOM Java Bindings can be found at:
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The actual classes of The Simple API for CSS (SAC) came from:
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analysis/common/src/java/net/sf/snowball
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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Typical users of this library will not need to depend on this module.


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Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlerc@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
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Gene Volovich <gv@cite.com>
Hal Burch <gmock@hburch.com>
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Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@google.com>
Keir Mierle <mierle@gmail.com>
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Mario Tanev <radix@google.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
Matthew Simmons <simmonmt@acm.org>
Mike Bland <mbland@google.com>
Neal Norwitz <nnorwitz@gmail.com>
Nermin Ozkiranartli <nermin@google.com>
Owen Carlsen <ocarlsen@google.com>
Paneendra Ba <paneendra@google.com>
Paul Menage <menage@google.com>
Piotr Kaminski <piotrk@google.com>
Russ Rufer <russ@pentad.com>
Sverre Sundsdal <sundsdal@gmail.com>
Takeshi Yoshino <tyoshino@gmail.com>
Vadim Berman <vadimb@google.com>
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Source Files

---------

- The file `src/libs/snprintf/snprintf.c', written by Mark Martinec
  <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.
The complete snprintf package together with documentation is available from

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The original package can be found at

src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit_bm
src/devices/xditview/xdit_mask_bm
Macro Packages
-------------

. The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
  tmac/doc-old.tmac
  tmac/doc-common
  tmac/doc-ditroff
  tmac/doc-nroff
  tmac/doc-syms
  tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
  tmac/groff_me.man
  doc/meintro.me
  doc/meref.me

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

. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at


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. The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

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. The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at


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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehyph.tex' (for TeX), which can be found at

http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex

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AUTHOR
------
Peter Schaffter (peter@schaffter.ca)
1-355 Lafontaine Ave
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1.2115 xorg-x11-xkb-utils 7.7 14.el7

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 */

#include <glibmm/object.h>
#include <giomm/cancellable.h>
#include <giomm/asyncresult.h>

#include <gio/gio.h>
#include <glibmm/private/object_p.h>
#include <gio/gio.h>

namespace Gio
{

/** An object representing the permission to perform a certain action.
 *
 * A Permission represents the status of the caller's permission to
 * perform a certain action.
 *
 * You can query if the action is currently allowed and if it is
 * possible to acquire the permission so that the action will be allowed
* in the future.
* There is also an API to actually acquire the permission and one to
* release it.
* As an example, a Permission might represent the ability for the
* user to write to a Settings object. This Permission object could
* then be used to decide if it is appropriate to show a "Click here to
* unlock" button in a dialog and to provide the mechanism to invoke
* when that button is clicked.
* @newin{2,42}
*/

class Permission : public Glib::Object
{
  CLASS_GOBJECT(Permission, GPermission, G_PERMISSION, Glib::Object, GObject)

public:

  WRAP_METHOD(bool acquire(const Glib::RefPtr<Cancellable>& cancellable{?}), g_permission_acquire, errthrow)
  WRAP_METHOD(void acquire_async(const SlotAsyncReady& slot{callback}, const Glib::RefPtr<Cancellable>& cancellable{.?}), g_permission_acquire_async, slot_name slot, slot_callback SignalProxy_async_callback)
  WRAP_METHOD(bool acquire_finish(const Glib::RefPtr<AsyncResult>& result), g_permission_acquire_finish, errthrow)

  WRAP_METHOD(bool release(const Glib::RefPtr<Cancellable>& cancellable{?}), g_permission_release, errthrow)
  WRAP_METHOD(void release_async(const SlotAsyncReady& slot{callback}, const Glib::RefPtr<Cancellable>& cancellable{.?}), g_permission_release_async, slot_name slot, slot_callback SignalProxy_async_callback)
  WRAP_METHOD(bool release_finish(const Glib::RefPtr<AsyncResult>& result), g_permission_release_finish, errthrow)

  WRAP_METHOD(bool get_allowed() const, g_permission_get_allowed)
  WRAP_METHOD(bool get_can_acquire() const, g_permission_get_can_acquire)
  WRAP_METHOD(bool get_can_release() const, g_permission_get_can_release)

  WRAP_PROPERTY("allowed", bool)
  WRAP_PROPERTY("can-acquire", bool)
  WRAP_PROPERTY("can-release", bool)

protected:

  CTOR_DEFAULT

  // A copy is needed for vfuncs, i.e. Glib::wrap($3, true)
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Version 2.1, February 1999

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Ty Coon, President of Vice

That's all there is to it!

// Generated by gmmproc 2.54.1 -- DO NOT MODIFY!
#ifndef _GIOMM_PERMISSION_H
#define _GIOMM.Permission_H

#include <glibmm/ustring.h>
#include <sigc++/sigc++.h>

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 */

#include <glibmm/object.h>
#include <giomm/cancellable.h>
#include <giomm/asyncresult.h>

#ifndef DOXYGEN_SHOULD_SKIP_THIS
using GPermission = struct _GPermission;
using GPermissionClass = struct _GPermissionClass;
#endif /* DOXYGEN_SHOULD_SKIP_THIS */

#ifndef DOXYGEN_SHOULD_SKIP_THIS
namespace Gio {
    class Permission_Class;
} // namespace Gio
#endif //DOXYGEN_SHOULD_SKIP_THIS

namespace Gio {

    /*! An object representing the permission to perform a certain action.
     */


* A Permission represents the status of the caller's permission to
* perform a certain action.
*
* You can query if the action is currently allowed and if it is
* possible to acquire the permission so that the action will be allowed
* in the future.
*
* There is also an API to actually acquire the permission and one to
* release it.
*
* As an example, a Permission might represent the ability for the
* user to write to a Settings object. This Permission object could
* then be used to decide if it is appropriate to show a "Click here to
* unlock" button in a dialog and to provide the mechanism to invoke
* when that button is clicked.
*
* @newin{2,42}
*/

class Permission : public Glib::Object
{

#ifndef DOXYGEN_SHOULD_SKIP_THIS

public:
    using CppObjectType = Permission;
    using CppClassType = Permission_Class;
    using BaseObjectType = GPermission;
    using BaseClassType = GPermissionClass;

    // noncopyable
    Permission(const Permission&) = delete;
    Permission& operator=(const Permission&) = delete;

private:  friend class Permission_Class;
    static CppClassType permission_class_;

protected:
    explicit Permission(const Glib::ConstructParams& construct_params);
    explicit Permission(GPermission* castitem);

#endif /* DOXYGEN_SHOULD_SKIP_THIS */

public:

    Permission(Permission&& src) noexcept;
    Permission& operator=(Permission&& src) noexcept;

Permission(Permission&& src) noexcept;
Permission& operator=(Permission&& src) noexcept;

Open Source Used In Data Center Network Manager 11.5(1) 19717
~Permission() noexcept override;

/** Get the GType for this class, for use with the underlying GObject type system. */
static GType get_type() G_GNUC_CONST;

#ifndef DOXYGEN_SHOULD_SKIP_THIS
static GType get_base_type() G_GNUC_CONST;
#endif

// Provides access to the underlying C GObject.
GPermission* gobj() { return reinterpret_cast<GPermission*>(gobject_); }

// Provides access to the underlying C GObject.
const GPermission* gobj() const { return reinterpret_cast<GPermission*>(gobject_); }

// Provides access to the underlying C instance. The caller is responsible for unrefing it. Use when directly setting fields in structs.
GPermission* gobj_copy();

private:

public:

/** Attempts to acquire the permission represented by @a permission. */
*
* The precise method by which this happens depends on the permission
* and the underlying authentication mechanism. A simple example is
* that a dialog may appear asking the user to enter their password.
* *
* You should check with g_permission_get_can_acquire() before calling
* this function.
* *
* If the permission is acquired then <tt>true</tt> is returned. Otherwise,
* <tt>false</tt> is returned and @a error is set appropriately.
* *
* This call is blocking, likely for a very long time (in the case that
* user interaction is required). See g_permission_acquire_async() for
* the non-blocking version.
* *
* @newin{2,26}
* *
* @param cancellable A Cancellable, or <tt>nullptr</tt>.
* @return <tt>true</tt> if the permission was successfully acquired.
bool acquire(const Glib::RefPtr<Cancellable>& cancellable);

/// A acquire() convenience overload.
bool acquire();

/** Attempts to acquire the permission represented by @a permission.
 * @param cancellable A Cancellable, or nullptr.
 * @param slot The SlotAsyncReady to call when done.
 */
void acquire_async(const SlotAsyncReady& slot, const Glib::RefPtr<Cancellable>& cancellable);

/// A acquire_async() convenience overload.
void acquire_async(const SlotAsyncReady& slot);

/** Collects the result of attempting to acquire the permission represented by @a permission.
 * @param result TheAsyncResult given to the SlotAsyncReady.
 * @return true if the permission was successfully acquired.
 * @throws Glib::Error
 */
bool acquire_finish(const Glib::RefPtr<AsyncResult>& result);

/** Attempts to release the permission represented by @a permission.
 * The precise method by which this happens depends on the permission
 * and the underlying authentication mechanism. In most cases the
 * permission will be dropped immediately without further action.
 * You should check with g_permission_get_can_release() before calling
 * this function.
 */
* If the permission is released then `<tt>true</tt>` is returned. Otherwise, * `<tt>false</tt>` is returned and an error is set appropriately.

* This call is blocking, likely for a very long time (in the case that * user interaction is required). See `g_permission_release_async()` for * the non-blocking version.

* @newin{2,26}

* @param cancellable A Cancellable, or `<tt>nullptr</tt>`.
* @return `<tt>true</tt>` if the permission was successfully released.

* @throws Glib::Error

bool release(const Glib::RefPtr<Cancellable>& cancellable);

/// A release() convenience overload.
bool release();

/** Attempts to release the permission represented by @a permission.

* This is the first half of the asynchronous version of
* `g_permission_release()`.

* @newin{2,26}

* @param cancellable A Cancellable, or `<tt>nullptr</tt>`.
* @param slot The SlotAsyncReady to call when done.

*/
void release_async(const SlotAsyncReady& slot, const Glib::RefPtr<Cancellable>& cancellable);

/// A release_async() convenience overload.
void release_async(const SlotAsyncReady& slot);

/** Collects the result of attempting to release the permission
represented by @a permission.

* This is the second half of the asynchronous version of
* `g_permission_release()`.

* @newin{2,26}

* @param result The AsyncResult given to the SlotAsyncReady.
* @return `<tt>true</tt>` if the permission was successfully released.

* @throws Glib::Error

*/
bool release_finish(const Glib::RefPtr<AsyncResult>& result);
/** Gets the value of the 'allowed' property. This property is <tt>true</tt> if 
* the caller currently has permission to perform the action that 
* a permission represents the permission to perform. 
* 
* @newin{2,26} 
* 
* @return The value of the 'allowed' property. 
*/ 
bool get_allowed() const;

/** Gets the value of the 'can-acquire' property. This property is <tt>true</tt> 
* if it is generally possible to acquire the permission by calling 
* g_permission_acquire(). 
* 
* @newin{2,26} 
* 
* @return The value of the 'can-acquire' property. 
*/ 
bool get_can_acquire() const;

/** Gets the value of the 'can-release' property. This property is <tt>true</tt> 
* if it is generally possible to release the permission by calling 
* g_permission_release(). 
* 
* @newin{2,26} 
* 
* @return The value of the 'can-release' property. 
*/ 
bool get_can_release() const;

/** <tt>true</tt> if the caller currently has permission to perform the action that 
* a permission represents the permission to perform. 
* 
* @return A PropertyProxy_ReadOnly that allows you to get the value of the property, 
* or receive notification when the value of the property changes. 
*/ 
Glib::PropertyProxy_ReadOnly< bool > property_allowed() const;

/** <tt>true</tt> if it is generally possible to acquire the permission by calling 
* g_permission_acquire(). 
* 
* @return A PropertyProxy_ReadOnly that allows you to get the value of the property, 
* or receive notification when the value of the property changes. 
*/
@return A PropertyProxyReadOnly that allows you to get the value of the property,
* or receive notification when the value of the property changes.
*/
Glib::PropertyProxyReadOnly< bool > property_can_acquire() const;

/** <tt>true</tt> if it is generally possible to release the permission by calling
 * g_permission_release().
 *
 * Default value: <tt>false</tt>
 *
 * @return A PropertyProxyReadOnly that allows you to get the value of the property,
 * or receive notification when the value of the property changes.
 */
Glib::PropertyProxyReadOnly< bool > property_can_release() const;

protected:

Permission();

// A copy is needed for vfuncs, i.e. Glib::wrap($3, true)

/// @throws Glib::Error.
virtual bool acquire_vfunc(const Glib::RefPtr<Cancellable>& cancellable);

virtual void acquire_async_vfunc(const SlotAsyncReady& slot, const Glib::RefPtr<Cancellable>& cancellable);

/// @throws Glib::Error.
virtual bool acquire_finish_vfunc(const Glib::RefPtr<AsyncResult>& result);

/// @throws Glib::Error.
virtual bool release_vfunc(const Glib::RefPtr<Cancellable>& cancellable);

virtual void release_async_vfunc(const SlotAsyncReady& slot, const Glib::RefPtr<Cancellable>& cancellable);

/// @throws Glib::Error.
virtual bool release_finish_vfunc(const Glib::RefPtr<AsyncResult>& result);

// You should never call this function except from a Gio::Permission implementation.

/// This function is called by the Permission implementation to update
 * the properties of the permission. You should never call this
 * function except from a Permission implementation.
* GObject notify signals are generated, as appropriate.
* 
* @newin{2,26}
* 
* @param allowed The new value for the 'allowed' property.
* @param can_acquire The new value for the 'can-acquire' property.
* @param can_release The new value for the 'can-release' property.
* /
void impl_update(bool allowed, bool can_acquire, bool can_release);

public:

public:

//C++ methods used to invoke GTK+ virtual functions:

protected:

//GTK+ Virtual Functions (override these to change behaviour):

//Default Signal Handlers::

};

} // namespace Gio

namespace Glib
{

/** A Glib::wrap() method for this object.
* 
* @param object The C instance.
* @param take_copy False if the result should take ownership of the C instance. True if it should take a new copy or ref.
* @result A C++ instance that wraps this C instance.
* 
* @relates Gio::Permission
* /
Glib::RefPtr<Gio::Permission> wrap(GPermission* object, bool take_copy = false);

#endif /* _GIOMM_PERMISSION_H */
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* /opt/ws_local/PERMITS_SQL/1074298755_1595724278.19/0/spring-boot-autoconfigure-2-1-8-release-sources-1.jar/org/springframework/boot/autoconfigure/jms/JmsProperties.java
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1.2126 antlr4-annotations 4.3

1.2127 artemis-jms-client 1.1.0.wildfly-017

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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see
Open Source Used In Data Center Network Manager 11.5(1) 19788

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

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

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* /opt/ws_local/PERMITS_SQL/1030987927_1594213878.39/0/netty-transport-native-unix-common-4-1-45-final-sources-jar/netty_unix_buffer.c
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* /opt/ws_local/PERMITS_SQL/1030987927_1594213878.39/0/netty-transport-native-unix-common-4-1-45-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java

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* /opt/ws_local/PERMITS_SQL/1030987927_1594213878.39/0/netty-transport-native-unix-common-4-1-45-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java
1.2130 jbcrypt 0.4

1.2131 iconv 2.17

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1.2132 smallrye-health 1.0.2

1.2133 pierrec-lz4 2.3.0+incompatible

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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
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1.2140 jbosstxbridge 5.9.0.Final

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 * /opt/ws_local/PERMITS_SQL/1091710504_1600571841.41/0/wildfly-elytron-auth-1-11-2-final-sources-jar/org/wildfly/security/auth/principal/RealmNestedPrincipal.java
 * /opt/ws_local/PERMITS_SQL/1091710504_1600571841.41/0/wildfly-elytron-auth-1-11-2-final-sources-jar/org/wildfly/security/auth/principal/NumericPrincipal.java

1.2142 jline-reader 3.10.0

1.2143 jersey-common 2.12
1.2144 gax-go v1.0.0
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1.2146 dmidecode 3.2 3.el7
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# Jackson JSON processor

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

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1.2148 jest-common 6.3.1

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1.2152 spring-plugin-core 1.2.0.RELEASE

1.2153 python-flask 1.1.2

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1.2154 gpgme 1.3.2-5.el7atomix1

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1.2155 jackson-data 1.9.13

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1.2157 antlr 3.5.2

1.2158 jmustache 1.12

1.2159 jackson-dataformat-cbor 2.9.9

1.2160 plexus-container-default 1.0-alpha-9-stable-1
1.2161 jnr-netdb 1.1.6

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1.2163 hibernate-search-orm 5.10.3.Final
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/logging/LogLevel.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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  * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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  * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
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  * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
  * /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
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jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslSession.java

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  jar/io/netty/handler/ssl/Java9SslUtils.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io/netty/handler/ssl/PemPrivateKey.java
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java

1.2165 jboss-ejb-api-3-2-spec 1.0.1.Final

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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ssl/SslContext.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslEngine.java
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  jar/io/netty/handler/ipfilter/IPFilterRuleType.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ipfilter/IPFilterRuleType.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
  jar/io/netty/handler/ipfilter/IPFilterRuleType.java
jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ipfilter/package-info.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ssl/SslUtils.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ssl/PemReader.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ssl/JdkSslEngine.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
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jar/io/netty/handler/jar/io/netty/handler/ssl/SniHandler.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ssl/OpenJdkSelfSignedCertGenerator.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ssl/SSLUserState.java
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jar/io/netty/handler/jar/io/netty/handler/ssl/SSLUtil.java
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jar/io/netty/handler/jar/io/netty/handler/ssl/SSLContext.java
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jar/io/netty/handler/jar/io/netty/handler/ssl/SSLHandshake.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-
jar/io/netty/handler/jar/io/netty/handler/ssl/SSLException.java
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jar/io/netty/handler/jar/io/netty/handler/ssl/SSLHandshakeListener.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/InsecureTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-jar/io/netty/handler/ssl/SslProvider.java
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* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1- jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1- jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java

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  jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
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  jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-19918
  jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-19918
  jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-19918
  jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-19918
  jar/io/netty/handler/ssl/Java9SslUtils.java
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  jar/io/netty/handler/ssl/OptionalSshHandler.java
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  jar/io/netty/handler/ssl/Java9SslEngine.java
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  jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/ws_local/PERMITS_SQL/1063377786_1592971946.17/0/netty-handler-4-1-43-final-sources-1-19918
  jar/io/netty/handler/ssl/Conscrypt.java

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1.2175 wildfly-host-controller 6.0.2.Final

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1.2176 godbus v4.0.0

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1.2177 authconfig 6.2.8-30.el7

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Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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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
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jar/org/springframework/security/crypto/keygen/BytesEncryptor.java
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jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
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jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
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jar/org/springframework/security/crypto/keygen/KeyGenerators.java
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jar/org/springframework/security/crypto/password/PasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/crypto/password/Digester.java
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/**
 * Base64 encoder which is a reduced version of Robert Harder's public domain implementation (version 2.3.7).
 * See <a href="http://iharder.net/base64">http://iharder.net/base64</a> for more information.
 *<p>
 * For internal use only.
 *
 * @author Luke Taylor
 * @since 3.0
 */

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/* Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest

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Algorithm.
*
* @author Alan Stewart
*/

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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/authentication/encoding/Md4.java
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/**
 * A token issued by { @link TokenService }. 
 * 
 * It is important that the keys assigned to tokens are sufficiently randomised and secured that 
 * they can serve as identifying a unique user session. Implementations of { @link TokenService } 
 * are free to use encryption or encoding strategies of their choice. It is strongly recommended that 
 * keys are of sufficient length to balance safety against persistence cost. In relation to persistence 
 * cost, it is strongly recommended that returned keys are small enough for encoding in a cookie.
 * */
* @author Ben Alex
* @since 2.0.1
*/

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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/core/token/Token.java
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/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be checked. May be null
 * in which case implementations should return false, as the null condition can be checked explicitly
 * @param permission a representation of the permission object as supplied by the expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

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/**
* Reviews the <code>Object</code> returned from a secure object invocation,
* being able to modify the <code>Object</code> or throw an [@link
* AccessDeniedException].
* </p>
* Typically used to ensure the principal is permitted to access the domain
* object instance returned by a service layer bean. Can also be used to
* mutate the domain object instance so the principal is only able to access
* authorised bean properties or <code>Collection</code> elements.
* </p>
* Special consideration should be given to using an
* <code>AfterInvocationManager</code> on bean methods that modify a database.
* Typically an <code>AfterInvocationManager</code> is used with read-only
* methods, such as <code>public DomainObject getByld(id)</code>. If used with
* methods that modify a database, a transaction manager should be used to
* ensure any <code>AccessDeniedException</code> will cause a rollback of the
* changes made by the transaction.
* @author Ben Alex
*/

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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/access/intercept/AfterInvocationManager.java
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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/core/SpringSecurityMessageSource.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/authentication/AnonymousAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/util/InMemoryResource.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/access/method/MapBasedMethodSecurityMetadataSource.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/authentication/event/AuthenticationFailureLockedEvent.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetails.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/access/vote/AuthenticatedVoter.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/authentication/RememberMeAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetails.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/access/vote/UnanimousBased.java
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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/dao/SaltSource.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/AuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/InsufficientAuthenticationException.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/access/intercept/MethodInvocationPrivilegeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/core/context/GlobalSecurityContextHolderStrategy.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/access/annotation/Jsr250MethodSecurityMetadataSource.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/rcp/AbstractUserDetailsAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/core/userdetails/cache/NullUserCache.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/AccountExpiredException.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/AbstractAuthenticationToken.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/core/session/SessionInformation.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/authentication/rcp/RemoteAuthenticationManager.java
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jar/org/springframework/security/authentication/RememberMeAuthenticationToken.java
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jar/org/springframework/security/authentication/jaas/event/JaasAuthenticationSuccessEvent.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
jar/org/springframework/security/core/userdetails/memory/UserAttributeEditor.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1.jar/org/springframework/security/core/userdetails/UsernameNotFoundException.java
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* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-jar/org/springframework/security/access/method/AbstractMethodSecurityMetadataSource.java

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  jar/org/springframework/security/authentication/jaas/memory/InMemoryConfiguration.java
* /opt/ws_local/PERMITS_SQL/1074377843_1595816935.22/0/spring-security-core-3-1-4-release-sources-1-
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1.2191 connect-runtime 2.4.1

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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java
* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java

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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateView.java
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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-jar/org/springframework/web/servlet/mvc/Controller.java
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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java
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*/
/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * [ @link #locateSource detected ] during response rendering. Users can either specify
 * a specific entry in the model via the [ @link #setSourceKey sourceKey] property or
 * have Spring locate the Source object. This class also provides basic version
 * of objects into Source implementations. See [ @link #getSourceTypes() here]
 * for more details.
 *
 * <p>All model parameters are passed to the XSLT Transformer as parameters.
 * In addition the user can configure [ @link #setOutputProperties output properties]
 * to be passed to the Transformer.
 *
 * @author Rob Harrop
 * @author Juergen Hoeller
 * @since 2.0
 */

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 */
A contract for inspecting and potentially modifying request data values such as URL query parameters or form field values before they are rendered by a view or before a redirect.

Implementations may use this contract for example as part of a solution to provide data integrity, confidentiality, protection against cross-site request forgery (CSRF), and others or for other tasks such as automatically adding a hidden field to all forms and URLs.

View technologies that support this contract can obtain an instance to delegate to via \( \text{@link RequestContext\#getRequestDataValueProcessor()} \).

@since 3.1

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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/0/spring-webmvc-5-1-6-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/spring-webmvc-5-1-6-release-sources-1.jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
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* /opt/ws_local/PERMITS_SQL/1068794207_1594429781.2/spring-webmvc-5-1-6-release-sources-1.jar/org/springframework/web/i18n/CorsBeanDefinitionParser.java
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1.2199 eigenbase-properties 1.1.0.10924

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1.2200 microcode-ctl 2.1-53.7.el7_7

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2.1.4.RELEASE

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1.2204 spring-expression 5.1.9.RELEASE

1.2205 jcommon 1.0.23
1.2205.1 Available under license:

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/**
* A simple class representing a contributor to a software project.
* <p>
* Used in the AboutFrame class.
* 
* @author David Gilbert
*/
public class Contributor {

/** The name. */
private String name;

/** The e-mail address. */
private String email;

/**
* Creates a new contributor.
* 
* @param name the name.
* @param email the e-mail address.
*/
public Contributor(final String name, final String email) {
    this.name = name;
    this.email = email;
}

/**
* Returns the contributor's name.
*
* @return the contributor's name.
*/
public String getName() {
    return this.name;
}

/**
 * Returns the contributor's e-mail address.
 *
 * @return the contributor's e-mail address.
 */
public String getEmail() {
    return this.email;
}

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* $Id: Licences.java,v 1.4 2005/11/16 15:58:41 taqua Exp $
*
* Changes
* -------
* 26-Nov-2001 : Version 1 (DG);
* 29-Jan-2002 : Appended the instructions to the end of the GNU LGPL and GPL
* to comply with GNU requirements (DG);
* 28-Feb-2002 : Moved to package com.jrefinery.ui.about (DG);
* 08-Oct-2002 : Fixed errors reported by Checkstyle (DG);
* 17-Aug-2013 : Removed the text from GPL and LGPL static strings, which just
* waste memory, and deprecated to point people to getGPL() and
* getLGPL() (DG);
*
*/

package org.jfree.ui.about;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.io.UnsupportedEncodingException;

/**
 * Contains the full texts of the GNU General Public Licence and the GNU Lesser
 * General Public Licence. These are used in the presentation of a standard
 * 'About' frame.
 */
public class Licences {

    /**
     * The GNU General Public Licence.
     *
     * @deprecated Use {@link #getGPL()}.
     */
    public static final String GPL = "GNU GENERAL PUBLIC LICENSE\n";

    /**
     * The GNU Lesser General Public Licence.
     *
     * @deprecated Use {@link #getLGPL()}.
     */
    public static final String LGPL = "GNU LESSER GENERAL PUBLIC LICENSE\n";

}
public static final String LGPL = "GNU LESSER GENERAL PUBLIC LICENSE

/** The singleton instance of this class. */
private static Licences singleton;

/**
 * Returns a reference to the single instance of this class. In fact,
 * there is little point to having an instance of this class, but we're
 * leaving it that way for backwards compatibility until the JCommon
 * retirement.
 *
 * @return the instance reference.
 */
public static Licences getInstance() {
    if (singleton == null) {
        singleton = new Licences();
    }
    return singleton;
}

/**
 * Returns the GPL (v2.1) text.
 *
 * @return the GPL licence text.
 */
public String getGPL() {
    return readStringResource("gpl-2.0.txt");
}

/**
 * Returns the LGPL (v2.1) text.
 *
 * @return the LGPL licence text.
 */
public String getLGPL() {
    return readStringResource("lgpl-2.1.txt");
}

private String readStringResource(String name) {
    StringBuilder sb = new StringBuilder();
    InputStreamReader streamReader = null;
    try {
        InputStream inputStream = getClass().getResourceAsStream(name);
        streamReader = new InputStreamReader(inputStream, "UTF-8");
        BufferedReader in = new BufferedReader(streamReader);
        for (String line; (line = in.readLine()) != null;) {
            sb.append(line).append("n");
        }
    } finally {
        if (streamReader != null) {
            streamReader.close();
        }
    }
    return sb.toString();
}
} catch (UnsupportedEncodingException ex) {
    throw new RuntimeException(ex);
} catch (IOException e) {
    throw new RuntimeException(e);
} finally {
    try {
        streamReader.close();
    } catch (IOException ex) {
        throw new RuntimeException(ex);
    }
}
return sb.toString();
}
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*/
/**
 * Return the web session for the current request. Always guaranteed to
 * return an instance either matching to the session id requested by the
 * client, or with a new session id either because the client did not
 * specify one or because the underlying session had expired. Use of this
 * method does not automatically create a session. See { @link WebSession}
 * for more details.
 */

Found in path(s):
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-
jar/org/springframework/web/server/ServerWebExchange.java
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Found in path(s):
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-
jar/org/springframework/web/client/MessageBodyClientHttpResponseWrapper.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-
jar/org/springframework/web/server/ServerWebExchangeDecorator.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-
jar/org/springframework/web/method/annotation/MethodArgumentConversionNotSupportedException.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-
jar/org/springframework/web/util/pattern/PathPatternParser.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-
jar/org/springframework/web/client/RestClientResponseException.java
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* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/client/support/InterceptingHttpAccessor.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/multipart/MultipartException.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/HttpCookie.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactoryBean.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/remoting/server/i18n/LocaleContextResolver.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/remoting/caucho/HessianProxyFactoryBean.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/multipart/MaxUploadSizeExceededException.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/HttpMediaTypeNotSupportedException.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/client/AbstractBufferingAsyncClientHttpRequest.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/context/support/WebApplicationObjectSupport.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/server/RequestPath.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/context/request/async/CallableProcessingInterceptorAdapter.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/context/support/ServletContextScope.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/remoting/jaxws/JaxWsPortClientInterceptor.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/remoting/caucho/HessianClientInterceptor.java
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 */

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Found in path(s):
* /opt/cola/permits/1110675632_1606843677.44/o/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java

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Found in path(s):
* /opt/cola/permits/1110675632_1606843677.44/o/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java
* /opt/cola/permits/1110675632_1606843677.44/o/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/cola/permits/1110675632_1606843677.44/o/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/client/ClientHttpRequest.java
* /opt/cola/permits/1110675632_1606843677.44/o/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/bind/support/SessionStatus.java

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jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/context/ConfigurableWebApplicationContext.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/jsf/FacesContextUtils.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/client/AbstractClientHttpRequest.java
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* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/method/annotation/ErrorsMethodArgumentResolver.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/client/HttpServerErrorException.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/bind/support/ConfigurableWebBindingInitializer.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/codec/support/BaseCodecConfigurer.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/util/ServletContextPropertyUtils.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/http/server/reactive/ServerHttpRequestDecorator.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/server/handler/DefaultWebFilterChain.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1-jar/org/springframework/web/context/support/StandardServletEnvironment.java

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* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/http/client/reactive/ClientHttpResponseDecorator.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/web/method/annotation/AbstractCookieValueMethodArgumentResolver.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/web/jsf/el/WebApplicationContextFacesELResolver.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/web/context/support/AbstractRefreshableWebApplicationContext.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/web/context/support/WebApplicationContextUtils.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/web/client/RestOperations.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/http/server/reactive/JettyHeadersAdapter.java
* /opt/cola/permits/1110675632_1606843677.44/0/spring-web-5-1-4-release-sources-1.jar/org/springframework/http/client/support/BasicAuthorizationInterceptor.java
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# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <http://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
#
# MIME type (lowercased)Extensions
# ==============================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
# application/andrew-insetez
# application/applefile
# application/applixwareaw
# application/atf
# application/atfx
# application/atom+xml
# application/atomcat+xml
# application/atomdeleted+xml
# application/atomicmail
# application/atomsvc+xml
# application/axml
# application/auth-policy+xml
<table>
<thead>
<tr>
<th>MIME Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>application/ipfix</td>
<td>IP Fix</td>
</tr>
<tr>
<td># application/ipp</td>
<td>IPP</td>
</tr>
<tr>
<td># application/isup</td>
<td>ISUP</td>
</tr>
<tr>
<td># application/its+xml</td>
<td>ITS XML</td>
</tr>
<tr>
<td>application/java-archive</td>
<td>Java Archive Jar</td>
</tr>
<tr>
<td>application/java-serialized-object</td>
<td>Java Serialized Object</td>
</tr>
<tr>
<td>application/java-vm</td>
<td>Java VM</td>
</tr>
<tr>
<td>application/javascript</td>
<td>JavaScript</td>
</tr>
<tr>
<td># application/jose</td>
<td>Jose</td>
</tr>
<tr>
<td># application/jose+json</td>
<td>Jose+JSON</td>
</tr>
<tr>
<td># application/jrd+json</td>
<td>JRD+JSON</td>
</tr>
<tr>
<td>application/json</td>
<td>JSON</td>
</tr>
<tr>
<td># application/json-patch+json</td>
<td>JSON Patch+JSON</td>
</tr>
<tr>
<td>application/json-seq</td>
<td>JSON Seq</td>
</tr>
<tr>
<td>application/jsonml+json</td>
<td>JSONML+JSON</td>
</tr>
<tr>
<td># application/jwk+json</td>
<td>JWK+JSON</td>
</tr>
<tr>
<td># application/jwk-set+json</td>
<td>JWK Set+JSON</td>
</tr>
<tr>
<td># application/jwt</td>
<td>JWT</td>
</tr>
<tr>
<td># application/kpml-request+xml</td>
<td>KPML Request+XML</td>
</tr>
<tr>
<td># application/kpml-response+xml</td>
<td>KPML Response+XML</td>
</tr>
<tr>
<td># application/lfd+json</td>
<td>LF+JSON</td>
</tr>
<tr>
<td># application/ld+xml</td>
<td>LD+XML</td>
</tr>
<tr>
<td># application/link-format</td>
<td>Link Format</td>
</tr>
<tr>
<td># application/load-control+xml</td>
<td>Load Control+XML</td>
</tr>
<tr>
<td>application/lost+xml</td>
<td>Lost XML</td>
</tr>
<tr>
<td># application/lostsync+xml</td>
<td>LostSync+XML</td>
</tr>
<tr>
<td># application/lxf</td>
<td>LXF</td>
</tr>
<tr>
<td>application/mac-binhex40</td>
<td>Mac Binhex 40</td>
</tr>
<tr>
<td>application/mac-compactpro</td>
<td>Mac Compactpro</td>
</tr>
<tr>
<td># application/macwriteii</td>
<td>MacWriteII</td>
</tr>
<tr>
<td>application/mads+xml</td>
<td>MADS XML</td>
</tr>
<tr>
<td>application/marc</td>
<td>MARC</td>
</tr>
<tr>
<td>application/marcxml+xml</td>
<td>MARCXML+XML</td>
</tr>
<tr>
<td>application/mathematica</td>
<td>Mathematica</td>
</tr>
<tr>
<td>application/mathml+xml</td>
<td>MathML+XML</td>
</tr>
<tr>
<td># application/mathml-content+xml</td>
<td>MathML Content+XML</td>
</tr>
<tr>
<td># application/mathml-presentation+xml</td>
<td>MathML Presentation+XML</td>
</tr>
<tr>
<td># application/mbms-associated-procedure-description+xml</td>
<td>MBMS Associated Procedure Description+XML</td>
</tr>
<tr>
<td># application/mbms-deregister+xml</td>
<td>MBMS Deregister+XML</td>
</tr>
<tr>
<td># application/mbms-envelope+xml</td>
<td>MBMS Envelope+XML</td>
</tr>
<tr>
<td># application/mbms-msk+xml</td>
<td>MBMS MSK+XML</td>
</tr>
<tr>
<td># application/mbms-previous-request+xml</td>
<td>MBMS Previous Request+XML</td>
</tr>
<tr>
<td># application/mbms-register+xml</td>
<td>MBMS Register+XML</td>
</tr>
<tr>
<td># application/mbms-register-response+xml</td>
<td>MBMS Register Response+XML</td>
</tr>
<tr>
<td># application/mbms-schedule+xml</td>
<td>MBMS Schedule+XML</td>
</tr>
<tr>
<td># application/mbms-user-service-description+xml</td>
<td>MBMS User Service Description+XML</td>
</tr>
</tbody>
</table>
# application/tamp-error
# application/tamp-sequence-adjust
# application/tamp-sequence-adjust-confirm
# application/tamp-status-query
# application/tamp-status-response
# application/tamp-update
# application/tamp-update-confirm
application/tei+xml  tei  teicorpus
application/thraud+xml  tfi
# application/timestamp-query
# application/timestamp-reply
application/timestamped-datsd
# application/ttml+xml
# application/tve-trigger
# application/ulpfec
# application/urc-grpsheet+xml
# application/urc-ressheet+xml
# application/urc-targetdesc+xml
# application/urc-uisocketdesc+xml
# application/vcard+json
# application/vcard+xml
# application/vemmi
# application/vividence.scriptfile
# application/vnd.3gpp-prose+xml
# application/vnd.3gpp-prose-pc3ch+xml
# application/vnd.3gpp.access-transfer-events+xml
# application/vnd.3gpp.bsf+xml
# application/vnd.3gpp.mid-call+xml
application/vnd.3gpp.pic-bw-largeplb
application/vnd.3gpp.pic-bw-smallpsb
application/vnd.3gpp.pic-bw-varpvb
# application/vnd.3gpp.sms
# application/vnd.3gpp.sms+xml
# application/vnd.3gpp.srcc-evt+xml
# application/vnd.3gpp.srcc-info+xml
# application/vnd.3gpp.state-and-event-info+xml
# application/vnd.3gpp.ussd+xml
# application/vnd.3gpp2.bcmcsinfo+xml
# application/vnd.3gpp2.sms
application/vnd.3gpp2.tcapcap
# application/vnd.3lightssoftware.imagescal
application/vnd.3m.post-it-notes+pwn
application/vnd.accpac.simply.asoaso
application/vnd.accpac.simply.impimp
application/vnd.acucobolacu
application/vnd.acucorpate acutc
application/vnd.adobe.air-application-installer-package+zipair
# application/vnd.adobe.airflash.movie
# application/vnd.iptc.g2.packageitem+xml
# application/vnd.iptc.g2.planningitem+xml
application/vnd.ipunplugged.rcprofile
application/vnd.ipunplugged.rcprofile
application/vnd.irepository.package+xml
application/vnd.is-xpr
application/vnd.isac.fcs
application/vnd.jam
# application/vnd.japannet-directory-service
# application/vnd.japannet-jpnstore-wakeup
# application/vnd.japannet-payment-wakeup
# application/vnd.japannet-registration
# application/vnd.japannet-registration-wakeup
# application/vnd.japannet-setstore-wakeup
# application/vnd.japannet-verification
# application/vnd.japannet-verification-wakeup
application/vnd.jcp.javame.midlet-rms
application/vnd.jisp
application/vnd.joost.joda-archive
# application/vnd.jsk.isdn-ngn
application/vnd.kahootz
application/vnd.kde.karbon
application/vnd.kde.kchart
application/vnd.kde.kformula
application/vnd.kde.kivio
application/vnd.kde.kontour
application/vnd.kde.kpresenter
application/vnd.kde.kspread
application/vnd.kde.kword
application/vnd.kenameaapp
application/vnd.kidspiration
application/vnd.kinar
application/vnd.koan
application/vnd.kodak-descriptor
application/vnd.las.las+xml
# application/vnd.liberty-request+xml
application/vnd.llamagraphics.life-balance.desktop
application/vnd.llamagraphics.life-balance.desktop
application/vnd.llamagraphics.life-balance.exchange+xml
application/vnd.las.las+xml
# application/vnd.mapbox-vector-tile
# application/vnd.marlin.drm.actiontoken+xml
# application/vnd.marlin.drm.conftoken+xml
application/vnd.lotus-1-2-3
application/vnd.lotus-approach
application/vnd.lotus-freelance
application/vnd.lotus-notes
application/vnd.lotus-organizer
application/vnd.lotus-screencam
application/vnd.lotus-wordpro
application/vnd.macports.portpkg
application/vnd.mapbox-vector-tile
# application/vnd.marlin.drm.actiontoken+xml
# application/vnd.marlin.drm.conftoken+xml

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application/x-ms-xbapxbap
application/x-msaccessmdb
application/x-msbinderobd
application/x-mscardfilecrd
application/x-mscliplcp
application/x-mdownloadexe dll com bat msi
application/x-msmediaviewmvb m13 m14
application/x-msmetafilenewmfilemwm emf emz
application/x-msmoneymny
application/x-mspublisherpub
application/x-msscheduledscd
application/x-msterminaltrm
application/x-mswritewri
application/x-netcdfnc cdf
application/x-nzbnzb
application/x-pkcs12p12 pfx
application/x-pkcs7-certificatesp7b spc
application/x-pkcs7-certreqrespp7r
application/x-rar-compressedrar
application/x-research-infosystemsr
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# application/xcap-att+xml
# application/xcap-caps+xml
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# application/xcap-error+xml
# application/xcap-ns+xml
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# application/xml-patch+xml
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application/xproc+xml	xpl
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# audio/3gpp
# audio/3gpp2
# audio/ac3
audio/adpcm	adp
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# message/vnd.wfa.wsc
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# model/gltf+json
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# multipart/header-set
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# multipart/parallel
# multipart/related
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# multipart/voice-message
# multipart/x-mixed-replace
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text/calendarics ifb
text/css css

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# video/vnd.iptvforum.ttsmpeg2
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# video/vnd.radgametools.smacker
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# video/vnd.sealed.mpeg4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
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video/vnd.vivoviv
# video/vp8
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video/x-fliflv
video/x-m4vm4v
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1.2209 spring-context 5.2.2.RELEASE

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  jar/org/springframework/scheduling/support/CronTrigger.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/format/number/PercentStyleFormatter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/scripting/config/LangNamespaceHandler.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/format/datetime/joda/DurationFormatter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/jmx/export/annotation/ManagedResource.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
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  jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/annotation/ImportAware.java

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*/
/**
* Abstract the invocation of a cache operation.
* 
* <p>Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
* 
* @author Stephane Nicoll
* @since 4.1
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/FilterType.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/scheduling/concurrent/CustomizableThreadFactory.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/i18n/LocaleContext.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/Lazy.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/format/datetime/joda/MillisecondInstantPrinter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1.jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
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jar/org/springframework/context/annotation/Description.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
jar/org/springframework/format/datetime/joda/LocalDateParser.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
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  jar/org/springframework/format/Parser.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/format/Printer.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/cache/interceptor/SimpleKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/cache/support/CompositeCacheManager.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/format/datetime/standard/MonthDayFormatter.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java

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 * See the License for the specific language governing permissions and
* indicates that a component is only eligible for registration when all
* [linkplain #value specified conditions] match.

* <p>A <em>condition</em> is any state that can be determined programatically
* before the bean definition is due to be registered (see [link Condition] for details).

* <p>The [@code @Conditional] annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* [code @Component], including [link Configuration @Configuration] classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any [@link Bean @Bean] method</li>
* </ul>

* <p>If a [@code @Configuration] class is marked with [@code @Conditional],
* all of the [@code @Bean] methods, [@link Import @Import] annotations, and
* [@link ComponentScan @ComponentScan] annotations associated with that
* class will be subject to the conditions.

* <p><strong>NOTE</strong>: Inheritance of [@code @Conditional] annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* [@code @Conditional] itself is not declared as
* [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* [@code @Conditional] must not be declared as [@code @Inherited].

* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
jar/org/springframework/context/annotation/Conditional.java

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  jar/org/springframework/validation/MapBindingResult.java

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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/annotation/Condition.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/expression/BeanFactoryAccessor.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/annotation/ContextAnnotationAutowiredCandidateResolver.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/scripting/groovy/GroovyScriptFactory.java
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  jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
  jar/org/springframework/context/context/MessageSourceResolvable.java
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/**
 * {@link FactoryBean} that obtains a WebSphere
 * reference through WebSphere's proprietary API,
 * available on WebSphere 5.1 and higher.
 * <p>Exposes the for bean references.
 * <p>This is a direct alternative to ,
 * which uses standard JMX 1.2 API to access the platform's .
 * <p>See the javadocs for WebSphere's
 * and
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-"jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-"jar/org/springframework/context/annotation/PropertySources.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-"jar/org/springframework/validation/annotation/PropertySources.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-"jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-"jar/org/springframework/cache/interceptor/BasicOperation.java

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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/context/HierarchicalMessageSource.java
* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/ejb/config/JndiLookupBeanDefinitionParser.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/context/annotation/ConfigurationCondition.java
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* /opt/ws_local/PERMITS_SQL/1068290243_1594347848.93/0/spring-context-5-2-2-release-sources-1-jar/org/springframework/context/event/EventExpressionRootObject.java

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From: Andrea Claudi <aclaudi@redhat.com>
Date: Mon, 29 Apr 2019 20:09:13 +0200
Subject: [PATCH] ip{6, }tunnel: Avoid copying user-supplied interface name around

Bugzilla: https://bugzilla.redhat.com/show_bug.cgi?id=1465646
Upstream Status: iproute2.git commit 26111ab1dba82

commit 26111ab1dba82
Author: Phil Sutter <phil@nw1.cc>
Date: Mon Oct 2 13:46:35 2017 +0200

ip{6, }tunnel: Avoid copying user-supplied interface name around

In both files' parse_args() functions as well as in iptunnel's do_prl() and do_6rd() functions, a user-supplied 'dev' parameter is uselessly copied into a temporary buffer before passing it to ll_name_to_index() or copying into a struct ifreq. Avoid this by just caching the argv pointer value until the later lookup/strcpy.

Signed-off-by: Phil Sutter <phil@nw1.cc>

---
ip/ip6tunnel.c | 6 +++---
ip/iptunnel.c | 22 +++++++++-------------
2 files changed, 12 insertions(+), 16 deletions(-)
diff --git a/ip/ip6tunnel.c b/ip/ip6tunnel.c
index b4a7def144226..c12d700c74189 100644
--- a/ip/ip6tunnel.c
+++ b/ip/ip6tunnel.c
@@ -136,7 +136,7 @@ static void print_tunnel(struct ip6_tnl_parm2 *p)
static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
{
+	const char *medium = NULL;
++ @ @ -136,7 +136,7 @ @ static void print_tunnel(struct ip6_tnl_parm2 *p)
static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
{
    int count = 0;
    -char medium[IFNAMSIZ] = [];
    +const char *medium = NULL;

    while (argc > 0) {
        if (strncpy("argv", "mode") == 0) {
            @ @ -180,7 +180,7 @ @ static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
            memcpyl(&p->laddr, &laddr.data, sizeof(p->laddr));
        } else if (strncpy("argv", "dev") == 0) {


NEXT_ARG();
-strncpy(medium, argv, IFNAMSIZ - 1);
+medium = argv;
 } else if (strcmp("argv", "encaplimit") == 0) {
 NEXT_ARG();
 if (strcmp("argv", "none") == 0) {
 @@ -285,7 +285,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
 count++;
 argc--; argv++;
 }
-if (medium[0]) {
 +if (medium) {
 p->link = ll_name_to_index(medium);
 if (p->link == 0) {
 fprintf(stderr, "Cannot find device \"%s\"\n", medium);
 diff --git a/ip/iptunnel.c b/ip/iptunnel.c
 index 105d0f5576f1a..0acfd0793d3cd 100644
 --- a/ip/iptunnel.c
 +++ b/ip/iptunnel.c
 @@ -60,7 +60,7 @@ static void set_tunnel_proto(struct ip_tunnel_parm *p, int proto)
 static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
 {
 int count = 0;
 -char medium[IFNAMSIZ] = {};
 +const char *medium = NULL;
 int isatap = 0;
 memset(p, 0, sizeof(*p));
 @@ -139,7 +139,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
 } else if (strcmp("argv", "dev") == 0) {
 NEXT_ARG();
 -strcmp(medium, argv, IFNAMSIZ - 1);
 +strcmp(argv, "dev") == 0 ||
 strcmp(argv, "hoplimit") == 0 ||
 strcmp(argv, "hlim") == 0) {
 @@ -216,7 +216,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
 }
 }
 }

-if (medium[0]) {
 +if (medium) {
 p->link = ll_name_to_index(medium);
 if (p->link == 0) {
 fprintf(stderr, "Cannot find device \"%s\"\n", medium);
 @@ -465,9 +465,8 @@ static int do_prl(int argc, char **argv)
 {
struct ip_tunnel_prl p = {};
int count = 0;
-int devname = 0;
int cmd = 0;
-char medium[IFNAMSIZ] = {};
+const char *medium = NULL;
while (argc > 0) {
if (strcmp(*argv, "prl-default") == 0) {
@@ -488,8 +487,7 @@ static int do_prl(int argc, char **argv)
count++;
} else if (strcmp(*argv, "dev") == 0) {
NEXT_ARG();
-strncpy(medium, *argv, IFNAMSIZ-1);
-devname++;
+medium = *argv;
} else {
fprintf(stderr,
"Invalid PRL parameter \"%s\"\n", *argv);
@@ -502,7 +500,7 @@ static int do_prl(int argc, char **argv)
}
argc--; argv++;
}
-if (devname == 0) {
+if (!medium) {
fprintf(stderr, "Must specify device\n");
exit(-1);
}
@@ -513,9 +511,8 @@ static int do_prl(int argc, char **argv)
static int do_6rd(int argc, char **argv)
{
struct ip_tunnel_6rd ip6rd = {};
-int devname = 0;
int cmd = 0;
-char medium[IFNAMSIZ] = {};
+const char *medium = NULL;
inet_prefix prefix;
while (argc > 0) {
@@ -537,8 +534,7 @@ static int do_6rd(int argc, char **argv)
cmd = SIOCDEL6RD;
} else if (strcmp(*argv, "dev") == 0) {
NEXT_ARG();
-strncpy(medium, *argv, IFNAMSIZ-1);
-devname++;
+medium = *argv;
} else {
fprintf(stderr,

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"Invalid 6RD parameter \"%s\"\n", *argv);
@@ -546,7 +542,7 @@ static int do_6rd(int argc, char **argv)
}
argc--; argv++;
}
@if (devname == 0) {
+if (!medium) {
fprintf(stderr, "Must specify device\n");
exit(-1);
}
--
2.21.0

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DomainApiUploadHandler(ModelController modelController) {"'}

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io.undertow.security.handlers.SinglePortConfidentialityHandler; current = new SinglePortConfidentialityHandler(current, secureRedirectPort);"'}

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DomainApiGenericOperationHandler(ModelController modelController) {

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 */

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import java.io.IOException;
import java.io.InputStream;

/**
 * Marker interface for OutputStreams that can directly support
 * copying from an input stream. OutputStreams that maintain their
 * own byte buffer or similar may be able to optimize the copy
 * instead of using the read/write into a temporary buffer that
 * the normal IOUtils.copy method requires.
 */
public interface CopyingOutputStream {

    int copyFrom(InputStream in) throws IOException;
}

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Date: Sat, 08 Jul 2000 20:27:21 +0100  
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}

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public @interface EPL_1_0 {
}

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description = "MIT License")
public @interface MIT_1_0 {}
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@BundleLicense(name = "http://opensource.org/licenses/BSD-2-Clause", link = "http://en.wikipedia.org/wiki/BSD_licenses", description = "Simplified BSD or FreeBSD License")
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Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

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 */
@BundleLicense(name = "http://opensource.org/licenses/MPL-2.0", link = "http://www.mozilla.org/MPL/2.0/",
description = "Mozilla Public License 2.0")
public @interface MPL_2_0 {
    `U
VW&X&Y&Z
V[`
&\&]
`^
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********************************************************************************/

2
SourceFile
LGPL_2_1.java
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package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

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public @interface LGPL_2_1 {

}

2
SourceFile
BSD_2_Clause.java
RuntimeInvisibleAnnotations,LaQute/bnd/annotation/headers/BundleLicense;name+http://opensource.org/licenses/BSD-2-Clause,link)http://en.wikipedia.org/wiki/BSD_licenses_description!Simplified BSD or FreeBSD*aQute/bnd/annotation/licenses/BSD_2_Clausejava/lang/Objectjava/lang/annotation/Annotation&ss
package aQute.bnd.annotation.licenses;

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public @interface BSD_2_Clause {

}

2
SourceFile
MIT_1_0.java
RuntimeInvisibleAnnotations,LaQute/bnd/annotation/headers/BundleLicense;name"http://opensource.org/licenses/MIT",link(http://en.wikipedia.org/wiki/MIT_License_descriptionMIT*aQute/bnd/annotation/licenses/MIT_1_0java/lang/Objectjava/lang/annotation/Annotation&ss
package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

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@BundleLicense(name = "http://opensource.org/licenses/MIT", link = "http://en.wikipedia.org/wiki/MIT_License", description = "MIT License")
public @interface MIT_1_0 {
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Joseph Reagle <site-policy@w3.org>
import aQute.bnd.annotation.headers.*;

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 * License 2.0. Applying this annotation will add a Bundle-License clause.
 */

@BundleLicense(name = "http://opensource.org/licenses/GPL-2.0", link = "http://www.gnu.org/licenses/gpl-2.0.html", description = "The GNU General Public License version 2 (GPLv2")

public @interface GPL_2_0 {}
rWS does not support

clone() in Java (Object)

java/io/Serializable

java/lang/Cloneable

org/apache/maven/model/InputLocationTracker

java/lang/CloneNotSupportedException

package java/lang/Object;

protected java/lang/CloneNotSupportedException

package java/lang/Object;

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Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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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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(signature of Ty Coon), 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

```java
import java.lang.annotation.*;

/**
 * The Bundle-License header provides an optional machine readable form of
 * license information. The purpose of this header is to automate some of the
 * license processing required by many organizations like for example license
 * acceptance before a bundle is used. The header is structured to provide the
 * use of unique license naming to merge acceptance requests, as well as links
 * to human readable information about the included licenses. This header is
 * purely informational for management agents and must not be processed by the
 * OSGi Framework.
 *
 * The syntax for this header is as follows:
 *
 * <pre>
 * Bundle-License ::= &lt;&lt;EXTERNAL&gt;&gt; |
 * ( license ( , license ) * )
 * license ::= name ( ; license-attr ) *
 * license-attr ::= description | link
 * description ::= description = string
 * link ::= link = &lt;url&gt;
 * </pre>
 *
 * This header has the following attributes:
 *
 * name  Provides a globally unique name for this license, preferably world
 * wide, but it should at least be unique with respect to the other clauses. The
 * magic name &lt;&lt;EXTERNAL&gt;&gt; is used to indicate that this artifact does not
 * contain any license information but that licensing information is provided in
 * some other way. This is also the default contents of this header.
 * Clients of this bundle can assume that licenses with the same name refer
 * to the same license. This can for example be used to minimize the click
 */
```
* through licenses. This name should be the canonical URL of the license, it
* must not be localized by the translator. This URL does not have to exist but
* must not be used for later versions of the license. It is recommended to use
* URLs from &lt;a href="http://opensource.org/"&gt;Open Source Initiative&lt;/a&gt;. Other
* licenses should use the following structure, but this is not mandated:
*<p>
* &lt;pre&gt;
* http://&lt;domain-name&gt;/licenses/
*       &lt;license-name&gt;-&lt;version&gt;.&lt;extension&gt;
* &lt;/pre&gt;
* &lt;li&gt;description  (optional) Provide the description of the license. This is
* a short description that is usable in a list box on a UI to select more
* information about the license.
* &lt;li&gt;link  (optional) Provide a URL to a page that defines or explains the
* license. If this link is absent, the name field is used for this purpose. The
* URL is relative to the root of the bundle. That is, it is possible to refer
* to a file inside the bundle.
* &lt;/ul&gt;
* If the Bundle-License statement is absent, then this does not mean that the
* bundle is not licensed. Licensing could be handled outside the bundle and the
* [@code &lt;EXTERNAL&gt;] form should be assumed. This header is informational and
* may not have any legal bearing. Consult a lawyer before using this header to
* automate licensing processing.
* &lt;p&gt;
* A number of licenses have been predefined, [@link ASL_2_0],
* [@link BSD_2_Clause], [@link BSD_3_Clause], [@link CDDL_1_0], [@link EPL_1_0], [@link GPL_2_0],
* [@link GPL_3_0], [@link LGPL_2_1], [@link MIT_1_0],
* [@link MPL_2_0].
* /
* @Retention(RetentionPolicy.CLASS)
* @Target({
        ElementType.ANNOTATION_TYPE, ElementType.TYPE
    })
* public @interface BundleLicense {
*    /**
*     * The name of the license, should refer to &lt;a
*     * href="http://opensource.org/"&gt;Open Source Initiative&lt;/a&gt;
*     */
*     String name();
*     /**
*      * A short description of the license
*     */
*     String description() default "";
*     /**
*     * A URI to the license text. This maybe relative, in that case it is from
*     * the corresponding bundle.
*     */
String link() default "";

package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

/**
 * An annotation to indicate that the type depends on the Common Development and
 * Distribution license. Applying this annotation will add a Bundle-License
 * clause.
 */

@BundleLicense(name = "http://opensource.org/licenses/CDDL-1.0", link =
Development and Distribution License 1.0")
public @interface CDDL_1_0 {}

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JUnit

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1.2236 musl 1.1.19-r11

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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
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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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(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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1.2244 guava 20.0

1.2245 gojsonpointer v0.15.0

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The End

1.2252 lang-mustache-client 6.8.3

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1.2254 httpcomponents-core 4.4.13

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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.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

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* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.2262 mtdev 1.1.5-5.el7

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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,-Bs symbolic

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

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1.2268 wildfly-naming 14.0.1.Final

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1.2269 opensaml-security-impl 3.3.0

1.2270 taglibs-standard-spec 1.2.6-RC1

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1.2271 jetty 8.1.7.v20120910

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/**
 * By default, we're confidential, given we speak SSL. But, if we've been told about an
 * confidential port, and said port is not our port, then we're not. This allows separation of
 * listeners providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener
 * configured to require client certs providing CONFIDENTIAL, whereas another SSL listener not
* requiring client certs providing mere INTEGRAL constraints.
*/
/**
* By default, we're integral, given we speak SSL. But, if we've been told about an integral
* port, and said port is not our port, then we're not. This allows separation of listeners
* providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener configured to
* require client certs providing CONFIDENTIAL, whereas another SSL listener not requiring
* client certs providing mere INTEGRAL constraints.
*/

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* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-
jar/org/eclipse/jetty/server/ssl/SslSocketConnector.java
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Connector: HTTP Connector.
server: MObject:RO:The server for this connector
requestHeaderSize: The size of a request header buffer
requestBufferSize: The size of a request content buffer
responseHeaderSize: The size of a response header buffer
responseBufferSize: The size of a response content buffer
integralPort: Port to use for integral redirections
integralScheme: Scheme to use for integral redirections
confidentialPort: Port to use for confidential redirections
confidentialScheme: Scheme to use for confidential redirections
host: Host name to accept connections on
port: TCP/IP port to accept connections on
maxIdleTime: Maximum time in ms that a connection can be idle before being closed
statsOn: True if statistics collection is turned on.
statsOnMs: Time in milliseconds stats have been collected for.
statsReset(): Reset statistics.
connections: Number of connections accepted by the server since statsReset() called. Undefined if setStatsOn(false).
connectionsOpen: Number of connections currently open that were opened since statsReset() called. Undefined if setStatsOn(false).
connectionsOpenMax: Maximum number of connections opened simultaneously since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMean: Mean duration in milliseconds of open connections since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationStdDev: Standard deviation of duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationMax: Maximum duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsDurationTotal: Total duration in milliseconds of all open connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMean: Mean number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsStdDev: Standard deviation of number of requests per connection since statsReset() called. Undefined if setStatsOn(false).
connectionsRequestsMax: Maximum number of requests per connection since statsReset() called. Undefined if setStatsOn(false).

requests: Number of requests since statsReset() called. Undefined if setStatsOn(false).

open(): Open the listening port

close(): Close the listening port (but allow existing connections to continue for graceful shutdown)

---

Found in path(s):

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/jmx/Connector-mbean.properties

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* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/handler/HandlerCollection.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/util/StringMap.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/util/log/Logger.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/handler/ScopedHandler.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/SessionIdManager.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/handler/jmx/AbstractHandlerMBean.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/handler/ByteArrayEndPoint.java

* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/Server.java
jar/org/eclipse/jetty/server/Dispatcher.java
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/io/UncheckedPrintWriter.java
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/websocket/WebSocketGeneratorRFC6455.java
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/http/HttpException.java
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/util/log/AbstractLogger.java
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/util/RolloverFileOutputStream.java
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/websocket/WebSocketClientFactory.java

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/**
 * @param c Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL &
 *            2=DC_CONFIDENTIAL
 */
/**
 * @return Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL &
 *            2=DC_CONFIDENTIAL
 */

Found in path(s):
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/util/security/Constraint.java

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/**
 * Find out if the request supports CONFIDENTIAL security.
 * @param request the incoming HTTP request
 * @return the result of calling { @link Connector#isConfidential(Request) }, or false
 * if there is no connector
 */
AbstractConnector: Abstract implementation of the Connector interface.
acceptors: The number of acceptor threads.
acceptQueueSize: The size of the accept queue.
acceptorPriorityOffset: Priority offset of the acceptor threads. The priority is adjusted by this amount to either favor the acceptance of new threads and newly active connections or to favor the handling of already dispatched connections.
forwardedForHeader: The header name for forwarded for (default x-forwarded-for).
forwardedHostHeader: The header name for forwarded hosts (default x-forwarded-host)
forwardedServerHeader: The header name for forwarded server (default x-forwarded-server)
forwarded: Whether reverse proxy handling is on. True if this connector is checking the forwarded for/host/server headers.
host: Host name of the server.
hostHeader: Forced value for the host header. Only used if forwarded is true.
soLingerTime: Enable or disable SO_LINGER with the specified linger time in seconds.
reuseAddress: Whether the server socket will be opened in SO_REUSEADDR mode.
name: Name of the connector.
resolveNames: Whether or not to use DNS when handling forwards.
confidentialPort: Port to use for confidential redirections.
confidentialScheme: Scheme to use for confidential redirections.
integralPort: Port to use for integral redirections.
integralScheme: Scheme to use for integral redirections.
lowResourcesMaxIdleTime: The period in ms that a connection may be idle when the connector has low resources, before it is closed.

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/**
 * @return The port to use when redirecting a request if a data constraint of confidential is
 * required. See {@link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
 */
/**
 * @return The schema to use when redirecting a request if a data constraint of confidential is
 * required. See {@link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
 */
/**
 * @param request A request
 * @return true if the request is confidential. This normally means the https schema has been used.
 */

Found in path(s):
* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-jar/org/eclipse/jetty/server/Connector.java
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/**
 * @(#)UnixCrypt.java	0.9 96/11/25
 *
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/**
 * By default, we're confidential, given we speak SSL. But, if we've been
 * told about an confidential port, and said port is not our port, then
 * we're not. This allows separation of listeners providing INTEGRAL versus
 * CONFIDENTIAL constraints, such as one SSL listener configured to require
 * client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */

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/*
 * @see org.eclipse.jetty.server.Connector#getConfidentialPort()
 */

/*
 * @see org.eclipse.jetty.server.Connector#getConfidentialScheme()
 */

/*
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */

/*
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */

/**
 * @param confidentialPort
 *            The confidentialPort to set.
 */

/**
 * @param confidentialScheme
 *            The confidentialScheme to set.
 */

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* /opt/cola/permits/1001042990_1607107054.43/0/jetty-server-8-1-7-v20120910-sources-2-
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/**
 * Utf8 Appendable abstract base class
 *
 * This abstract class wraps a standard { @link java.lang.Appendable } and provides methods to append UTF-8
 encoded bytes, that are converted into characters.
 *
 * This class is stateful and up to 4 calls to { @link #append(byte) } may be needed before state a character is
 appended to the string buffer.
 *
 * The UTF-8 decoding is done by this class and no additional buffers or Readers are used. The UTF-8 code was
 inspired by
 * http://bjoern.hoehrmann.de/utf-8/decoder/dfa/
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1.2272 openssl 1.0.2t

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* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/compression/Crc32c.java
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* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
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 * Enumeration of supported Base64 dialects.
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* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
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* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java

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  jar/io/netty/handler/codec/DefaultHeaders.java
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* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1110674843_1606843036.76/0/netty-codec-4-1-24-final-sources-1-jar/io/netty/handler/codec/compression/LzfEncoder.java
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A decoder that splits the received \{@link ByteBuf\}s dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.

A decoder that splits the received \{@link ByteBuf\}s dynamically by the value of the length field in the message. It is particularly useful when you decode a binary message which has an integer header field that represents the length of the message body or the whole message.

The value of the length field in this example is 12 (0x0C) which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

Because we can get the length of the content by calling \{@link ByteBuf\#readableBytes\}, you might want to strip the length field by specifying \langle tt\rangle initialBytesToStrip\langle/\tt\rangle. In this example, we specified \langle tt\rangle 2 \langle/\tt\rangle, that is same with the length of the length field, to
* strip the first two bytes.
* `<pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* `<b>initialBytesToStrip</b> = `<b>2</b>` (= the length of the Length field)
* `</pre>`
* `BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)`
* `| Length | Actual Content |----->| Actual Content |
* | `0x000C` | "HELLO, WORLD" |      | "HELLO, WORLD" |
* `+----------------+      +----------------+
* `<</pre>`
* `<h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>`
* `In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* `<tt>lengthAdjustment</tt>`. Because the length value in this example message
* is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
* as `<tt>lengthAdjustment</tt>` for compensation.
* `<pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* `<b>lengthAdjustment</b> = `<b>-2</b>` (= the length of the Length field)
* initialBytesToStrip = 0
* `</pre>`
* `BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)`
* `| Length | Actual Content |----->| Actual Content |
* | `0x000E` | "HELLO, WORLD" |      | "HELLO, WORLD" |
* `+----------------+      +----------------+
* `<</pre>`
* `<h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>`
* `The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* `<pre>`
* `<b>lengthFieldOffset</b> = `<b>2</b>` (= the length of Header 1)
* `<b>lengthFieldLength</b> = `<b>3</b>`
* `lengthAdjustment = 0
* initialBytesToStrip = 0
* `</pre>`
This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

```
lengthFieldOffset = 0
lengthFieldLength = 3
<b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
initialBytesToStrip = 0
```

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

```
lengthFieldOffset = 1 (= the length of HDR1)
lengthFieldLength = 2
<b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
<b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
```

This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.
2 bytes length field at offset 1 in the middle of 4 bytes header,
strip the first header field and the length field, the length field
represents the length of the whole message

Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into lengthAdjustment.
Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.

lengthFieldOffset = 1
lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
+-------------------|-------------------+
| HDR1 | Length | HDR2 | Actual Content | HDR2 | Actual Content |
| 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | 0xFE | "HELLO, WORLD" |
+-------------------|-------------------+

@see LengthFieldPrepender

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* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/annotation/AnnotationMemberValue.java

Found in path(s):
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/runtime/Desc.java
* /opt/cola/permits/1110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/expr/Cast.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/compiler/ast/DoubleConst.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/bytecode/LineNumberAttribute.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPath.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/CtBehavior.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/Modifier.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
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* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
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* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
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* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
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* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
* /opt/cola/permits/110677168_1606844040.23/0/javassist-3-23-1-ga-sources-1-jar/javassist/ScopedClassPool.java
1.2296 netty 4.0.33.Final
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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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Appendix: 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.

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<one line to give the program's name and a brief idea of what it does.>  
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Version 2.1, February 1999

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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.

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.

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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modification of the work for the customer's own use and reverse
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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.

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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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1.2298 wagon-ssh 1.0-beta-2

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1.2300 javax-inject 2.4.0-b34

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1.2301 swagger-annotations 1.5.20

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 */

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */
```
@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

1.2302 jackson-databind 2.9.9.2
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# Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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### 1.2303 python 3.7.6-1.el7.0atomix1

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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.

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
  * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
  *
  * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
  * http://www.hypermall.com/
  * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
  * interrupts us (except possibly for removal/insertion of the cable?)
  * 10/4/97 - began heavy inline documentation of the code. Corrected typos
  * and spelling mistakes.
  * 10/5/97 - added code to handle PHY interrupts, disable PHY on
  * loss of link, and correctly re-enable PHY when link is
  * re-established. (put back CFG_PHYIE)
  *
  * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
  *
  * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
  *
  * Linux driver for the IDT77201 NICStAR PCI ATM controller.
  * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
  * see init_nicstar() for PHY initialization to change this. This driver
  * expects the Linux ATM stack to support scatter-gather lists
  * (skb->atm.iovcnt != 0) for Rx skb’s passed to vcc->push.
  *
  * Implementing minimal-copy of received data:
  * IDT always receives data into a small buffer, then large buffers
  * as needed. This means that data must always be copied to create
  * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
  * Fix is simple: make large buffers large enough to hold entire
  * SDU, and leave <small_buffer_data> bytes empty at the start. Then
  * copy small buffer contents to head of large buffer.
  * Trick is to avoid fragmenting Linux, due to need for a lot of large
  * buffers. This is done by 2 things:
  * 1) skb->destructor / skb->atm.recycle_buffer
  * combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
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*
* M. Welsh, 6 July 1996
*
* /

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
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for the or51211 and or51132 frontend drivers, and for merging the nxt2002 and nxt2004 modules into a single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)

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Contributors to btv:

Michael Chu <mmchu@pobox.com>
   AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
   Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
   Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
   Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
   ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

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Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/XHTMLText.java
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/workgroup/user/QueueListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/workgroup/ext/history/AgentChatHistory.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/workgroup/settings/WorkgroupProperties.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/workgroup/ext/history/ChatMetadata.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/packet/OfferRevokeProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/agent/AgentSession.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/packet/RoomInvitation.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/agent/OfferConfirmation.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/agent/UserID.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/agent/AgentRosterListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bookmark/BookmarkManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bookmark/BookmarkManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bookmark/BookmarkedConference.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bookmark/BookmarkedURL.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/agent/OfferConfirmationListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/agent/WorkgroupInvitationListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/packet/TranscriptProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/settings/GenericSettings.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/agent/Offer.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/settings/Settings.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/WorkgroupForm.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/setext/forms/WorkgroupForm.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/packet/DepartQueuePacket.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/WorkgroupInvitation.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/workgroup/settings/ChatSettings.java
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/commands/AdHocCommandManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/packet/AdHocCommandData.java
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  jar/org/jivesoftware/smackx/OfflineMessageHeader.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/DefaultUserStatusListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/Affiliate.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/MessageEventProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/MUCOwnerProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/SubjectUpdatedListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/Occupant.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/XHTMLExtension.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/DiscoverItems.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/MUCInitialPresence.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/MUCAdmin.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/MUCAdmin.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/RemoteRosterEntry.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/MessageEvent.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
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  jar/org/jivesoftware/smackx/packet/AttentionExtension.java

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  jar/org/jivesoftware/smackx/commands/RemoteCommand.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/commands/AdHocCommandNote.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/commands/LocalCommand.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/commands/AdHocCommand.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
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  jar/org/jivesoftware/smackx/muc/MultiUserChat.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/packet/VCard.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/XHTMLManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/muc/HostedRoom.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
  jar/org/jivesoftware/smackx/PrivateDataManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/MessageEventManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/OfflineMessageManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/muc/InvitationListener.java
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/ChatStateListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/packet/LastActivity.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/packet/ChatStateExtension.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/ChatState.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-
jar/org/jivesoftware/smackx/ChatStateManager.java
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- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/IncomingFileTransfer.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/MultipleRecipientInfo.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/FileTransferRequest.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/FaultTolerantNegotiator.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/OutgoingFileTransfer.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/FileTransferManager.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/IBBTransferNegotiator.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/StreamNegotiator.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/packet/StreamInitiation.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/FileTransferListener.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/proxy/StreamInitiationProvider.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/provider/MultipleAddressesProvider.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/FileTransferNegotiator.java
- /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/filetransfer/StreamNegotiator.java
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/BytestreamManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/provider/FormNodeProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/ibb/InitiationListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/util/NodeUtils.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/SubscribeForm.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/listener/ItemEventListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/EmbededPacketExtension.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/AffiliationsExtension.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/AccessModel.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/SubscriptionsExtension.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/ibb/packet/Close.java
* /opt/col/a/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/packet/PubSubNamespace.java
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* /opt/col/a/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/socks5/Socks5BytestreamRequest.java
* /opt/col/a/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/SubscriptionEvent.java
* /opt/col/a/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/OptionsExtension.java
* /opt/col/a/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/socks5/Socks5Client.java
* /opt/col/a/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/listener/NodeConfigListe...
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/PresenceState.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/util/XmlUtils.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/packet/SyncPacketSend.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/ConfigureNodeFields.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/PublishModel.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/RetractItem.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/ItemReply.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/provider/PubSubProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/BytestreamListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/socks5/InitiationListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/socks5/packet/Bytestream.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/PubSubManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/SubscribeExtension.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/ibb/InBandBytestreamRequest.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/ibb/InBandBytestreamManager.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/ibb/CloseListener.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/socks5/provider/BytestreamsProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/socks5/Socks5Proxy.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/pubsub/provider/ItemsProvider.java
* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/bytestreams/ibb/packet/Data.java
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* /opt/cola/permits/1001477266_1607125518.12/0/smackx-3-2-1-sources-jar/org/jivesoftware/smackx/debugger/EnhancedDebugger.java

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Eclipse

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

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

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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

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

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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1.2338 python-pika 1.1.0

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/**
* Servlet specific extension to [SinglePortConfidentialityHandler]
*
* @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
*/
/**
* Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
* Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual
SSLSession.
*
* @param exchange - The [HttpServerExchange] for the request being processed.
* @return true if the request is 'sufficiently' confidential, false otherwise.
*/

private static final String noConfidentialPortAvailable = "UT010053: No confidential port is available to redirect the
current request.";

protected String noConfidentialPortAvailable$str() {
    return noConfidentialPortAvailable;
}

public final IllegalStateException noConfidentialPortAvailable() {
    final IllegalStateException result = new IllegalStateException(String.format(getLoggingLocale(),
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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
SHAREDLIBCXFFLAGS = -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 $@"
[ -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_PREFI볼_WHEN_USED =
STATIC_PREFI볼 =

## End BSD-specific setup

1.2342 perks 1.0.0

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**1.2343 armon-go-metrics 0.3.0**

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**1.2344 vino 3.22.0 7.el7**

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1.2345 c3p0 0.9.1.1

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jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java

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  * /opt/cola/permits/1110675844_1606843768.89/0/spring-aop-4-0-2-release-sources-1-
    jar/org/springframework/aop/framework/ObjenesisCglibAopProxy.java

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1.2351 python-iniparse 0.4-9.el7

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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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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
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org.eclipse.jetty.toolchain:jetty-schemas

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  jar/org/codehaus/plexus/archiver/UnixStat.java
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  jar/org/codehaus/plexus/archiver/zip/ZipExtraField.java

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  jar/org/codehaus/plexus/archiver/tar/TarBuffer.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-
  jar/org/codehaus/plexus/archiver/tar/TarUtils.java
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  jar/org/codehaus/plexus/archiver/tar/TarConstants.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-
  jar/org/codehaus/plexus/archiver/tar/TarOutputStream.java
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* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/AsiExtraField.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/ZipShort.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/bzip2/CRC.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/UnrecognizedExtraField.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/ExtraFieldUtils.java
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*/
jar/org/codehaus/plexus/archiver/tar/TarBZip2UnArchiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/ZipUnArchiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/UnArchiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/ZipArchiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/bzip2/BZip2Compressor.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/tar/TarGZipUnArchiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/gzip/GZipCompressor.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/bzip2/BZip2Archiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/util/EnumeratedAttribute.java
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* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/tar/TarLongFileMode.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/war/WarArchiver.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/tar/TarInputStream.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/tar/TarCompressionMethod.java
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* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/bzip2/CBZip2OutputStream.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/ZipEntry.java
* /opt/cola/permits/1001477393_1606843053.27/0/plexus-archiver-1-0-alpha-7-sources-1-jar/org/codehaus/plexus/archiver/zip/ZipOutputStream.java
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1.2365 jline-style 3.10.0

1.2366 gnu-crypto 2.0.1

1.2366.1 Available under license :

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1.2367 jersey-guava 2.22.2

1.2368 avalon-framework-api 4.3.1

1.2369 wildfly-elytron-auth-server-deprecated

1.11.2.Final

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* /opt/ws_local/PERMITS_SQL/1091709820_1600571433.23/0/wildfly-elytron-auth-server-deprecated-1-11-2-
final-sources-jar/org/wildfly/security/auth/server/HttpAuthenticationFactory.java
* /opt/ws_local/PERMITS_SQL/1091709820_1600571433.23/0/wildfly-elytron-auth-server-deprecated-1-11-2-
final-sources-jar/org/wildfly/security/auth/server/SaslAuthenticationFactory.java
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1.2370 joda-time 2.10.5
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1.2371 hibernate-validator 6.0.18.Final

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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/util/TypeHelper.java
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
   jar/org/hibernate/validation/internal/metadata/provider/AnnotationMetaDataProvider.java
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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> JSR 223 can
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * [<code>@link javax.validation.ParameterNameProvider</code>]. By default, [<code>@code arg0</code>], [<code>@code arg1</code>] etc.
 * will be used as parameter names.
 * </p>
 * <p>
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 * </p>
* <pre>
* { @code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
*
* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-2.0.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/overview.html
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.0.xsd
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* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/ShortArrayValueExtractor.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/OptionalLongValueExtractor.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/xml/mapping/ContainerElementTypeConfigurationBuilder.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/aggregated/rule/ReturnValueMayOnlyBeMarkedOnceAsCascadedPerHierarchyLine.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/constraintvalidation/ComposingConstraintTree.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/defs/URLDef.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeValidatorForMonetaryAmount.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/defs/AssertFalseDef.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/pl/REGON.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/spi/scripting/ScriptEvaluator.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/defs/AssertFalseDef.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeValidatorForMonetaryAmount.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate-validator/internal/engine/messageinterpolation/ParameterTermResolver.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate-validator/internal/constraintvalidators/bv/time/future/FutureValidatorForOffsetDateTime.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate-validator/internal/constraintvalidators/bv/time/future/FutureValidatorForYear.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate-validator/internal/engine/messageinterpolation/LocalizedMessage.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate-validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForNumber.java
* /opt/cola/permits/110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5.jar/org/hibernate-validator/internal/constraintvalidators/bv/MinValidatorForCharSequence.java
jar/org/hibernate/validator/constraintvalidation/HibernateConstraintValidatorInitializationContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForBigInteger.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/group/GroupSequenceProvider.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/AbstractPastOrPresentInstantBasedVa
lidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/validator/hv/EANValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/location/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/AbstractPastOrPresentInstantBasedVa
lidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetDate
Time.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/validator/hv/ModCheckValidator.java
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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## -*-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) $@
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1.2378 jackson-coreutils 1.0

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

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The actual classes of The Simple API for CSS (SAC) came from:
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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For an executable, the required form of the "work that uses the
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a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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  * @author:     zhang
  * @version:    $Revision$
  * @created:    Apr 24, 2009
  *
  * Description: A class to decode PEM files
  *
  ******************************************************************************/

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  * /opt/cola/permits/1110675320_1606843911.45/0/jgroups-kubernetes-1-0-6-final-sources-1-jar/org/jgroups/protocols/kubernetes/pem/PEMReader.java

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* @author:     zhang
* @version:    $Revision$
* @created:    Apr 24, 2009
* 
* Description: A KeySpec for PKCS#1 encoded RSA private key
* 
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* /opt/cola/permits/1110675320_1606843911.45/0/jgroups-kubernetes-1-0-6-final-sources-1-
  jar/org/jgroups/protocols/kubernetes/pem/PKCS1EncodedKeySpec.java
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1.2402 kafka-tools 2.4.1

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Zstd-jni: JNI bindings to Zstd Library

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1.2403 grizzly-portunif 1.9.8

1.2404 jline-terminal-jna 3.5.2
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1.2405 wildfly-clustering-singleton-extension
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1.2406 diffutils 3.3 5.el7
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From RPM File Metadata:GPLv3+
/* diff - compare files line by line

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GNU General Public License for more details.

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along with this program. If not, see <http://www.gnu.org/licenses/>. */
/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS \
proper_name ("Paul Eggert"), \
proper_name ("Mike Haertel"), \
proper_name ("David Hayes"), \
proper_name ("Richard Stallman"), \
proper_name ("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list 
{
    char *regexps; /* chars representing disjunction of the regexps */
    size_t len;   /* chars used in 'regexps' */
    size_t size;  /* size malloc'ed for 'regexps'; 0 if not malloc'ed */
    bool multiple_regexps; /* Does 'regexps' represent a disjunction? */
    struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories */
recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexps. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). */
On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s). */
Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abCc:deEfF:hiIl:nNpPqrsStTuU:vwW:x:X:yZ";

/* Values for long options that do not have single-letter equivalents. */
enum
{
  BINARY_OPTION = CHAR_MAX + 1,
  FROM_FILE_OPTION,
  HELP_OPTION,
  HORIZON_LINES_OPTION,
  IGNORE_FILE_NAME_CASE_OPTION,
  INHIBIT_HUNK_MERGE_OPTION,
  LEFT_COLUMN_OPTION,
  LINE_FORMAT_OPTION,
  NO_DEREFERENCE_OPTION,
  NO_IGNORE_FILE_NAME_CASE_OPTION,
  NORMAL_OPTION,
  SDIFF_MERGE_ASSIST_OPTION,
  STRIP_TRAILING_CR_OPTION,
  SUPPRESS_BLANK_EMPTY_OPTION,
SUPPRESS_COMMON_LINES_OPTION,
TABSIZE_OPTION,
TO_FILE_OPTION,

/* These options must be in sequence. */
UNCHANGED_LINE_FORMAT_OPTION,
OLD_LINE_FORMAT_OPTION,
NEW_LINE_FORMAT_OPTION,

UNCHANGED_GROUP_FORMAT_OPTION,
OLD_GROUP_FORMAT_OPTION,
NEW_GROUP_FORMAT_OPTION,
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
    "--unchanged-group-format",
    "--old-group-format",
    "--new-group-format",
    "--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
    "--unchanged-line-format",
    "--old-line-format",
    "--new-line-format"
};

static struct option const longopts[] =
{
    {"binary", 0, 0, BINARY_OPTION},
    {"brief", 0, 0, 'q'},
    {"changed-group-format", 1, 0, CHANGED_GROUP_FORMAT_OPTION},
    {"context", 2, 0, 'C'},
    {"ed", 0, 0, 'e'},
    {"exclude", 1, 0, 'x'},
    {"exclude-from", 1, 0, 'X'},
    {"expand-tabs", 0, 0, 't'},
    {"forward-ed", 0, 0, 'f'},
    {"from-file", 1, 0, FROM_FILE_OPTION},
    {"help", 0, 0, HELP_OPTION},
    {"horizon-lines", 1, 0, HORIZON_LINES_OPTION},
    {"ifdef", 1, 0, 'D'},
    {"ignore-all-space", 0, 0, 'w'},
    {"ignore-blank-lines", 0, 0, 'B'},
{"ignore-case", 0, 0, 'i'},
{"ignore-file-name-case", 0, 0, IGNORE_FILE_NAME_CASE_OPTION},
{"ignore-matching-lines", 1, 0, 't'},
{"ignore-space-change", 0, 0, 'b'},
{"ignore-tab-expansion", 0, 0, 'E'},
{"ignore-trailing-space", 0, 0, 'Z'},
{"inhibit-hunk-merge", 0, 0, INHIBIT_HUNK_MERGE_OPTION},
{"initial-tab", 0, 0, 't'},
{"label", 1, 0, 'L'},
{"left-column", 0, 0, LEFT_COLUMN_OPTION},
{"line-format", 1, 0, LINE_FORMAT_OPTION},
{"minimal", 0, 0, 'd'},
{"new-file", 0, 0, 'N'},
{"new-group-format", 1, 0, NEW_GROUP_FORMAT_OPTION},
{"new-line-format", 1, 0, NEW_LINE_FORMAT_OPTION},
{"no-dereference", 0, 0, NO_DEREFERENCE_OPTION},
{"no-ignore-file-name-case", 0, 0, NO_IGNORE_FILE_NAME_CASE_OPTION},
{"normal", 0, 0, NORMAL_OPTION},
{"old-group-format", 1, 0, OLD_GROUP_FORMAT_OPTION},
{"old-line-format", 1, 0, OLD_LINE_FORMAT_OPTION},
{"paginate", 0, 0, 't'},
{"rcs", 0, 0, 'n'},
{"recursive", 0, 0, 'r'},
{"report-identical-files", 0, 0, 's'},
{"sdiff-merge-assist", 0, 0, SDIFF_MERGE_ASSIST_OPTION},
{"show-c-function", 0, 0, 'p'},
{"show-function-line", 1, 0, 'F'},
{"side-by-side", 0, 0, 'y'},
{"speed-large-files", 0, 0, 'H'},
{"starting-file", 1, 0, 'S'},
{"strip-trailing-cr", 0, 0, STRIP_TRAILING_CR_OPTION},
{"suppress-blank-empty", 0, 0, SUPPRESS_BLANK_EMPTY_OPTION},
{"suppress-common-lines", 0, 0, SUPPRESS_COMMON_LINES_OPTION},
{"tabsize", 1, 0, TABSIZE_OPTION},
{"text", 0, 0, 'a'},
{"to-file", 1, 0, TO_FILE_OPTION},
{"unchanged-group-format", 1, 0, UNCHANGED_GROUP_FORMAT_OPTION},
{"unchanged-line-format", 1, 0, UNCHANGED_LINE_FORMAT_OPTION},
{"unidirectional-new-file", 0, 0, 'P'},
{"unified", 2, 0, 'U'},
{"version", 0, 0, 'v'},
{"width", 1, 0, 'W'},
{0, 0, 0, 0}
};

/* Return a string containing the command options with which diff was invoked.
Spaces appear between what were separate ARGV-elements.
There is a space at the beginning but none at the end. */
If there were no options, the result is an empty string.

Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT, the length of that vector. */

static char *
option_list (char **optionvec, int count)
{
  int i;
  size_t size = 1;
  char *result;
  char *p;

  for (i = 0; i < count; i++)
    size += 1 + shell_quote_length (optionvec[i]);

  p = result = xmalloc (size);

  for (i = 0; i < count; i++)
    {
      *p++ = ' ';  
      p = shell_quote_copy (p, optionvec[i]);  
      }

  *p = '0';
  return result;
}

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
{
  return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
}

int
main (int argc, char **argv)
{
  int exit_status = EXIT_SUCCESS;
  int c;
  int i;
  int prev = -1;
  lno context = -1;
  bool explicit_context = false;
  size_t width = 0;
  bool show_c_function = false;
char const *from_file = NULL;
char const *to_file = NULL;
uintmax_t numval;
char *numend;

/* Do our initializations. */
exit_failure = EXIT_TROUBLE;
initialize_main (&argc, &argv);
set_program_name (argv[0]);
setlocale (LC_ALL, "");
bindtextdomain (PACKAGE, LOCALEDIR);
textdomain (PACKAGE);
c_stack_action (0);
function_regexp_list.buf = &function_regexp;
ignore_regexp_list.buf = &ignore_regexp;
re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
excluded = new_exclude ();

/* Decode the options. */

while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
{
    switch (c)
    {
    case 0:
        break;
    case '0':
    case '1':
    case '2':
    case '3':
    case '4':
    case '5':
    case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
        else if (LIN_MAX / 10 < ocontext
            || ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;
    case 'a':
        text = true;
        break;
case 'b':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space = IGNORE_SPACE_CHANGE;
    break;

case 'Z':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TRAILING_SPACE;
    break;

case 'B':
    ignore_blank_lines = true;
    break;

case 'C':
    case 'U':
    {
        if (optarg)
            {
                numval = strtoumax (optarg, &numend, 10);
                if (*numend)
                    try_help ("invalid context length ""%s", optarg);
                if (LIN_MAX < numval)
                    numval = LIN_MAX;
            }
        else
            numval = 3;
    }
    specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
    if (context < numval)
        context = numval;
    explicit_context = true;
    break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;

case 'D':
    specify_style (OUTPUT_IFDEF);
    {
        numval = 3;
        if (optarg)
            {
                numval = strtoumax (optarg, &numend, 10);
                if (*numend)
                    try_help ("invalid context length ""%s", optarg);
                if (LIN_MAX < numval)
                    numval = LIN_MAX;
            }
        else
            numval = 3;
    }
    specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
    if (context < numval)
        context = numval;
    explicit_context = true;
    break;
static char const C_ifdef_group_formats[] =
  "%%=%c#ifndef %s
  %%<#endif /* ! %s */
  %c#ifdef %s
  %%>#endif /* %s */
  %c#ifndef %s
  %%<#else /* %s */
  %%>#endif /* %s */
";
char *b = xmalloc (sizeof C_ifdef_group_formats
  + 7 * strlen (optarg) - 14 /* 7*"%s" */
  - 8 /* 5*"%%" + 3*"%c" */);
sprintf (b, C_ifdef_group_formats,
  optarg, optarg, optarg, optarg,
  optarg, optarg, optarg);
for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
  {
    specify_value (&group_format[i], b, "-D");
    b += strlen (b) + 1;
  }
break;

case 'e':
  specify_style (OUTPUT_ED);
  break;

case 'E':
  if (ignore_white_space < IGNORE_SPACE_CHANGE)
    ignore_white_space |= IGNORE_TAB_EXPANSION;
  break;

case 'f':
  specify_style (OUTPUT_FORWARD_ED);
  break;

case 'F':
  add_regexp (&function_regexp_list, optarg);
  break;

case 'h':
  /* Split the files into chunks for faster processing.
     Usually does not change the result.

     This currently has no effect. */
  break;

case 'H':
  speed_large_files = true;
  break;

case 'i':
ignore_case = true;
break;

case 'I':
    add_regexp (&ignore_regexp_list, optarg);
    break;

case 'I':
    if (!pr_program[0])
        try_help ("pagination not supported on this host", NULL);
    paginate = true;
#ifdef SIGCHLD
    /* Pagination requires forking and waiting, and
       System V fork+wait does not work if SIGCHLD is ignored. */
    signal (SIGCHLD, SIG_DFL);
#endif
    break;

case 'L':
    if (!file_label[0])
        file_label[0] = optarg;
    else if (!file_label[1])
        file_label[1] = optarg;
    else
        fatal ("too many file label options");
    break;

case 'n':
    specify_style (OUTPUT_RCS);
    break;

case 'N':
    new_file = true;
    break;

case 'p':
    show_c_function = true;
    add_regexp (&function_regexp_list, "^[[:alpha:]]$_"]);
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
    break;
case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value (&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
                 AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
    ignore_white_space = IGNORE_ALL_SPACE;
    break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
                         exclude_options (), 'n'))
        pfatal_with_name (optarg);
    break;

case 'y':
    specify_style (OUTPUT_SDIFF);
break;

case 'W':
    numval = strtoumax(optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help("invalid width '%s'", optarg);
    if (width != numval)
    {
        if (width)
            fatal("conflicting width options");
        width = numval;
    }
    break;

case BINARY_OPTION:
    #if O_BINARY
    binary = true;
    if (! isatty(STDOUT_FILENO))
        set_binary_mode(STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value(&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage();
    check_stdout();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax(optarg, &numend, 10);
    if (*numend)
        try_help("invalid horizon length '%s'", optarg);
    horizon_lines = MAX(horizon_lines, MIN(numval, LIN_MAX));
    break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
       compatibility. */
    break;

case LEFT_COLUMN_OPTION:
left_column = true;
break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;

case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = strtol (optarg, &numend, 10);
    if (!(0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize ", optarg);
    if (tabsize != numval)
    {
        if (tabsize)
            fatal ("conflicting tabsize options");
        tabsize = numval;
    }
break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
    case OLD_LINE_FORMAT_OPTION:
    case NEW_LINE_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
        c -= UNCHANGED_LINE_FORMAT_OPTION;
        specify_value (&line_format[c], optarg, line_format_option[c]);
        break;

    case UNCHANGED_GROUP_FORMAT_OPTION:
    case OLD_GROUP_FORMAT_OPTION:
    case NEW_GROUP_FORMAT_OPTION:
    case CHANGED_GROUP_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
        c -= UNCHANGED_GROUP_FORMAT_OPTION;
        specify_value (&group_format[c], optarg, group_format_option[c]);
        break;

default:
    try_help (NULL, NULL);
{
    prev = c;
}

if (output_style == OUTPUT_UNSPECIFIED)
{
    if (show_c_function)
    {
        specify_style (OUTPUT_CONTEXT);
        if (ocontext < 0)
            context = 3;
    }
    else
        specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
    #if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \  
            || defined HAVE_STRUCT_STAT_ST_SPARE1)
        time_format = "%Y-%m-%d %H:%M:%S,%N %z";
    #else
        time_format = "%Y-%m-%d %H:%M:%S %z";
    #endif
}


#endif

else

  /* See POSIX 1003.1-2001 for this format. */
  time_format = "%a %b %e %T %Y";

}

if (0 <= ocontext
  && (output_style == OUTPUT_CONTEXT
       || output_style == OUTPUT_UNIFIED)
  && (context < ocontext
        || (ocontext < context && ! explicit_context)))
  context = ocontext;

if (! tabsize)
  tabsize = 8;
if (! width)
  width = 130;

{
  /* Maximize first the half line width, and then the gutter width,
     according to the following constraints:

  1. Two half lines plus a gutter must fit in a line.
  2. If the half line width is nonzero:
       a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
       b. If tabs are not expanded to spaces,
          a half line plus a gutter is an integral number of tabs,
          so that tabs in the right column line up. */

  intmax_t t = expand_tabs ? 1 : tabsize;
  intmax_t w = width;
  intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
  sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
  sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
  horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)

for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
if (!line_format[i])
    line_format[i] = "\n";
if (!group_format[OLD])
    group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
if (!group_format[NEW])
    group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
if (!group_format[UNCHANGED])
    group_format[UNCHANGED] = "%=";
if (!group_format[CHANGED])
    group_format[CHANGED] = concat (group_format[OLD], group_format[NEW], "")
}

no_diff_means_no_output =
(output_style == OUTPUT_IFDEF ?
(!*group_format[UNCHANGED]
 || (STREQ (group_format[UNCHANGED], "%=")
 && !*line_format[UNCHANGED]))
 : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
(brief & binary
 & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
 | (ignore_regexp_list.regexps || ignore_white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
    if (to_file)
        fatal ("--from-file and --to-file both specified");
    else
        for (; optind < argc; optind++)
        {
            int status = compare_files (NULL, from_file, argv[optind]);
            if (exit_status < status)
                exit_status = status;
        }
}
else
{
    if (to_file)
        for (; optind < argc; optind++)
        {
            int status = compare_files (NULL, argv[optind], to_file);
if (exit_status < status)
    exit_status = status;
else
{
    if (argc - optind != 2)
    {
        if (argc - optind < 2)
            try_help ("missing operand after ""%s"", argv[argc - 1]);
        else
            try_help ("extra operand ""%s"", argv[optind + 2]);
    }

    exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
}

/* Print any messages that were saved up for last. */
print_message_queue ();

check_stdout ();
exit (exit_status);
return exit_status;

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen (pattern);
    char const *m = re_compile_pattern (pattern, patlen, reglist->buf);
    if (m != 0)
        error (0, 0, "%s: %s", pattern, m);
    else
    {
        char *regexps = reglist->regexps;
        size_t len = reglist->len;
        bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
        size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
        size_t size = reglist->size;

        if (size <= newlen)
        {
            if (!size)
                size = 1;
do size *= 2;
while (size <= newlen);

reglist->size = size;
reglist->regexps = regexps = xrealloc (regexps, size);
}
if (multiple_regexps)
{
regexps[len++] = '\';
regexps[len++] = '|';
}
memcpy (regexps + len, pattern, patlen + 1);
}

/* Ensure that REGLIST represents the disjunction of its regexps.
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
if (reglist->regexps)
{
   /* At least one regexp was specified. Allocate a fastmap for it. */
   reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
   if (reglist->multiple_regexps)
   {
      /* Compile the disjunction of the regexps.
         (If just one regexp was specified, it is already compiled.) */
      char const *m = re_compile_pattern (reglist->regexps, reglist->len,
         reglist->buf);
      if (m)
         error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
   }
}

static void
try_help (char const *reason_msgid, char const *operand)
{
if (reason_msgid)
   error (0, 0, _(reason_msgid), operand);
error (EXIT_TROUBLE, 0, "Try '%s --help' for more information.",
   program_name);
abort ();
}

static void
check_stdout (void)
{
    if (ferror (stdout))
        fatal ("write failed");
    else if (fclose (stdout) != 0)
        pfatal_with_name (_("standard output");)
}

static char const * const option_help_msgid[] = {
    N_("--normal output a normal diff (the default")
    N_("--report-identical-files report when two files are the same")
    N_("--context[NUM] output NUM (default 3) lines of copied context")
    N_("--unified[NUM] output NUM (default 3) lines of unified context")
    N_("--ed output an ed script")
    N_("--rcs output an RCS format diff")
    N_("--side-by-side output in two columns")
    N_("--width=NUM output at most NUM (default 130) print columns")
    N_("--left-column output only the left column of common lines")
    N_("--suppress-common-lines do not output common lines")
    N_("--show-c-function show which C function each change is in")
    N_("--show-function-line=RE show the most recent line matching RE")
    N_("--label LABEL use LABEL instead of file name
        (can be repeated")
    N_("--expand-tabs expand tabs to spaces in output")
    N_("--initial-tab make tabs line up by prepending a tab")
    N_("--tabsizes=NUM tab stops every NUM (default 8) print columns")
    N_("--suppress-blank-empty suppress space or tab before empty output lines")
    N_("--paginate pass output through 'pr' to paginate it")
    N_("--recursive recursively compare any subdirectories found")
    N_("--no-dereference don't follow symbolic links")
    N_("--new-file treat absent files as empty")
    N_("--unidirectional-new-file treat absent first files as empty")
    N_("--ignore-file-name-case ignore case when comparing file names")
    N_("--no-ignore-file-name-case consider case when comparing file names")
    N_("--exclude=PAT exclude files that match PAT")
    N_("--exclude-from=FILE exclude files that match any pattern in FILE")
    N_("--starting-file=FILE start with FILE when comparing directories")
    N_("--from-file=FILE1 compare FILE1 to all operands:\n        FILE1 can be a directory")
    N_("--to-file=FILE2 compare all operands to FILE2:\n        FILE2 can be a directory")
    N_("--ignore-case ignore case differences in file contents")
    N_("--ignore-tab-expansion ignore changes due to tab expansion")
}
N_("-Z, --ignore-trailing-space     ignore white space at line end"),
N_("-b, --ignore-space-change       ignore changes in the amount of white space"),
N_("-w, --ignore-all-space          ignore all white space"),
N_("-B, --ignore-blank-lines        ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE  ignore changes where all lines match RE"),

N_("-a, --text                      treat all files as text"),
N_("  --strip-trailing-cr         strip trailing carriage return on input"),
#if O_BINARY
N_("  --binary                    read and write data in binary mode"),
#endif

N_("-D, --ifdef=NAME                output merged file with '#ifdef NAME' diffs"),
N_("  --GTYPE-group-format=GFMT   format GTYPE input groups with GFMT"),
N_("  --line-format=LFMT   format all input lines with LFMT"),
N_("  --LTYPE-line-format=LFMT    format LTYPE input lines with LFMT"),
N_("  These format options provide fine-grained control over the output
    of diff, generalizing -D/--ifdef."),
N_("  LTYPE is 'old', 'new', or 'unchanged'.  GTYPE is LTYPE or 'changed'."),
N_("  GFMT (only) may contain:\n\n%<  lines from FILE1\n\n%>  lines from FILE2\n\n%=  lines common to FILE1 and FILE2\n\n%[-][WIDTH][.PREC]{doxX}LETTER  printf-style spec for LETTER\n    LETTERs are as follows for new group, lower case for old group:\n    F  first line number\n    L  last line number\n    N  number of lines = L-F+1\n    E  F-1\n    M  L+1\n    %(A=B?T:E)  if A equals B then T else E"),
N_("  LFMT (only) may contain:\n\n%L  contents of line\n%l  contents of line, excluding any trailing newline\n\n%[-][WIDTH][.PREC]{doxX}n  printf-style spec for input line number"),
N_("  Both GFMT and LFMT may contain:\n\n%\%\n%c'C'  the single character C\n%c\"\O\O\O\"  the character with octal code OOO\nC  the character C (other characters represent themselves)"),

N_("-d, --minimal            try hard to find a smaller set of changes"),
N_("  --horizon-lines=NUM  keep NUM lines of the common prefix and suffix"),
N_("  --speed-large-files  assume large files and many scattered small changes"),

N_("  --help               display this help and exit"),
N_("  --version            output version information and exit"),
static void
usage (void)
{
  char const * const *p;

  printf (_("Usage: %s [OPTION]... FILES
"), program_name);
  printf (_("Compare FILES line by line.
"));

  fputs (_("\nMandatory arguments to long options are mandatory for short options too.\n"), stdout);

  for (p = option_helpmsgid;  *p;  p++)
    {
      if (!**p)
        putchar ('n');
      else
        {
          char const *msg = _(*p);
          char const *nl;
          while ((nl = strchr (msg, 'n')))  
            {
              int msglen = nl + 1 - msg;
              printf (_("  %.*s", msglen, msg);
              msg = nl + 1;
            }

          printf (_("  %s\n") + 2 * (*msg != ' ' && *msg != '-'), msg);
        }
    
  emit_bug_reporting_address ();
}

/* Set VAR to VALUE, reporting an OPTION error if this is a
conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
  if (*var && ! STREQ (*var, value))
    {
      error (0, 0, _("conflicting %s option value '%s'"), option, value);
    
    }
try_help (NULL, NULL);

*var = value;

/*/ Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
    if (output_style != style)
    {
        if (output_style != OUTPUT_UNSPECIFIED)
            try_help ("conflicting output style options", NULL);
        output_style = style;
    }
}

/*/ Set the last-modified time of *ST to be the current time. */
static void
set_mtime_to_now (struct stat *st)
{
    #ifdef STAT_TIMESPEC
        gettime (&STAT_TIMESPEC (st, st_mtim));
    #else
        struct timespec t;
        gettime (&t);
        st->st_mtime = t.tv_sec;
    #if defined STAT_TIMESPEC_NS
        STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
    #elif defined HAVE_STRUCT_STAT_ST_SPARE1
        st->st_spare1 = t.tv_nsec / 1000;
    #endif
    #endif
}

/*/ Compare two files (or dirs) with parent comparison PARENT
and names NAME0 and NAME1.
(If PARENT is null, then the first name is just NAME0, etc.)
This is self-contained; it opens the files and closes them.

Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */
static int
compare_files (struct comparison const *parent,
              char const *name0,
              char const *name1)
struct comparison cmp;
#define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
register int f;
int status = EXIT_SUCCESS;
bool same_files;
char *free0;
char *free1;

/* If this is directory comparison, perhaps we have a file
   that exists only in one of the directories.
   If so, just print a message to that effect. */
if (! ((name0 && & name1)
 || (unidirectional_new_file && & name1)
 || new_file))
{
    char const *name = name0 ? name0 : name1;
    char const *dir = parent->file[!name0].name;

    /* See POSIX 1003.1-2001 for this format. */
    message ("Only in %s: %s\n", dir, name);

    /* Return EXIT_FAILURE so that diff_dirs will return
    EXIT_FAILURE ("some files differ"). */
    return EXIT_FAILURE;
}

memset (cmp.file, 0, sizeof cmp.file);
cmp.parent = parent;

/* cmp.file[f].desc markers */
#define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */
if (!name0)
    name0 = name1;
if (!name1)
    name1 = name0;
if (!parent)
{
    free0 = NULL;
    free1 = NULL;
    cmp.file[0].name = name0;
    cmp.file[1].name = name1;
}
else
{
    cmp.file[0].name = free0
    = file_name_concat (parent->file[0].name, name0, NULL);
    cmp.file[1].name = free1
    = file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
    if (cmp.file[f].desc != NONEXISTENT)
    {
        if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
        {
            cmp.file[f].desc = cmp.file[0].desc;
            cmp.file[f].stat = cmp.file[0].stat;
        }
        else if (STREQ (cmp.file[f].name, "-"))
        {
            cmp.file[f].desc = STDIN_FILENO;
            if (binary && ! isatty (STDIN_FILENO))
            set_binary_mode (STDIN_FILENO, O_BINARY);
            if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
            cmp.file[f].desc = ERRNO_ENCODE (errno);
            else
            {
                if (S_ISREG (cmp.file[f].stat.st_mode))
                {
                    off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
                    if (pos < 0)
                    cmp.file[f].desc = ERRNO_ENCODE (errno);
                    else
                    cmp.file[f].stat.st_size =
                    MAX (0, cmp.file[f].stat.st_size - pos);
                }
                /* POSIX 1003.1-2001 requires current time for
                stdin. */
                set_mtime_to_now (&cmp.file[f].stat);
            }
        }
    }
else if ((no_dereference_symlinks
    ? lstat (cmp.file[f].name, &cmp.file[f].stat)
    : stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
    cmp.file[f].desc = ERRNO_ENCODE (errno);
}

/* Mark files as nonexistent as needed for -N and -P, if they are
    inaccessible empty regular files (the kind of files that 'patch'
    creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
    if (((new_file || (f == 0 && unidirectional_new_file))
        && (cmp.file[f].desc == UNOPENED
        ? (S_ISREG (cmp.file[f].stat.st_mode)
            && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
            && cmp.file[f].stat.st_size == 0)
        : ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
            || cmp.file[f].desc == ERRNO_ENCODE (EBADF))
            && ! parent
            && (cmp.file[1 - f].desc == UNOPENED
            && cmp.file[1 - f].desc == STDIN_FILENO)))
    cmp.file[f].desc = NONEXISTENT;

for (f = 0; f < 2; f++)
    if (cmp.file[f].desc == NONEXISTENT)
        
            memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
    cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;

for (f = 0; f < 2; f++)
    
        int e = ERRNO_DECODE (cmp.file[f].desc);
        if (0 <= e)
        
            errno = e;
            perror_with_name (cmp.file[f].name);
            status = EXIT_TROUBLE;

        

        if (status == EXIT_SUCCESS && ! parent && DIR_P (0) != DIR_P (1))


/* If one is a directory, and it was specified in the command line, 
use the file in that dir with the other file's basename. */

int fnm_arg = DIR_P (0);
int dir_arg = 1 - fnm_arg;
char const *fnm = cmp.file[fnm_arg].name;
char const *dir = cmp.file[dir_arg].name;
char const *filename = cmp.file[dir_arg].name = free0
= find_dir_file_pathname (dir, last_component (fnm));

if (STREQ (fnm, "-"))
fatal ("cannot compare '-' to a directory");

if ((no_dereference_symlinks
? lstat (filename, &cmp.file[dir_arg].stat)
: stat (filename, &cmp.file[dir_arg].stat))
!= 0)
{
 perror_with_name (filename);
 status = EXIT_TROUBLE;
}
}

if (status != EXIT_SUCCESS)
{
 /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
&& cmp.file[1].desc == NONEXISTENT)
{
 /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
 = (cmp.file[0].desc != NONEXISTENT
 && cmp.file[1].desc != NONEXISTENT
 && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
 && same_file_attributes (&cmp.file[0].stat,
 &cmp.file[1].stat)))
 && no_diff_means_no_output)
{
 /* The two named files are actually the same physical file. 
 We know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
 if (output_style == OUTPUT_IFDEF)
fatal ("-D option not supported with directories");
/* If both are directories, compare the files in them. */

if (parent && recursive)
{
  /* But don't compare dir contents one level down
   unless -r was specified.
   See POSIX 1003.1-2001 for this format. */
  message("Common subdirectories: %s and %s\n", cmp.file[0].name, cmp.file[1].name);
}
else
  status = diff_dirs(&cmp, compare_files);
}
else if (((DIR_P (0) | DIR_P (1))
  && !((S_ISREG (cmp.file[0].stat.st_mode)
  || S_ISLNK (cmp.file[0].stat.st_mode))
  && (S_ISREG (cmp.file[1].stat.st_mode)
  || S_ISLNK (cmp.file[1].stat.st_mode))))
{
  if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
  {
    /* We have a subdirectory that exists only in one directory. */
    if (((DIR_P (0) | DIR_P (1))
      && recursive
      && (new_file
        && (unidirectional_new_file
            && cmp.file[0].desc == NONEXISTENT)))
      status = diff_dirs(&cmp, compare_files);
    else
      {char const *dir;

       /* PARENT must be non-NULL here. */
       assert(parent);
       dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

       /* See POSIX 1003.1-2001 for this format. */
       message("Only in %s: %s\n", dir, name0);
       status = EXIT_FAILURE;
      }
  }
}
else
{
  /* We have two files that are not to be compared. */
/* See POSIX 1003.1-2001 for this format. */
message5 ("File %s is a %s while file %s is a %s\n",
    file_label[0] ? file_label[0] : cmp.file[0].name,
    file_type (&cmp.file[0].stat),
    file_type (&cmp.file[1].stat));

    /* This is a difference. */
    status = EXIT_FAILURE;
}
}
else if (S_ISLNK (cmp.file[0].stat.st_mode)
    || S_ISLNK (cmp.file[1].stat.st_mode))
{
    /* We get here only if we use lstat(), not stat(). */
    assert (no_dereference_symlinks);

    if (S_ISLNK (cmp.file[0].stat.st_mode)
        && S_ISLNK (cmp.file[1].stat.st_mode))
    {
        /* Compare the values of the symbolic links. */
        char *link_value[2] = { NULL, NULL };

        for (f = 0; f < 2; f++)
            {
                link_value[f] = xreadlink (cmp.file[f].name);
                if (link_value[f] == NULL)
                    { 
                        perror_with_name (cmp.file[f].name);
                        status = EXIT_TROUBLE;
                    break;
                }
            }
    if (status == EXIT_SUCCESS)
        {
            if ( ! STREQ (link_value[0], link_value[1]))
                {
                    message ("Symbolic links %s and %s differ\n",
                        cmp.file[0].name, cmp.file[1].name);
                    /* This is a difference. */
                    status = EXIT_FAILURE;
                }
    }
    for (f = 0; f < 2; f++)
        free (link_value[f]);
    }
else
/* We have two files that are not to be compared, because
one of them is a symbolic link and the other one is not. */

message5("File %s is a %s while file %s is a %s\n",
file_label[0] ? file_label[0] : cmp.file[0].name,
file_type(&cmp.file[0].stat),
file_type(&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
}
else if (files_can_be_treated_as_binary
&& S_ISREG(cmp.file[0].stat.st_mode)
&& S_ISREG(cmp.file[1].stat.st_mode)
&& cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
{
    message("Files %s and %s differ\n",
    file_label[0] ? file_label[0] : cmp.file[0].name,
    status = EXIT_FAILURE;
}
else
{
    /* Both exist and neither is a directory. */

    /* Open the files and record their descriptors. */

    int oflags = O_RDONLY | (binary ? O_BINARY : 0);

    if (cmp.file[0].desc == UNOPENED)
    if ((cmp.file[0].desc = open(cmp.file[0].name, oflags, 0)) < 0)
    {
        perror_with_name(cmp.file[0].name);
        status = EXIT_TROUBLE;
    }
    if (cmp.file[1].desc == UNOPENED)
    {
        if (same_files)
            cmp.file[1].desc = cmp.file[0].desc;
        else if ((cmp.file[1].desc = open(cmp.file[1].name, oflags, 0)) < 0)
        {
            perror_with_name(cmp.file[1].name);
            status = EXIT_TROUBLE;
        }
    }
}
/* Compare the files, if no error was found. */

if (status == EXIT_SUCCESS)
    status = diff_2_files (&cmp);

/* Close the file descriptors. */

if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{
    perror_with_name (cmp.file[0].name);
    status = EXIT_TROUBLE;
}
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc
    && close (cmp.file[1].desc) != 0)
{
    perror_with_name (cmp.file[1].name);
    status = EXIT_TROUBLE;
}

/* Now the comparison has been done, if no error prevented it, 
and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
    if (report_identical_files && !DIR_P (0))
        message ("Files %s and %s are identical
          file_label[0] ? file_label[0] : cmp.file[0].name,
    }
else
    {
        /* Flush stdout so that the user sees differences immediately. 
This can hurt performance, unfortunately. */
        if (fflush (stdout) != 0)
            pfatal_with_name (_("standard output"));
    }

    free (free0);
    free (free1);

    return status;
}

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1.2408 java-sizeof 0.0.5

1.2409 gopsutil v2.20.3

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1.2410 hibernate-envers 3.6.10.Final

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* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-jar/org/springframework/core/convert/converter/ConditionalConverter.java
* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-jar/org/springframework/cglib/core/SpringNamingPolicy.java
* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-jar/org/springframework/core/convert/support/ArrayToStringConverter.java
* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-jar/org/springframework/core/convert/support/ObjectToStringConverter.java
* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
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* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java
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  jar/org/springframework/core/DefaultParameterNameDiscoverer.java
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* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-
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* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-
  jar/org/springframework/core/AliasRegistry.java
* /opt/cola/permits/1104729190_1604648960.54/0/spring-core-5-2-10-release-sources-
  jar/org/springframework/core/KotlinDetector.java
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1.2418 golang-snappy 0.0.2

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1.2420 opensaml-storage-impl 3.3.0

1.2421 json-java 20090211

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- 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
- 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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- jsp_2_2.xsd
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* /opt/ws_local/PERMITS_SQL/1091710000_1600571783.41/spring-beans-4-0-2-release-sources-jar/org/springframework/beans/factory/support/RootBeanDefinition.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/ssl/SslHandler.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/ssl/util/package-info.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/stream/ChunkedStream.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/stream/ChunkedNioFile.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/stream/ChunkedInput.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/timeout/IdleState.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/stream/ChunkedFile.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/stream/package-info.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/OpenSslTlsV13X509ExtendedTrustManager.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
  jar/io/netty/handler/ssl/OpenSslX509Certificate.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
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jar/io/netty/handler/ssl/OpenSslSessionContext.java
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jar/io/netty/handler/ssl/OpenSslContext.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
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jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
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jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
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* /opt/cola/permits/1104729481_1604648810.18/0/netty-handler-4-1-53-final-sources-
jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
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jar/com/contentstack/sdk/ContentstackResultCallback.java
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jar/com/contentstack/sdk/ResultCallBack.java
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* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
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 */
/**
/**
 * A [@link WebApplicationContext] that can be used to bootstrap itself from a contained
 * [@link ServletWebServerFactory] bean.
 * 
 * This context will create, initialize and run an [@link WebServer] by searching for a
 * single [@link ServletWebServerFactory] bean within the [@link ApplicationContext]
 * itself. The [@link ServletWebServerFactory] is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * 
 * In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
 * automatically registered with the web server. In the case of a single Servlet bean, the
 * '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
 * name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
 * always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
 * 
 * For more advanced configuration, the context can instead define beans that implement
 * the [@link ServletContextInitializer] interface (most often
 * [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
 * double registration, the use of [@link ServletContextInitializer] beans will disable
 * automatic Servlet and Filter bean registration.
 * 
 * Although this context can be used directly, most developers should consider using the
 * [@link AnnotationConfigServletWebServerApplicationContext] or
 * [@link XmlServletWebServerApplicationContext] variants.
 * 
 * @author Phillip Webb
 * @author Dave Syer
 * @author Scott Frederick
 * @since 2.0.0
 * @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

Found in path(s):
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
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  jar/org/springframework/boot/info/GitProperties.java
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  jar/org/springframework/boot/web/servlet/server/ConfigurableServletWebServerFactory.java
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  jar/org/springframework/boot/context/ApplicationPidFileWriter.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
  jar/org/springframework/boot/web/embedded/undertow/UndertowDeploymentInfoCustomizer.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
  jar/org/springframework/boot/builder/package-info.java
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  jar/org/springframework/boot/convert/NumberToDataSizeConverter.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
  jar/org/springframework/boot/DefaultApplicationArguments.java
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  jar/org/springframework/boot/Banner.java
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* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/context/config/DelegatingApplicationContextInitializer.java
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* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/ApplicationArguments.java
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* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/ansi/Ansi8BitColor.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/web/embedded/netty/NettyRouteProvider.java
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* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/context/properties/bind/AggregateElementBinder.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/web/servlet/ErrorPageRegistrar.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/context/properties/bind/BindException.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/package-info.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/web/server/ServletListenerRegistrationBean.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/context/properties/ConfigurationBeanFactoryMetadata.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/web/context/properties/bind/BindExceptionHandler.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/web/embedded/jetty/JettyHandlerWrappers.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources.jar/org/springframework/boot/diagnostics/AbstractFailureAnalyzer.java
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* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/web/embedded/tomcat/TldPatterns.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/context/properties/bind/handler/NoUnboundElementsBindHandler.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/context/properties/bind/handler/LazyInitializationExcludeFilter.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-jar/org/springframework/boot/LazyInitializationExcludeFilter.java
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jar/org/springframework/boot/web/server/SslConfigurationValidator.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
jar/org/springframework/boot/context/properties/NotConstructorBoundInjectionFailureAnalyzer.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
jar/org/springframework/boot/builder/SpringApplicationBuilder.java
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jar/org/springframework/boot/security/reactive/ApplicationContextServerWebExchangeMatcher.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
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* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
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jar/org/springframework/boot/web/server/PortInUseException.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
jar/org/springframework/boot/context/properties/EnableConfigurationPropertiesRegistrar.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
jar/org/springframework/boot/web/embedded/undertow/SslBuilderCustomizer.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
jar/org/springframework/boot/web/reactive/error/DefaultErrorAttributes.java
jar/org/springframework/boot/web/embedded/tomcat/TomcatReactiveWebServerFactory.java
* /opt/cola/permits/1106732892_1605662068.63/0/spring-boot-2-2-11-release-sources-
jar/org/springframework/boot/cloud/CloudPlatform.java
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1.2445 datatype 1.3.02

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1.2450 jackson 2.4.5

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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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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

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

class AutoCloseInputStream extends FilterInputStream{

    public AutoCloseInputStream(InputStream in)
        throws IOException {

        super(in);
    }

    public void close()
        throws IOException {

        super.close();
    }
}

package org.apache.commons.httpclient;

import java.io.FilterInputStream;
import java.io.IOException;
import java.io.InputStream;

/**
 * Closes an underlying stream as soon as the end of the stream is reached, and
 * notifies a client when it has done so.
 * *
 * @author Ortwin Glueck
 */
class AutoCloseInputStream extends FilterInputStream {

    /**
     * True if this stream is open. Assume that the underlying stream
     * is open until we get an EOF indication.
     */
    private boolean streamOpen = true;

    /**
     * True if the stream closed itself.
     */
    private boolean selfClosed = false;

    /**
     * The watcher is notified when the contents of the stream have
     * been exhausted
     */
    private ResponseConsumedWatcher watcher = null;

    /**
     * Create a new auto closing stream for the provided connection
     *
     * @param in the input stream to read from
     * @param watcher To be notified when the contents of the stream have been
     * consumed.
     */
    public AutoCloseInputStream(final InputStream in, final ResponseConsumedWatcher watcher) {
        super(in);
        this.watcher = watcher;
    }

    /**
     * Reads the next byte of data from the input stream.
     * @throws IOException when there is an error reading
     * @return the character read, or -1 for EOF
     */
    public int read() throws IOException {
        int l = -1;
        if (isReadAllowed()) {
            // underlying stream not closed, go ahead and read.
            l = super.read();
            checkClose(l);
        }
        return l;
    }
}
public int read(byte[] b, int off, int len) throws IOException {
    int l = -1;
    if (isReadAllowed()) {
        l = super.read(b, off, len);
        checkClose(l);
    }
    return l;
}

/**
* Reads up to <code>len</code> bytes of data from the stream.
* @param b a <code>byte</code> array to read data into
* @param off an offset within the array to store data
* @param len the maximum number of bytes to read
* @return the number of bytes read or -1 for EOF
* @throws IOException if there are errors reading
*/

public int read(byte[] b) throws IOException {
    int l = -1;
    if (isReadAllowed()) {
        l = super.read(b);
        checkClose(l);
    }
    return l;
}

/**
* Close the stream, and also close the underlying stream if it is not
* already closed.
* @throws IOException If an IO problem occurs.
*/
public void close() throws IOException {
    if (!selfClosed) {
        selfClosed = true;
        notifyWatcher();
    }
}

/**
 * Close the underlying stream should the end of the stream arrive.
 *
 * @param readResult The result of the read operation to check.
 * @throws IOException If an IO problem occurs.
 */
private void checkClose(int readResult) throws IOException {
    if (readResult == -1) {
        notifyWatcher();
    }
}

/**
 * See whether a read of the underlying stream should be allowed, and if
 * not, check to see whether our stream has already been closed!
 *
 * @return <code>true</code> if it is still OK to read from the stream.
 * @throws IOException If an IO problem occurs.
 */
private boolean isReadAllowed() throws IOException {
    if (!streamOpen && selfClosed) {
        throw new IOException("Attempted read on closed stream.");
    }
    return streamOpen;
}

/**
 * Notify the watcher that the contents have been consumed.
 * @throws IOException If an IO problem occurs.
 */
private void notifyWatcher() throws IOException {
    if (streamOpen) {
        super.close();
        streamOpen = false;
        if (watcher != null) {
            watcher.responseConsumed();
        }
    }
}

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

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The End

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abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>.'
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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

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

--------------------------------------------------------------------------
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#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
  skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
  is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";
  # The copyright message is the first paragraph:
  local $/ = '';
  my $copyright_msg = <$readme>;
  my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
  $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
  my $output = runperl switches => ['-v'];
  my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";
  $year;
}

1.2492 unbound 1.6.6-5.el7_8

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* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/Stmt.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/bytecode/stackmap/MapMaker.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /opt/cola/permits/110677174_1606843766.77/0/javassist-3-18-1-ga-sources-3-jar/javassist/CtMember.java
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Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

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1.2539 icu 57

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

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

## Dependency rules
%: $(srcdir)/%.c
@echo "generating dependency information for $<"
$(SHELL) -ec "$\(<\)" > $@.
| sed "s/$\(.*\)$\(.*\)/" > $@.
[-s $@ ] || rm -f $@'
%
%: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
$(SHELL) -ec "$\(<\)" > $@.
| sed "s/$\(.*\)$\(.*\)/" > $@.
[-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 =
## End BSD-specific setup

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1.2541 jackson 2.10.1
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<one line to give the library's name and a brief idea of what it does.>
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That's all there is to it!

1.2546 jackson-dataformat-smile 2.8.6

1.2547 sbc 1.0-5.el7

1.2547.1 Available under license:

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   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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b) You must cause the files modified to carry prominent notices

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c) You must cause the whole of the work to be licensed at no

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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

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application-supplied function or table used by this function must

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root function must still compute square roots.)

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entire whole, and thus to each and every part regardless of who wrote

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Thus, it is not the intent of this section to claim rights or contest

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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
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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
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For an executable, the required form of the "work that uses the
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which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
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```
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```
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```
jar/org/springframework/expression/spel/SpelMessage.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/TypedValue.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/SpelNode.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/SpelEvaluationException.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/SpelCompiler.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/common/LiteralExpression.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/CodeFlow.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/ExpressionException.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/ast/AstUtils.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/common/BeanResolver.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/Operation.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/EvaluationContext.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/TemplateAwareExpressionParser.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/ast/FormatHelper.java
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* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/ExpressionState.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/ExpressionState.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources.jar/org/springframework/expression/spel/spel/support/CompositeStringExpression.java
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  jar/org/springframework/expression/spel/ast/MethodReference.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/standard/SpelExpression.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
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  jar/org/springframework/expression/spel/ast/Identifier.java
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  jar/org/springframework/expression/spel/ast/OperatorBetween.java
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  jar/org/springframework/expression/spel/ast/Indexer.java
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  jar/org/springframework/expression/spel/ast/OpMinus.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/NullLiteral.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/StringLiteral.java
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  jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/IntLiteral.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/LongLiteral.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/ast/ConstructorReference.java
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* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/expression/spel/ast/TypeCode.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/expression/spel/ast/StandardTokenizer.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/expression/spel/ast/RealLiteral.java
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* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/expression/spel/ast/Selection.java
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  jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/ParserContext.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/ParserException.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
  jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-
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  jar/org/springframework/expression/Expression.java
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  jar/org/springframework/expression/TypeConverter.java
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  jar/org/springframework/expression/ExpressionInvocationTargetException.java
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* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/expression/ConstructorResolver.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1104729343_1604648808.53/0/spring-expression-5-2-10-release-sources-jar/org/springframework/framework/expression/spel/standard/TokenKind.java

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* */
package org.jfree.ui.about;

/**
 * A simple class representing a contributor to a software project.
 * 
 * Used in the AboutFrame class.
 * 
 * @author David Gilbert
 */
public class Contributor {

    /** The name. */
    private String name;

    /** The e-mail address. */
    private String email;

    /**
     * Creates a new contributor.
     * 
     * @param name  the name.
     * @param email  the e-mail address.
     */
    public Contributor(final String name, final String email) {
        this.name = name;
        this.email = email;
    }

    /**
     * Returns the contributor's name.
     * 
     * @return the contributor's name.
     */
    public String getName() {
        return this.name;
    }
}
public String getEmail() {
    return this.email;
}

/**
* Returns the contributor's e-mail address.
*
* @return the contributor's e-mail address.
*/

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* ----------
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*
* $Id: Licences.java,v 1.4 2005/11/16 15:58:41 taqua Exp $
* Changes
* -------
* 26-Nov-2001: Version 1 (DG);
* 29-Jan-2002: Appended the instructions to the end of the GNU LGPL and GPL to comply with
*     GNU requirements (DG);
* 28-Feb-2002: Moved to package com.jrefinery.ui.about (DG);
* 08-Oct-2002: Fixed errors reported by Checkstyle (DG);
* */

package org.jfree.ui.about;

/**
 * Contains the full texts of the GNU General Public Licence and the GNU Lesser General Public
 * Licence.
 * <P>
 * These are used in the presentation of a standard 'About' frame.
 *
 * @author David Gilbert
 */

public class Licences {

    /** The GNU General Public Licence. */
    public static final String GPL = "GNU GENERAL PUBLIC LICENSE
     Version 2, June 1991
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Version 2.1, February 1999

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+ "things:\n"
+ "\n"
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+ "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.)\n"
+ 
+ "# 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.\n"
+ 
+ "# 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.\n"
+ 
+ "# 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.\n"
+ 
+ "# e) Verify that the user has already received a copy of these materials or that "
+ "you have already sent this user a copy.\n"
+ "\n"
+ ""For an executable, the required form of the \"work that uses the Library\" must "
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+ "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.\n"
+ "\n"
+ "It may happen that this requirement contradicts the license restrictions of other "
+ "proprietary libraries that do not normally accompany the operating system. Such a "
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+ "\n"
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+ "\n"
+ "That's all there is to it!\n";

/** The singleton instance of this class. */
private static Licences singleton;

/**
 * Returns a reference to this class.
 * 
 * @return the instance reference.
 */
public static Licences getInstance() {
    if (singleton == null) {
        singleton = new Licences();
    }
    return singleton;
}

/**
 * Returns the GPL text in a non static way to prevent the compiler
 * to copy the contents of the field.
 * 
 * @return the GPL licence text.
 */
public String getGPL() {
    return GPL;
}

/**
 * Returns the LGPL text in a non static way to prevent the compiler
 * to copy the contents of the field.
 * 
 * @return the LGPL licence text.
 */
public String getLGPL() {
    return LGPL;
}

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 * own byte buffer or similar may be able to optimize the copy
 */

package org.apache.cxf.io;
* instead of using the read/write into a temporary buffer that
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*/

public interface CopyingOutputStream {
    int copyFrom(InputStream in) throws IOException;
}

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Written by: Zoltan Herczeg
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Christoph Martin <martin@uni-mainz.de>
for his LIRC infrared handler

Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
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for the tda1004x frontend driver, and various bugfixes

Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
Augusto Cardoso <augusto@carhil.net>
for all the work for the FlexCopII chipset by B2C2,Inc.

Davor Emard <emard@softhome.net>
for his work on the budget drivers, the demux code,
the module unloading problems, ...

Hans-Frieder Vogt <hfvoigt@arcor.de>
for his work on calculating and checking the crc's for the
TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver
Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)*/nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.*http://www.hypermall.com/*10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY*interrupts us (except possibly for removal/insertion of the cable?)/*10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due 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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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ubuntu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
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Chandler Carruth <chandlere@google.com>
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jar/org/springframework/security/config/debug/SecurityDebugBeanFactoryPostProcessor.java
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jar/org/springframework/security/config/method/GlobalMethodSecurityBeanDefinitionParser.java
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* /opt/cola/permits/1110676162_1606844052.79/0/spring-security-config-3-1-4-release-sources-1-jar/org/springframework/security/config/http/WebConfigUtils.java
* /opt/cola/permits/1110676162_1606844052.79/0/spring-security-config-3-1-4-release-sources-1-jar/org/springframework/security/config/http/FormLoginBeanDefinitionParser.java
* /opt/cola/permits/1110676162_1606844052.79/0/spring-security-config-3-1-4-release-sources-1-jar/org/springframework/security/config/http/HttpSecurityBeanDefinitionParser.java
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1.2572 wildfly-weld-jpa 14.0.1.Final
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1.2594 undertow-core 2.0.13.Final

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  jar/io/undertow/protocols/alpn/DefaultAlpnEngineManager.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNIContextMatcher.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNISSLContextSpi.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNISSLContext.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNIAlpnEngineManager.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/alpn/ALPNEngineManager.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNISSLEngine.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
  jar/io/undertow/protocols/ssl/SNISSLEngine.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources- 
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# io.undertow.protocols.ssl.SNIAlpnEngineManager
# io.undertow.protocols.alpn.DefaultAlpnEngineManager

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#  
io.undertow.protocols.alpn.JDK8HackAlpnProvider  
io.undertow.protocols.alpn.JettyAlpnProvider  
io.undertow.protocols.alpn.JDK9AlpnProvider  
io.undertow.protocols.alpn.OpenSSLAlpnProvider  

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**Handler responsible for checking of confidentiality is required for the requested resource and if so rejecting the request and redirecting to a secure address.**

* @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>

Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.

* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return true if the request is 'sufficiently' confidential, false otherwise.

Use the HttpServerExchange to identify if confidentiality is required.

* This method currently returns true for all requests, sub-classes can override this to provide a custom check.
* TODO: we should deprecate this and just use a predicate to decide to execute the handler instead
* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return true if the request requires confidentiality, false otherwise.

All sub-classes are required to provide an implementation of this method, using the HttpServerExchange for the current request return the address to use for a redirect should confidentiality be required and the request not be confidential.

* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return The {@link URI} to redirect to.

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*/
/**
* Encodes and decodes to and from Base64 notation.
* </p>
* <p>
* </p>
*<p>
* Example:
* <p>
* <code>String encoded = Base64.encode( myByteArray );</code> <br />
* <code>byte[] myByteArray = Base64.decode( encoded );</code>
* *
* <p>
* The <tt>options</tt> parameter, which appears in a few places, is used to pass several pieces of information to the encoder. In the "higher level" methods such as encodeBytes( bytes, options ) the options parameter can be used to indicate such things:
* as first gzipping the bytes before encoding them, not inserting linefeeds, and encoding using the URL-safe and Ordered dialects.
* <p>
* <p>
* Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>, Section 2.1, implementations should not add line feeds unless explicitly told to do so. I've got Base64 set to this behavior now, although earlier versions broke lines by default.
* <p>
* <p>
* The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:
* </p>

* `<code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DO_BREAK_LINES );</code>`

* to compress the data before encoding it and then making the output have newline characters.

* </p>

* Also...

* </p>

* `<code>String encoded = Base64.encodeBytes( crazyString.getBytes() );</code>`

* 

* 

* </p>

* Change Log:

* </p>

* </ul>

* `<li>v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base 64 character

* but should not throw an ArrayIndexOutOfBoundsException either. Led to discovery of mishandling (or potential for better

* handling) of other bad input characters. You should now get an IOException if you try decoding something that has bad

* characters in it.</li>

* `<li>v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the buffer was

* not properly shrunk and contained an extra (null) byte that made it into the string.</li>

* `<li>v2.3.5 - Fixed bug in `{@link #encodeFromFile}` where estimated buffer size was wrong for files of size 31, 34, and 37

* bytes.</li>

* `<li>v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the Base64.OutputStream closed the Base64 encoding

* (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped streams. Also

* added experimental support for specifying a class loader when using the

* `{@link #decodeToObject(String, int, ClassLoader)}` method.</li>

* `<li>v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its CharEncoders and so

* forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException explicitly

* inline.</li>

* `<li>v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be

* so that the

* code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win when using

* the `{@link #encodeBytesToBytes(byte[])} family of methods (and not using the gzip options which uses a different mechanism

* with streams and stuff).</li>`
<li>v2.3.1 - Added [@link #encodeBytesToBytes(byte[], int, int, int)] and some similar helper methods to be more efficient</li>
<li>with memory by not returning a String but just a byte array.</li>
<li>v2.3 - <strong>This is not a drop-in replacement!</strong> This is two years of comments and bug fixes queued up and finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null values or something similar. Here are some changes that may affect you:</li>

<ul>
  <li>Does not break lines, by default. This is to keep in compliance with <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>.</li>
  <li>Throws exceptions instead of returning null values. Because some operations (especially those that may permit the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some discussion and thought, I've changed the behavior of the methods to throw java.io.IOExceptions rather than return null if ever there's an error. I think this is more appropriate, though it will require some changes to your code. Sorry, it should have been done this way to begin with.</li>
  <li>Removed all references to System.out, System.err, and the like. Shame on me. All I can say is sorry they were ever there.</li>
  <li>Throws NullPointerExceptions and IllegalArgumentExceptions as needed such as when passed arrays are null or offsets are invalid.</li>
  <li>Cleaned up as much javadoc as I could to avoid any javadoc warnings. This was especially annoying before for people who were thorough in their own projects and then had gobs of javadoc warnings on this file.</li>
</ul>

<li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~<lt; 40 bytes).</li>
<li>v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to support command line encoding/decoding from one file to the next. Also added these Base64 dialects:

<ul>
  <li>The default is RFC3548 format.</li>
  <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in Section 4 of RFC3548. http://www.faqs.org/rfcs/rfc3548.html</li>
  <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates URL and file name friendly format that preserves lexical ordering as described in http://www.faqs.org/qa/rfcq-1940.html</li>
</ul>

Special thanks to Jim Kellerman at <a href="http://www.powerset.com">http://www.powerset.com</a> for contributing the new
* Base64 dialects.</li>
*<li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.</li>
*<li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).</li>
*<li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
*<li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format.</li>
*<li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.</li>
*<li>v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).</li>
*<li>v1.4 - Added helper methods to read/write files.</li>
*<li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
*<li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.</li>
*<li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
*<li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
*<li>v1.3.2 - Fixed OutputStream.flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.</li>
*<li>v1.3.1 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.</li>
*<li>v1.3.0 - Fixed "improperly padded stream" error was thrown at the wrong time.</li>
*<li>v1.2.7 - Added OutputStream.flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.</li>
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*<p>@author Robert Harder</p>
*<p>@author rob@iharder.net</p>
*<p>@version 2.3.7</p>
*/

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jar/io/undertow/util/CopyOnWriteMap.java
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jar/io/undertow/HeaderValues.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/session/InMemorySessionManager.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/http2/Http2StreamSinkChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/http2/Http2ProtocolUtils.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/http2/HpackDecoder.java
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jar/io/undertow/server/handlers/LocalNameResolvingHandler.java
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jar/io/undertow/attribute/StoredResponse.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/client/http2/Http2PriorKnowledgeClientProvider.java
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jar/io/undertow/predicate/Predicate.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/util/HexConverter.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/attribute/RequestProtocolAttribute.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/GracefulShutdownHandler.java
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* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/sse/ServerSentEventConnection.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/alpn/ALPNProvider.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/client/ClientConnection.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/encoding/ContentEncodingProvider.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/http2/Http2RstStreamSinkChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/protocol/version07/WebSocket07TextFrameSourceChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/WebSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
```
jar/io/undertow/server/handlers/RequestDumpingHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/client/http2/Http2ClientConnection.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/MetricsHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/HttpContinueReadHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/cache/ResponseCachingSender.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/RoutingHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/WebSocketFrameType.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/PathHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/AllowedMethodsHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/PathHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/PathHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/PathHandler.java
jar/io/undertow/conduits/ChunkReader.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/protocol/version07/WebSocket07BinaryFrameSourceChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/accesslog/AccessLogHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/ResponseCodeHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/ssl/ALPNHackClientHelloExplorer.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/attribute/SecureExchangeAttribute.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/protocol/version13/WebSocket13Channel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/predicate/RegularExpressionPredicate.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/protocol/version13/Hybi13Handshake.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/protocol/version07/WebSocket07Channel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/WebSocketFramePriority.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/conduits/IdleTimeoutConduit.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/client/ClientStatistics.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/resource/URLResource.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/websockets/core/WebSocketVersion.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/ajp/AjpClientChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/proxy/ProxyHandler.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/protocols/http2/Http2DataStreamSinkChannel.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/security/api/AuthenticatedSessionManager.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/io/UndertowOutputStream.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/attribute/ConstantExchangeAttribute.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/attribute/ResponseCodeAttribute.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/protocol/ajp/AjpServerRequestConduit.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/proxy/HostTable.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/attribute/ConstantExchangeAttribute.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/attribute/ResponseCodeAttribute.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/protocol/ajp/AjpServerRequestConduit.java
* /opt/ws_local/PERMITS_SQL/1091710384_1600571926.25/0/undertow-core-2-0-13-final-sources-
jar/io/undertow/server/handlers/proxy/HostTable.java
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Mark Struberg struberg@apache.org,
Gerhard Petracek gpetracek@apache.org,
Romain Manni-Bucau rmannibucau@apache.org,
Ron Smeral rsmeral@apache.org,
Emily Jiang emijiang@uk.ibm.com,
Ondrej Mihalyi ondrej.mihalyi@gmail.com,
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1.2598 api-ldap-extras-sp 1.0.0-M20

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1.2608 asm 4.1

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    jar/io/netty/channel/epoll/TcpMd5Util.java
  * /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
    jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
  * /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-

jar/io/netty/channel/epoll/EpollServerChannelConfig.java
* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
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* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java
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* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-jar/io/netty/channel/epoll/EpollEventArray.java

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 * Set the [@code TCP_MD5SIG] option on the socket. See [@code linux/tcp.h] for more details.
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* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
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  jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
  jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
  jar/io/netty/channel/epoll/EpollChannelOption.java
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* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
  jar/io/netty/channel/epoll/EpollTcpInfo.java
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  jar/io/netty/channel/epoll/package-info.java
* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
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/*
 * Set the { @code TCP_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

---

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/**
 * Set the {@code TCP_QUICKACK} option on the socket. See http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

Found in path(s):
* /opt/cola/permits/1110675500_1606844060.35/0/netty-transport-native-epoll-4-1-24-final-sources-1-
jar/io/netty/channel/epoll/EpollSocketChannelConfig.java

---

**Libsemanage 2.5-14.el7.0atomix1**

**1.2617.1 Available under license :**

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Version 2.1, February 1999

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- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseMinimalStemmer.java
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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,-Bs symbolic 

## 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/\(.*\)/\1.o $@ : /g" > $@; \
[ -s $@ ] || rm -f $@"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@(SHELL) -ec "$(GEN_DEPS.cc) $< \
| sed "s/\(.*\)/\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 =

## End BSD-specific setup

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2.10.1
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1.2626 Im-sensors 3.4.0
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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in
  libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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1.2632 sqlite 3.7.7.1

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1.2633 ncurses 6.1-

15.20191109.el7_7.0atomix1

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This package is used for testing builds of ncurses.

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Files: *
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Files: aclocal.m4 package
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1.2634 gtk 3.22.30-3.el7

1.2635 openssl 7.5.14i

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* /opt/cola/permits/1091709276_1607125592.8/0/cdi-api-1.0-cr2-sources-1-jar/javax/enterprise/inject/Any.java
* /opt/cola/permits/1091709276_1607125592.8/0/cdi-api-1.0-cr2-sources-1-jar/javax/enterprise/event/TransactionPhase.java
* /opt/cola/permits/1091709276_1607125592.8/0/cdi-api-1.0-cr2-sources-1-jar/javax/enterprise/inject/spi/Interceptor.java
* /opt/cola/permits/1091709276_1607125592.8/0/cdi-api-1.0-cr2-sources-1-jar/javax/enterprise/inject/spi/Bean.java
* /opt/cola/permits/1091709276_1607125592.8/0/cdi-api-1.0-cr2-sources-1-jar/javax/enterprise/inject/spi/AmbiguousResolutionException.java
* /opt/cola/permits/1091709276_1607125592.8/0/cdi-api-1.0-cr2-sources-1-jar/javax/enterprise/context/spi/Contextual.java

1.2637 snappy-java 1.1.7.3
1.2638 kerberos 1.15.1 37.el7_7.2

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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
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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 * Constructs a new [link Textifier]. <i>Subclasses must not use this
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 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */

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 */
/**
 * Creates a new [@link AnalyzerAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *   the owner's class name.
 * @param access
 *   the method's access flags (see [@link Opcodes]).
 * @param name
 *   the method's name.
 * @param desc
 *   the method's descriptor (see [@link Type Type]).
 * @param mv
 *   the method visitor to which this adapter delegates calls. May
 *   be <tt>null</tt>.
 * @throws IllegalStateException
 *   If a subclass calls this constructor.
 */

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 */
/**
 * Constructs a new [ @link ClassNode ]. <i>Subclasses must not use this
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 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
*
* @param mv
* the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see { @link Opcodes }). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
* the method's descriptor (see { @link Type }).
* @param signature
* the method's signature. May be <tt>null</tt>.
*/
* @param exceptions
*   the internal names of the method's exception classes (see
*   { @link Type#getInternalName() getInternalName }). May be
*   <tt>null</tt>.
* @throws IllegalStateException
*   If a subclass calls this constructor.
*/

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 */
/**
 * Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [{@link GeneratorAdapter(int, MethodVisitor, int, String, String)}]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see [{@link Opcodes}]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [{@link Type Type}]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */
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jar/org/glassfish/hk2/external/org/objectweb/asm/signature/SignatureWriter.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/Opcodes.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/signature/SignatureVisitor.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/ClassVisitor.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/tree/FrameNode.java

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jar/org/glassfish/hk2/external/org/objectweb/asm/tree/analysis/Value.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/util/TraceMethodVisitor.java

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jar/org/glassfish/hk2/external/org/objectweb/asm/tree/JumpInsnNode.java

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jar/org/glassfish/hk2/external/org/objectweb/asm/tree/AnnotationNode.java

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jar/org/glassfish/hk2/external/org/objectweb/asm/tree/analysis/Subroutine.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/commons/SimpleRemapper.java

* /opt/cola/permits/1106204222_1605323231.93/0/asm-all-repackaged-2-3-0-b10-sources-
jar/org/glassfish/hk2/external/org/objectweb/asm/tree/TypeInsnNode.java
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/**
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 */
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 * the fist instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 * @param end
 * the last instructions corresponding to the continuous ranges

that make the scope of this local variable (exclusive). This array must have the same size as the ‘start’ array.

@param index
the local variable’s index in each range. This array must have the same size as the ‘start’ array.

@param desc
the class descriptor of the annotation class.

*/

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1.2648 wsdl4j 1.6.3

1.2649 classmate 1.4.0
1.2649.1 Available under license :
Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel
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<developers>
  <developer>
    <name>Stuart Douglas</name>
    <email>sdouglas@redhat.com</email>
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  <developerConnection>scm:git:git@github.com:jbossas/jboss-classfilewriter.git</developerConnection>
  <url>scm:git:git://github.com/jbossas/jboss-classfilewriter.git</url>
</scm>

</project>

Found in path(s):
* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter-1-2-3-final-sources-1-jar/META-INF/maven/org.jboss.classfilewriter/jboss-classfilewriter/pom.xml

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* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter-1-2-3-final-sources-1-
jar/org/jboss/classfilewriter/util/Signatures.java

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 */

Found in path(s):
* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter-1-2-3-final-sources-1-
jar/org/jboss/classfilewriter/constpool/DoubleEntry.java
* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter/constpool/InterfaceMethodRefEntry.java
* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter/constpool/WritableEntry.java
* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter/constpool/IntegerEntry.java
* /opt/cola/permits/1110674955_1606843695.45/0/jboss-classfilewriter/constpool/ConstPoolEntry.java
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1.2655 metrics 2.2.0

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  jar/org/springframework/web/struts/ActionSupport.java
* /opt/ws_local/PERMITS_SQL/1091710722_1600571719.44/0/spring-struts-3-0-7-release-sources-
  jar/org/springframework/web/struts/MappingDispatchActionSupport.java
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* /opt/cola/permits/1110676322_1606843154.35/0/jboss-vfs-3-2-14-final-sources-1.jar/org/jboss/vfs/util/SuffixesExcludeFilter.java
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jar/org/jboss/vfs/VFSInputSource.java
* /opt/cola/permits/1110676322_1606843154.35/0/jboss-vfs-3-2-14-final-sources-1-
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/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is `12 (0x0C)` which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *
 * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 * +--------+----------------+----->+--------+----------------+ 
 * | Length | Actual Content |----> | Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |    | 0x000C | "HELLO, WORLD" |
 */

*/
Because we can get the length of the content by calling
\{@link ByteBuf#readableBytes()\}, you might want to strip the length
field by specifying \langlett\rangle initialBytesToStrip\langlett\rangle. In this example, we
specified \langlett\rangle 2 \langlett\rangle, that is same with the length of the length field, to
strip the first two bytes.

* <pre>
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
initialBytesToStrip = 2 (= the length of the Length field)
* <code>
<br>
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = -2 (= the length of the Length field)
initialBytesToStrip = 0
* <code>
<br>
3 bytes length field at the end of 5 bytes header, do not strip header
</h3>
* The following message is a simple variation of the first example. An extra
header value is prepended to the message. \langlett\rangle lengthAdjustment\langlett\rangle is zero
again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |      |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
* 
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>
* 
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
* </pre>
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +--------------------------+ +--------------------------+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------------------------+ +--------------------------+
* </pre>

* 2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>

* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
* 
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +--------------------------+ +--------------------------+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------------------------+ +--------------------------+
* </pre>
* @see LengthFieldPrepender
*/

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* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/protobuf/Varint32FrameDecoder.java
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  jar/io/netty/handler/codec/HeadersUtils.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
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  jar/io/netty/handler/codec/MessageToByteEncoder.java
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  jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
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  jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
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  jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
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  jar/io/netty/handler/codec/string/StringDecoder.java
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* Enumeration of supported Base64 dialects.
* <p>
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 */

/*
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 * Base64 Encoder/Decoder</a>.
 */

/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * <p>
 * The encoding and decoding algorithm in this class has been derived from
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* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/ValueConverter.java
* /opt/cola/permits/1110674855_1606844016.39/0/netty-codec-4-1-34-final-sources-1-
  jar/io/netty/handler/codec/DefaultHeadersImpl.java

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 */

#elseif UV_BSD_H
#define UV_BSD_H
#define UV_PLATFORM_FS_EVENT_FIELDS
    uv__io_t event_watcher;

#define UV_IO_PRIVATE_PLATFORM_FIELDS
    int rcount;
    int wcount;

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

Files: *

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  jar/org/springframework/validation/AsyncAnnotationBeanPostProcessor.java
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  jar/org/springframework/jmx/export/assembler/MetadataMBeanInfoAssembler.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
  jar/org/springframework/context/support/ContextTypeMatchClassLoader.java
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* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
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jar/org/springframework/context/annotation/BeanMethod.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
jar/org/springframework/context/annotation/ConfigurationCondition.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
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* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
jar/org/springframework/context/annotation/DefaultContextLoadTimeWeaver.java
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 */
/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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*/
/**
* [FactoryBean] that obtains a WebSphere [MBeanServer] reference through WebSphere's proprietary [AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
*<p>Exposes the [MBeanServer] for bean references.  
 This FactoryBean is a direct alternative to [MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
*<p>See the javadocs for WebSphere's
*
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/Lazy.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/format/datetime/joda/LocalDateParser.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/format/datetime/joda/LocalTimeParser.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/i18n/LocalTimeParser.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/i18n/LocaleContext.java

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jar/org/springframework/context/annotation/FilterType.java
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* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources.jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
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* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources.jar/org/springframework/context/annotation/DeferredImportSelector.java
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* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
Found in path(s):
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/cache/intcceptor/BasicOperation.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/format/AnnotationFormatterFactory.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/annotation/ScannedGenericBeanDefinition.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/cache/cache/CacheManager.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/ApplicationContext.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/annotation/PropertySources.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java

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  jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
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  jar/org/springframework/format/Printer.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
  jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
  jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
  jar/org/springframework/format/datetime/standard/PeriodFormatter.java
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  jar/org/springframework/scripting/support/StandardScriptUtils.java
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  jar/org/springframework/context/annotation/ScopeMetadataResolver.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
  jar/org/springframework/jmx/export/annotation/ManagedNotifications.java
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* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/jmx/JmxException.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/context/event/ApplicationContextEvent.java
* /opt/cola/permits/1110677009_1606843451.03/0/spring-context-5-1-6-release-sources-jar/org/springframework/scheduling/config/TaskNamespaceHandler.java
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jar/org/springframework/context/ApplicationContextException.java
* /opt/cola/permits/110677009_1606843451.03/0/spring-context-5-1-6-release-sources-
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jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
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jar/org/springframework/jmx/access/InvalidInvocationException.java

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1.2681 guava 16.0.1

1.2682 spring-ldap 1.3.1.RELEASE

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* /opt/cola/permits/1110675337_1606843176.47/0/spring-ldap-1-3-1-release-sources-2-
jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceTransactionManagerDelegate.java
* /opt/cola/permits/1110675337_1606843176.47/0/spring-ldap-1-3-1-release-sources-2-
jar/org/springframework/ldap/transaction/compensating/manager/ContextSourceAndDataSourceTransactionManage
r.java

1.2683 clutter 1.26.2-2.el7
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1.2684 jackson-databind 2.6.3
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* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1.jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
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* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java

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  jar/io/netty/handler/ssl/OpenSslSession.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java

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jar/io/netty/handler/ssl/DelegatingSslContext.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/PemEncoded.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/PemX509Certificate.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/PemPrivateKey.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/OpenSslCertificateException.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
*/opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-
jar/io/netty/handler/ssl/Java8SslUtils.java
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* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/ssl/PemValue.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/cola/permits/1110676040_1606842976.07/0/netty-handler-4-1-34-final-sources-1-jar/io/netty/handler/flush/package-info.java

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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/codec/redis/RedisMessageType.java

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jar/io/netty/util/concurrent/FastThreadLocalThread.java
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jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
jar/io/netty/util/internal/CleanerJava6.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
jar/io/netty/channel/DefaultChannelHandlerContext.java

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  jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
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  jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *<p>
 *{@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 *that it can decode any message with a length field, which is often seen in
 *proprietary client-server protocols. Here are some example that will give
 *you the basic idea on which option does what.
 *
 *<h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 *The value of the length field in this example is <tt>12 (0x0C)</tt> which
 *represents the length of "HELLO, WORLD". By default, the decoder assumes
 *that the length field represents the number of the bytes that follows the
 *length field. Therefore, it can be decoded with the simplistic parameter
 *combination.
 *
 *<pre>
 *| b>lengthFieldOffset = 0
 *| b>lengthFieldLength = 2
 *| lengthAdjustment = 0
 *| initialBytesToStrip = 0 (= do not strip header)
 *
 *BEFORE DECODE (14 bytes)     AFTER DECODE (14 bytes)
 *+------------------|--+------------------|--+
 *| 0x000C | "HELLO, WORLD" | 0x000C | "HELLO, WORLD" |
 *+------------------|--+------------------|--+
* Because we can get the length of the content by calling
* [ByteBuf#readableBytes()], you might want to strip the length
* field by specifying `<tt>initialBytesToStrip</tt>`. In this example, we
* specified `<tt>2</tt>`, that is same with the length of the length field, to
* strip the first two bytes.

```
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
```

* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* `<tt>lengthAdjustment</tt>`. Because the length value in this example message
* is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>
* as `<tt>lengthAdjustment</tt>` for compensation.

```
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
```

* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

* `<pre>`
  * `<b>lengthFieldOffset</b> = `<b>2</b>` (= the length of Header 1)
  * `<b>lengthFieldLength</b> = `<b>3</b>`
  * `lengthAdjustment = 0`
  * `initialBytesToStrip = 0`

* `<pre>`

  * `<h3>` 3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

  * This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

  * `<pre>`
    * `lengthFieldOffset = 0`
    * `lengthFieldLength = 3`
    * `<b>lengthAdjustment</b> = `<b>2</b>` (= the length of Header 1)
    * `initialBytesToStrip = 0`

* `<pre>`

  * `<h3>` 2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>

  * This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field.
    * The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don't want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

  * `<pre>`
    * `lengthFieldOffset = 1 (= the length of HDR1)`
    * `lengthFieldLength = 2`
* <b>lengthAdjustment</b> = 1 (= the length of HDR2)
* <b>initialBytesToStrip</b> = 3 (= the length of HDR1 + LEN)

* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

* +-----------------------------+-----------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* +-----------------------------+-----------------------------+
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------------------+-----------------------------+
* </pre>

* h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message<h3>

* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = -3 (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = 3

* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

* +-----------------------------+-----------------------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* +-----------------------------+-----------------------------+
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------------------+-----------------------------+
* </pre>
* @see LengthFieldPrepender
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4.1.24-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http2/HttpConversionUtil.java
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  jar/io/netty/example/http/websocketx/client/WebSocketClientHandler.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/internal/logging/CommonsLogger.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/internal/logging/JdkLogger.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/internal/logging/Log4JLogger.java

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Adaptation of http://bjoern.hoehrmann.de/utf-8/decoder/dfa/

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*/
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
jar/io/netty/handler/codec/base64/Base64.java
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*/
/**
* Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/example/uptime/UptimeServer.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/internal/package-info.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/ssl/SniCompletionEvent.java
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*/
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/ssl/AbstractSniHandler.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/codec/http2/CleartextHttp2ServerUpgradeHandler.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/internal/EmptyPriorityQueue.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/NettyRuntime.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/ssl/Conscrypt.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/socket/ChannelOutputShutdownException.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/internal/ChannelUtils.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/codecs/http2/Http2StreamChannelId.java
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  jar/io/netty/handler/codec/http2/HpackDecoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http2/HpackStaticTable.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http2/HpackHeaderField.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http2/HpackHuffmanDecoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http2/HpackEncoder.java
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  jar/io/netty/handler/codec/http2/HpackUtil.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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  jar/io/netty/internal/tcnative/SSLContext.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/internal/tcnative/Buffer.java
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  jar/io/netty/internal/tcnative/SSL.java
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  jar/io/netty/channel/unix/Limits.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/util/internal/UnstableApi.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/handler/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/example/http2/multiplex/server/Http2Server.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/resolver/dns/NoopDnsCache.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/codec/smtp/SmtpRequests.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/util/internal/primitive/SessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/util/internal/primitive/ConstantTimeUtils.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/util/BooleanSupplier.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/SelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/resolver/dns/DnsCache.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/resolver/dns/DefaultDnsCache.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/buffer/WrappedDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/ssl/PemEncoded.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/KQueueDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/ssl/PemValue.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/codec/smtp/LastSmtpContent.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/NativeLongArray.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/PackageInfo.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/kqueue/package-info.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/handler/ssl/PemX509Certificate.java

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  jar/io/netty/handler/codec/http2/Http2ConnectionPrefaceAndSettingsFrameWrittenEvent.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/epoll/EpollDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/example/udt/echo/rendezvousBytes/package-info.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/scp/package-info.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/nio/package-info.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/concurrent/BlockingOperationException.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/local/LocalAddress.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/channel/socket/DatagramPacket.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/Channel.java

* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/local/LocalChannelRegistry.java

* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-jar/io/netty/channel/group/ChannelGroupFutureListener.java

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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/util/internal/StringUtil.java
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jar/io/netty/buffer/PoolArenaMetric.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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jar/io/netty/channel/unix/EpollMode.java
jar/io/netty/resolver/InetNameResolver.java
*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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*/opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its [@link ChannelPipeline].
*
* <h3>Sub-types</h3>
* <p>
* [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
* <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
* <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext]
* object. A [@link ChannelHandler] is supposed to interact with the
* [@link ChannelPipeline] it belongs to via a context object. Using the
* context object, the [@link ChannelHandler] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [@link AttributeKey]s) which is specific to the handler.
* </p>
* <h3>State management</h3>
* 
* A [@link ChannelHandler] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
* </pre>
* 
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]&lt;Message&gt; {
* 
*     <b>private boolean loggedIn;</b>
* }
* { @code @Override}
* public void channelRead0(@link ChannelHandlerContext) ctx, Message message) {
*     @link Channel} ch = e.getChannel();
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) message);
*         <b>loggedIn = true;</b>
*     } else (message instanceof GetDataMessage) {
*         if (<b>loggedIn</b>) {
*             ch.write(fetchSecret((GetDataMessage) message));
*         } else {
*             fail();
*         }
*     }
* }
* ...
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* </pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initialize(Channel)}.  
* 
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;@link Channel}&gt; { 
*     @code @Override 
*     public void initChannel(@link Channel) channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
* </pre>
* 
* <h4>Using { @link AttributeKey}s</h4>

* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use { @link AttributeKey}s which is provided by
* { @link ChannelHandlerContext}:
* </pre>
* public interface Message {
*     // your methods here
* }
* 
* { @code @Sharable}
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;Message&gt; { 
*     private final { @link AttributeKey}&lt;{ @link Boolean}&gt; auth =
*     {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");
* }
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}<{@link Boolean}> attr = ctx.attr(auth);
*         {@link Channel} ch = ctx.channel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             attr.set(true);
*         } else if (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ch.write(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
* 
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
* <h4>The {@code @Sharable} annotation</h4>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* This annotation is provided for documentation purpose, just like

* <h3>Additional resources worth reading</h3>

* Please refer to the [@link ChannelHandler], and
* [@link ChannelPipeline] to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.

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 */

/**
 * Enumeration of supported Base64 dialects.
 * <p>
 * The internal lookup tables in this class has been derived from
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/buffer/AbstractDerivedByteBuf.java
jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
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jar/io/netty/util/concurrent/ScheduledFuture.java
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jar/io/netty/handler/codec/memcache/FullMemcacheMessage.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-handler/codec/spdy/SpdyPingFrame.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-handler/codec/spdy/SpdyStreamStatus.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-channel/DefaultChannelId.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-channel/ChannelProgressiveFutureListener.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-handler/codec/spdy/SpdyCodecUtil.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-handler/codec/spdy/SpdySessionStatus.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-handler/codec/spdy/SpdyStreamStatus.java

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  jar/io/netty/resolver/dns/DnsAddressDecoder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/resolver/dns/DnsRecordResolveContext.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/resolver/dns/DnsAddressResolveContext.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1-
  jar/io/netty/util/internal/SuppressJava6Requirement.java
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* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/example/oepsp/OscpUtils.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/example/oepsp/OscpRequestBuilder.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/example/oepsp/OscpServerExample.java
* /opt/ws_local/PERMITS_SQL/1069270933_1596096817.99/0/netty-all-4-1-24-final-sources-1.jar/io/netty/example/oepsp/Digester.java

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/**
 * Set the @code TCP_MD5SIG option on the socket. See @code linux/tcp.h for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

/**
 * Set the @code TCP_QUICKACK option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
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  jar/io/netty/util/internal/logging/MessageFormatter.java
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* /opt/ws_local/PERMITS_SQL/1091709938_1600572267.4/0/wildfly-elytron-util-1.11.2-final-sources-jar/org/wildfly/security/util/DefaultTransformationMapper.java
* /opt/ws_local/PERMITS_SQL/1091709938_1600572267.4/0/wildfly-elytron-util-1.11.2-final-sources-jar/org/wildfly/security/util/TransformationSpec.java
* /opt/ws_local/PERMITS_SQL/1091709938_1600572267.4/0/wildfly-elytron-util-1.11.2-final-sources-jar/org/wildfly/security/util/TransformationMapper.java

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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,-Bsymblic

## 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 $@ $<
## Dependency rules

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

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

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

## End BSD-specific setup

---

**1.2713 centos-logos 70.0.6 3.el7.centos**

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1.2714 standard 1.1.2

1.2715 abego-treelayout-core 1.0.1

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1.2716 wagon-ssh-external 1.0-beta-2

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1.2717 commons-cli 1.0

1.2718 python-ipy 0.75-6.el7

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1.2719 websocket-server 1.1.FR

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1.2726 ksoap 2.3.0

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1.2727 jbossws-native-services 4.1.1.Final

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1.2730 wildfly-elytron-x500-cert 1.11.2.Final

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* /opt/ws_local/PERMITS_SQL/1091710704_1600571783.1/0/wildfly-elytron-x500-cert-1-11-2-final-sources-jar/org/wildfly/security/x500/cert/CertUtil.java

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  s.summary      = "A beautiful button copy from Path®"

  s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPPathButton born :) 
DESC

  s.homepage     = "https://github.com/Tangdixi/DCPathButton"

  s.license      = {
    :type => 'MIT',
    :text => 'The DCPPathButton use the MIT license'
  }

  s.author             = { "Tangdixi" => "Tangdixi@gmail.com" }

  s.platform     = :ios, '7.0'

  s.source       = {
    :git => "https://github.com/Tangdixi/DCPathButton.git",
    :tag => "2.1.1"
  }

  s.source_files  = 'DCPathButton/Classes/*.{h,m}'

  s.resources  = ['DCPathButton/Sounds/*']

  s.frameworks = ['QuartzCore','AudioToolbox']

  s.requires_arc = true

end

Found in path(s):
  * /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton.podspec

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# Acknowledgements
This application makes use of the following third party libraries:
## DCPathButton

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Pods/DCPathButton/README.md

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example/Example/AppDelegate.m
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Open Source Used In Data Center Network Manager 11.5(1) 24127
DCPathButton-39be410/DCPathButtonItem.h  
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButtonItem.m  
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/DCPathButtonItem.m  
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButtonItem.h  
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will operate properly with a modified version of the library, if
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1.2743 rkit 0.11-10.el7
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1.2752 microprofile-opentracing-api 1.1

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VERSION: 2.1 PoliMorf
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http://wiki.apache.org/solr/CommitterInfo
noggit

https://github.com/yonik/noggit
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David Megginson, david@megginson.com
2000-05-05
Janino - An embedded Java [TM] compiler

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999).

The textbook (containing a proof that the shuffle is uniformly random) is available here:
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Version 1.1

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which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>).

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
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You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In `schema.xml`, it's very simple to make copies of fields:

[source,xml]
----
<copyField source="cat" dest="text" maxChars="30000" />
----

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before understanding-analyzers-tokenizers-and-filters.adoc#understanding-analyzers-tokenizers-and-filters,analysis is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.
The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field:

[source,xml]
----
<copyField source="*_t" dest="text" maxChars="25000" />
----

[IMPORTANT]
-----
The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

------

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., you cannot copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:

[source,xml]
----
<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>
----

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XZ for Java 1.0 (2011-10-22)

http://tukaani.org/xz/java.html

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Lasse Collin and others, XZ for Java (http://tukaani.org/xz/java.html)

java-libpst is a pure java library for the reading of Outlook PST and OST files.
   https://github.com/rjohnsondev/java-libpst

JMatIO is a JAVA library to read/write/manipulate with Matlab binary MAT-files.
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boilerpipe

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# Jackson JSON processor

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

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### Jdom-contrib version 1.1.3

The JTS tests module contains source from JDOM Contrib 1.1.3 which is available under the Jdom License [1]. The two files are LineNumberElement.java and LineNumberSAXHandler.java.
Typical users of this library will not need to depend on this module.


### GeoTools

JTS includes some code from the GeoTools project. This code has been licensed to the JTS project under the OSGeo BSD License [2] by the GeoTools PSC [3,4].


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NekoHTML is a simple HTML scanner and tag balancer that enables application programmers to parse HTML documents and access the information using standard XML interfaces. The parser can scan HTML files and "fix up" many common mistakes that human (and computer) authors make in writing HTML documents. NekoHTML adds missing parent elements; automatically closes elements with optional end tags; and can handle mismatched inline element tags.

NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or rewriting code.

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

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

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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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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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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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Otherwise, if the work is a derivative of the Library, you may
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6. As an exception to the Sections above, you may also combine or
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1.2785 polkit-pkla-compat 0.1-4.el7

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

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/**
 * Indicates that a component is only eligible for registration when all
 * { @linkplain #value specified conditions} match.
 *
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 *
 * <p>The { @code @Conditional} annotation may be used in any of the following ways:
* `<ul>`
* `<li>` as a type-level annotation on any class directly or indirectly annotated with
* `{@code @Component}`, including `{@link Configuration @Configuration}` classes</li>
* `<li>` as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* `<li>` as a method-level annotation on any `{@link Bean @Bean}` method</li>
* `</ul>`

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* `{@link ComponentScan @ComponentScan}` annotations associated with that
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* `<p>`
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* `{@code @Conditional}` itself is not declared as
* `{@link java.lang.annotation.Inherited @Inherited}`; furthermore, any
* custom `<em>` composed annotation`<em>` that is meta-annotated with
* `{@code @Conditional} must not be declared as `{@code @Inherited}`.
* `<p>`
* `{@author Phillip Webb}
* `{@author Sam Brannen}
* `{@since 4.0}
* `{@see Condition}
*/

Found in path(s):
```
/opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-
jar/org/springframework/context/annotation/Conditional.java
```
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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer] reference through WebSphere's proprietary [@code AdminServiceFactory] API, available on WebSphere 5.1 and higher.

* `<p>Exposes the [@code MBeanServer] for bean references. This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean], which uses standard JMX 1.2 API to access the platform's MBeanServer.

* `<p>See the javadocs for WebSphere's [@code AdminServiceFactory] and [@code MBeanFactory].

* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/cache/interceptor/BeanFactoryCacheOperationSourceAdvisor.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-
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* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/jmx/access/ConnectorDelegate.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/validation/context/annotation/ContextAnnotationAutowireCandidateResolver.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/support/GenericGroovyApplicationContext.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/jndi/TypeMismatchNamingException.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/scripting/ScriptCompilationException.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/instrument/classloading/websphere/WebSphereLoadTimeWeaver.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/cache/interceptor/SimpleCacheResolver.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/i18n/SimpleTimeZoneAwareLocaleContext.java
* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/support/ConversionServiceFactoryBean.java
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* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/ejb/access/SimpleRemoteStatelessSessionProxyFactoryBean.java
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* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/AnnotationConfigApplicationContextExtensions.kt
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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-
jar/org/springframework/format/Formatter.java
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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/ui/ModelExtensions.kt

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*/
/**
* Abstract the invocation of a cache operation.
* 
* <p>Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
* 
* @author Stephane Nicoll
* @since 4.1
*/

Found in path(s):
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-
jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

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jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/Description.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/ImportSelector.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/Lazy.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/ScopedProxyMode.java

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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1- jar/org/springframework/context/ApplicationContextInitializer.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1- jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1- jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1- jar/org/springframework/context/annotation/ImportAware.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1- jar/org/springframework/context/annotation/BeanMethod.java

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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/context/annotation/Primary.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/scripting/bsh/BshScriptFactory.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/format/datetime/standard/PeriodFormatter.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeContextHolder.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/jmx/export/MBeanExportOperations.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/context/LifecycleProcessor.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1-jar/org/springframework/context/support/Caching.java
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* /opt/cola/permits/110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/jndi/JndiPropertySource.java
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jar/org/springframework/remoting/rmi/RmiClientInterceptorUtils.java
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jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/format/AnnotationFormatterFactory.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/context/annotation/ScannedGenericBeanDefinition.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/cache/annotation/CacheAnnotationParser.java
* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/cache/config/CacheManagementConfigUtils.java
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* /opt/cola/permits/1110677025_1606843962.29/0/spring-context-5-0-8-release-sources-1.jar/org/springframework/format/datetime/joda/JodaTimeConverters.java
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1.2793 pflag 1.0.5

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1.2794 coreapi 1.4.11.Final

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```java
private boolean confidential;

public ConfigProperty(String name, boolean dynamic, boolean confidential) {
    this.confidential = confidential;
    sb.append("confidential=").append(confidential);
}
```

1.2795 lucene-backward-codecs 5.5.5

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* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/reader/XmlReader.java
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* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/MXParserFactory.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/events/CharactersEvent.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/util/SymbolTable.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/events/EndDocumentEvent.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/ReaderDelegate.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/ReaderToWriter.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/ReadOnlyNamespaceContextBase.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/filters/TypeFilter.java
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  jar/com/bea/xml/stream/SubReader.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/events/CommentEvent.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/EventReaderFilter.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/XMLEventReaderBase.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/util/CircularQueue.java
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  jar/com/bea/xml/stream/XMLEventAllocatorBase.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/EventFactory.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/XMLStreamPlayer.java
* /opt/cola/permits/1000096794_1607114830.77/0/stax-1-2-0-sources-1-
  jar/com/bea/xml/stream/events/NamedEvent.java
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  jar/com/bea/xml/stream/util/ElementTypeNames.java
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  * $Id: Predicate.java,v 1.14 2007/05/02 14:27:46 elharo Exp $
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* $Id: DefaultMultiplicativeExpr.java,v 1.9 2006/02/05 21:47:40 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/AnyNodeTest.java,v 1.8 2006/02/05
  21:47:42 elharo Exp $
* $Revision: 1.8 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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  * $Id: EndsWithFunction.java,v 1.7 2006/02/05 21:47:42 elharo Exp $
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/PatternParser.java,v 1.18 2006/02/05
21:47:42 elharo Exp $
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jar/org/jaxen/expr/DefaultFilterExpr.java
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16:21:05 elharo Exp $
* $Revision: 1.6 $
* $Date: 2006/11/09 16:21:05 $
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* $Id: EqualityExpr.java,v 1.6 2006/11/09 16:21:05 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/EqualityExpr.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/NameTest.java,v 1.7 2006/02/05
21:47:42 elharo Exp $
* $Revision: 1.7 $
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* $Id: NameTest.java,v 1.7 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/pattern/NameTest.java
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 * $Revision: 1.16 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Id: Token.java,v 1.5 2006/02/05 21:47:42 elharo Exp $
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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/base/Token.java
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* $Revision: 1.10 $
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* $Id: LocaleFunctionSupport.java,v 1.10 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/function/ext/LocaleFunctionSupport.java
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* $Id: SAXPathEventSource.java,v 1.5 2006/02/05 21:47:42 elharo Exp $
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* $Revision: 1.9 $
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$Id: IterableChildAxis.java,v 1.11 2006/06/03 20:50:12 elharo Exp$

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/util/FollowingSiblingAxisIterator.java

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* $Id: XPathFactory.java,v 1.13 2007/05/02 14:32:38 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/XPathFactory.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/LastFunction.java,v 1.10 2006/02/05
  21:47:41 elharo Exp $
* $Revision: 1.10 $
* $Date: 2006/02/05 21:47:41 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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20:19:54 elharo Exp $
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* $Id: SimpleVariableContext.java,v 1.19 2006/06/03 20:19:54 elharo Exp $
* /

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/SimpleVariableContext.java
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 * elharo Exp $
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/NodeTypeTest.java,v 1.8 2006/02/05
21:47:42 elharo Exp$
* $Revision: 1.8$
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* $Id: NodeTypeTest.java,v 1.8 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/pattern/NodeTypeTest.java
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/XPathExpr.java
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* $Id: DefaultXPathFactory.java,v 1.17 2006/11/09 16:07:36 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Id: BinaryExpr.java,v 1.8 2006/11/09 16:21:04 elharo Exp $
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21:47:42 elharo Exp $
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$Id: DefaultNavigator.java,v 1.19 2006/02/05 21:47:41 elharo Exp$

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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/iter/IterableAttributeAxis.java

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$Id$

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jar/org/jaxen/expr/IdentitySet.java
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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/FunctionContext.java,v 1.10 2006/02/05
21:47:41 elharo Exp $
 * $Revision: 1.10 $
 * $Date: 2006/02/05 21:47:41 $
 *
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* $Id: FunctionContext.java,v 1.10 2006/02/05 21:47:41 elharo Exp $
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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/FunctionContext.java
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* 2006/11/30 18:49:27 elharo Exp $
* $Revision: 1.14 $
* $Date: 2006/11/30 18:49:27 $
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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/expr/DefaultGreaterThanEqualExpr.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/NumberFunction.java,v 1.18
2006/02/05 21:47:41 elharo Exp $
* $Revision: 1.18 $
* $Date: 2006/02/05 21:47:41 $
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* $Id: NumberFunction.java,v 1.18 2006/02/05 21:47:41 elharo Exp $
*/

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/function/NumberFunction.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/UnionPattern.java,v 1.8 2006/02/05
* 21:47:42 elharo Exp $
* $Revision: 1.8 $
* $Date: 2006/02/05 21:47:42 $
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  * $Id: UnionPattern.java,v 1.8 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/pattern/UnionPattern.java
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* $Revision: 1.13 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/DefaultEqualsExpr.java
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/*
2006/06/03 20:50:12 elharo Exp $
* $Revision: 1.7 $
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$Id: IterableAncestorAxis.java,v 1.11 2006/02/05
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jar/org/jaxen/function/SumFunction.java
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   * $Revision: 1.9 $
   * $Date: 2006/02/05 21:47:41 $
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* $Id: NamespaceNode.java,v 1.25 2006/07/03 11:14:05 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/dom/NamespaceNode.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/NoNodeTest.java,v 1.7 2006/02/05
21:47:42 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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$Id: DocumentNavigator.java,v 1.57 2007/05/05 18:08:55 elharo Exp$

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* $Id: IterableSelfAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/iter/IterableSelfAxis.java
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  11:58:31 elharo Exp $
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* $Date: 2006/07/03 11:58:31 $
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* $Id: VariableContext.java,v 1.11 2006/07/03 11:58:31 elharo Exp$
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/VariableContext.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/IdFunction.java,v 1.13 2006/02/05
* 21:47:41 elharo Exp$

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shanishani-1-4-17-sources-jar/org/jaxen/expr/CommentNodeStep.java
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* $Id: Axis.java,v 1.8 2006/03/30 13:56:36 elharo Exp $
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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/NotFunction.java,v 1.9 2006/02/05
 * 21:47:41 elharo Exp $
 * $Revision: 1.9 $
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* $Id: NotFunction.java,v 1.9 2006/02/05 21:47:41 elharo Exp $
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$Id: IterableAxis.java,v 1.9 2006/02/05 21:47:42 elharo Exp $
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  jar/org/jaxen/expr/iter/IterableAxis.java
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  11:07:25 elharo Exp $
* $Revision: 1.13 $
* $Date: 2006/07/16 11:07:25 $
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* $Revision: 1.6$
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* $Id: BaseXPath.java,v 1.50 2007/04/16 15:44:37 elharo Exp $
*/

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/BaseXPath.java
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/function/SubstringFunction.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/projects/jaxen/rev/shani-1.17-jaxen-1.1.1-Patched/expr/DefaultStep.java,v 1.21 2006/02/05
21:47:40 elharo Exp $
* $Revision: 1.21 $
* $Date: 2006/02/05 21:47:40 $
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$/Id: DefaultStep.java,v 1.21 2006/02/05 21:47:40 elharo Exp$

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultStep.java

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* $Id: CeilingFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/function/CeilingFunction.java
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/DefaultDivExpr.java

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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/StringFunction.java,v 1.33 2006/02/05
  21:47:41 elharo Exp $
* $Revision: 1.33 $
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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/DefaultXPathExpr.java,v 1.9 2006/06/03
  20:52:26 elharo Exp $
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* $Id: PositionFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/PositionFunction.java

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/DefaultMultiplyExpr.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/javabean/JavaBeanXPath.java,v 1.6 2006/06/03
  20:36:00 elharo Exp $
* $Revision: 1.6 $
* $Date: 2006/06/03 20:36:00 $
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  jar/org/jaxen/javabean/JavaBeanXPath.java
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$Id: IterablePrecedingAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp$

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* $Id: QualifiedName.java,v 1.12 2006/06/01 13:19:30 elharo Exp $
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  jar/org/jaxen/QualifiedName.java
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$Id: NameStep.java,v 1.5 2006/11/08 17:10:02 elharo Exp $

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/util/DescendantAxisIterator.java
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultLessThanEqualExpr.java
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$Id: TranslateFunction.java,v 1.10 2006/02/05 21:47:41 elharo Exp$

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$Id: DefaultProcessingInstructionNodeStep.java,v 1.18 2007/01/06 12:21:12 elharo Exp $

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultProcessingInstructionNodeStep.java

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/ext/LowerFunction.java
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$Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/DefaultAbsoluteLocationPath.java,v 1.18
2006/11/30 18:49:27 elharo Exp $
* $Revision: 1.18 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/DefaultAbsoluteLocationPath.java
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* $Id: ProcessingInstructionNodeStep.java,v 1.5 2006/11/08 15:44:33 elharo Exp$
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/expr/ProcessingInstructionNodeStep.java
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* jar/org/jaxen/expr/DefaultUnionExpr.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/util/SelfAxisIterator.java,v 1.10 2007/05/02
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* $Revision: 1.7 $
* $Date: 2006/11/08 19:06:30 $
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* $Id: UnaryExpr.java,v 1.7 2006/11/08 19:06:30 elharo Exp $
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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/UnaryExpr.java
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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/XPathFunctionContext.java
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* $Id: TokenTypes.java,v 1.12 2006/02/05 21:47:42 elharo Exp $
* />

Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/base/TokenTypes.java
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* $Id: XPathSyntaxException.java,v 1.12 2006/06/03 20:26:36 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/XPathSyntaxException.java
No license file was found, but licenses were detected in source scan.

/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/util/PrecedingAxisIterator.java,v 1.11
  2006/11/13 22:10:09 elharo Exp $
* $Revision: 1.11 $
* $Date: 2006/11/13 22:10:09 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/util/PrecedingAxisIterator.java
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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/PatternHandler.java,v 1.8 2006/02/05 21:47:42 elharo Exp $
 * $Revision: 1.8 $
 * $Date: 2006/02/05 21:47:42 $
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 * $Id: PatternHandler.java,v 1.8 2006/02/05 21:47:42 elharo Exp $
Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources.jar/org/jaxen/pattern/PatternHandler.java
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* $Id: SubstringBeforeFunction.java,v 1.10 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/SubstringBeforeFunction.java
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$Id: IterableDescendantAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $

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/opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
ar/jaxen/expr/iter/IterableDescendantAxis.java

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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/DefaultTextNodeStep.java
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* $Id: SAXPathException.java,v 1.14 2006/06/03 20:28:45 elharo Exp$
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  jar/org/jaxen/saxpath/SAXPathException.java
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  21:47:40 elharo Exp $
 * $Revision: 1.8 $
 * $Date: 2006/02/05 21:47:40 $
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DefaultLogicalExpr.java,v 1.8 2006/02/05 21:47:40 elharo Exp $

DefaultTruthExpr.java,v 1.10 2006/02/05 21:47:40 elharo Exp $
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jar/org/jaxen/function/NormalizeSpaceFunction.java
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* $Id: UnresolvableException.java,v 1.7 2006/06/03 20:21:05 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/UnresolvableException.java

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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/NodeTest.java,v 1.6 2006/02/05
 * 21:47:42 elharo Exp $
 * $Revision: 1.6 $
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* $Id: CountFunction.java,v 1.14 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Id: SimpleNamespaceContext.java,v 1.18 2006/06/03 20:19:26 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/SimpleNamespaceContext.java
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Id: IterableFollowingSiblingAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $
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* $Id: FollowingAxisIterator.java,v 1.8 2006/11/09 18:20:12 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/util/FollowingAxisIterator.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/FloorFunction.java,v 1.11 2006/02/05
  21:47:41 elharo Exp $
* $Revision: 1.11 $
* $Date: 2006/02/05 21:47:41 $
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Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/function/FloorFunction.java

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$Id: Context.java,v 1.20 2006/10/15 21:08:16 elharo Exp $

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 * $Revision: 1.9 $
 * $Date: 2006/11/08 16:37:59 $
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* $Id: FunctionCallExpr.java,v 1.9 2006/11/08 16:37:59 elharo Exp$
*/

Found in path(s):
* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/saxpath/base/Verifier.java
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* $Revision: 1.9 $
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$Id: XPathReaderFactory.java,v 1.9 2006/09/15 20:41:38 elharo Exp $

Found in path(s):
/opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/saxpath/helpers/XPathReaderFactory.java
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* $Id: DefaultLocationPath.java,v 1.29 2006/02/05 21:47:40 elharo Exp $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultLocationPath.java
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jar/org/jaxen/expr/Predicated.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/Namespacetest.java,v 1.6 2006/02/05
21:47:42 elharo Exp $
* $Revision: 1.6 $
* $Date: 2006/02/05 21:47:42 $
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* /opt/cola/permits/1001068705_1607110532.46/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/pattern/NamespaceTest.java
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jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
*/
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.java
*/
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
*/
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.2826 jackson-databind 2.8.11.3

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# Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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1.2831 batik-js 1.8

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```yaml
import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

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* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/savedrequest/SavedRequestAwareWrapper.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/session/HttpSessionCreatedEvent.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/savedrequest/DefaultSavedRequest.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/access/WebInvocationPrivilegeEvaluator.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/session/HttpSessionCreatedEvent.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/authentication/logout/SecurityContextLogoutHandler.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/authENTICATION/logout/SecurityContextLogoutHandler.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/session/HttpSessionCreatedEvent.java
* /opt/cola/permits/1091710970_1607116214.8/0/spring-security-web-3-1-4-release-sources-1.jar/org/springframework/security/web/access/AccessDeniedHandler.java
1.2837 perl-pod-perldoc 3.20-4.el7

1.2837.1 Available under license:

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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
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<one line to give the program's name and a brief idea of what it does.>
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when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
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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
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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
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necessary. Here a sample; alter the names:

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

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

That's all there is to it!

1.2838 libjpeg-turbo 1.2.90 8.el7

1.2838.1 Notifications :
This software is based in part on the work of the Independent JPEG Group.

1.2838.2 Available under license :
The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG
Group's free JPEG software. You are welcome to redistribute this software and
to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into
larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to
our electronic mailing list. Mailing list members are notified of updates
and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher,
Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi,
Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG
Group.
IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.
LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.
REFERENCES          Where to learn more about JPEG.
ARCHIVE LOCATIONS   Where to find newer versions of this software.
RELATED SOFTWARE    Other stuff you should get.
FILE FORMAT WARS    Software *not* to get.
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
- install.doc       How to configure and install the IJG software.
- usage.doc         Usage instructions for cjpeg, djpeg, jpegtran, rdjppcom, and wrjppcom.
- *.1               Unix-style man pages for programs (same info as usage.doc).
- wizard.doc        Advanced usage instructions for JPEG wizards only.
- change.log        Version-to-version change highlights.

Programmer and internal documentation:
- libjpeg.doc       How to use the JPEG library in your own programs.
- example.c         Sample code for calling the JPEG library.
- structure.doc     Overview of the JPEG library's internal structure.
- filelist.doc      Road map of IJG files.
- coderules.doc     Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing
"real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, lconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
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REFERENCES
==========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard". Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics)
omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftpsgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2
RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical
advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don’t use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, “poor man’s variable quantization”, and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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1.2840 libjpeg 6b

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OVERVIEW  General description of JPEG and the IJK software.
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REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJK releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJK software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
* .1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJK files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and gray-scale images. JPEG is intended for compressing
"real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part 
of any program generated from the IJG code, this does not limit you more than 
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. 
It is copyright by the Free Software Foundation but is freely distributable. 
The same holds for its supporting scripts (config.guess, config.sub, 
lconfig, ltmain.sh). Another support script, install-sh, is copyright 
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by 
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot 
legally be used without obtaining one or more licenses. For this reason, 
support for arithmetic coding has been removed from the free JPEG software. 
(Since arithmetic coding provides only a marginal gain over the unpatented 
Huffman mode, it is unlikely that very many implementations will support it.) 
So far as we are aware, there are no patent restrictions on the remaining 
code.

The IJG distribution formerly included code to read and write GIF files. 
To avoid entanglement with the Unisys LZW patent, GIF reading support has 
been removed altogether, and the GIF writer has been simplified to produce 
"uncompressed GIFs". This technique does not use the LZW algorithm; the 
resulting GIF files are larger than usual, but are readable by all standard 
GIF decoders.

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REFERENCES
==========

We highly recommend reading one or more of these references before trying to 
understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is 
Wallace, Gregory K. "The JPEG Still Picture Compression Standard", 
Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30–44. 
(Adjacent articles in that issue discuss MPEG motion picture compression, 
applications of JPEG, and related topics.) If you don't have the CACM issue 
handy, a PostScript file containing a revised version of Wallace’s article is 
available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually 
a preprint for an article that appeared in IEEE Trans. Consumer Electronics)
omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftpsgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).

Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design.

Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS

The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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RELATED SOFTWARE

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical
advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.2841 coreos-semver 0.2.0
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/bind/annotation/SessionAttributes.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/filter/CommonsRequestLoggingFilter.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/request/HttpSessionMutexListener.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/http/codec/xml/XmlEventDecoder.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/client/MessageBodyClientHttpResponseWrapper.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/context/support/GenericWebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/http/client/reactive/ReactorClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/http/client/reactive/ServerHttpRequest.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources.jar/org/springframework/web/server/NotAcceptableStatusException.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/ipc/ContextCleanupListener.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/HttpRange.java

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# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
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#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
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#
# MIME type (lowercased)Extensions
# ============================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-insetez
# application/applefile
application/applixwareaw
# application/atf
# application/atfx
application/atom+xml
application/atomcat+xml
application/atomcat
# application/dns
application/docbook+xml
dbk
# application/dskpp+xml
application/dssc+der
dssc
application/dssc+xml
xdssc
# application/dvcs
application/ecmascript
tecma
# application/edi-consent
# application/edi-x12
# application/edifact
# application/edi
# application/emergencycalldata.comment+xml
# application/emergencycalldata.deviceinfo+xml
# application/emergencycalldata.providerinfo+xml
# application/emergencycalldata.serviceinfo+xml
# application/emergencycalldata.subscriberinfo+xml
application/emma+xml
emma
# application/emotionml+xml
# application/encaprt
# application/epp+xml
application/epub+zip	epub
# application/eshop
# application/example
application/exi
# application/fastinfo
# application/fastsoap
# application/fdt+xml
# application/fits
# application/font-sfnt
application/font-tdpfr
tdf
application/font-woff
woff
# application/framework-attributes+xml
# application/geo+json
application/gml+xml
gml
application/gpx+xml
gpx
# application/gzip
# application/h224
# application/held+xml
# application/http
application/hyperstudio
stk
# application/ibe-key-request+xml
# application/ibe-pkg-reply+xml
# application/ibe-pp-data
# application/iges
# application/im-iscomposing+xml
# application/index
# application/index.cmd
# application/index.obj
# application/index.response
# application/index.vnd
application/inkml+xml	ink inkml
# application/iotp
application/ipfix	ipfix
# application/ipp
# application/isup
# application/its+xml
application/java-archive	jar
application/java-serialized-object	ser
application/java-vm	class
application/javascript	js
# application/jose
# application/jose+json
application/jrd+xml
application/json json
# application/json-patch+json
# application/json-sequenc+json
application/jsonml+xml
# application/jwk+json
# application/jwk-set+json
# application/jwt
# application/kpml-request+xml
# application/kpml-response+xml
# application/ld+json
# application/lgr+xml
# application/link-format
# application/load-control+xml
application/lost+xmllostxml
# application/lostsync+xml
# application/lxf
application/mac-binhex40	hqx
application/mac-compactpro
cpt
# application/macwriteii
application/mads+xmlmads
application/marc
application/marcxml+xmlmrcx
application/mathematica mb
application/mathml+xmlmathml
# application/mathml-content+xml
# application/mathml-presentation+xml
# application/mbms-associate+procedure-description+xml
# application/mbms-deregister+xml
# application/mbms-envelope+xml
# application/mbms-msk+xml
# application/mbms-msk-response+xml
# application/mbms-protection-description+xml
# application/mbms-reception-report+xml
# application/mbms-register+xml
# application/mbms-register-response+xml
# application/mbms-schedule+xml
# application/mbms-user-service-description+xml
application/mbox
# application/media-policy-dataset+xml
# application/media_control+xml
application/mediaservercontrol+xml
# application/merge-patch+json
application/metalink+xml
application/metalink4+xml
application/mets+xml
application/mf21
application/mp21
# application/mpeg4-generic
# application/mpeg4-iod
# application/mpeg4-iod-xmt
# application/mrb-consumer+xml
# application/mrb-publish+xml
# application/msc-ivr+xml
# application/msc-mixer+xml
application/msword
# application/mxfs
# application/nasdata
# application/news-checkgroups
# application/news-groupinfo
# application/news-transmission
# application/nlsml+xml
# application/nss
# application/ocsp-request
# application/ocsp-response
application/octet-stream
application/oda
# application/odx
application/odps-package+xmllopf
application/oggogx
application/omdoc+xmllomdoc
application/onenote
application/onenoteetoc2
application/onenetmp
application/onepkg
# application/p2p-overlay+xml
# application/parityfec
application/patch-ops-error+xml
application/pdf
# application/pdx
application/pgp-encrypted
application/pgp-signature
application/pics-rules
# application/pidf+xml
# application/pidf-diff+xml
application/pkcs10
# application/pkcs12
application/pkcs7-mime
application/pkcs7-signature
application/pkcs8
application/pkix-attr-cert
application/pkix-cert
application/pkix-crl
application/pkix-pkipath
application/pls+xml
# application/poc-settings+xml
application/postscript
# application/ppsp-tracker+json
# application/problem+json
# application/problem+xml
# application/provenance+xml
# application/prs.alvestrand.titrax-sheet
application/prs.cww
# application/prs.hpub+xml
# application/prs.nprend
# application/prs.plucker
# application/prs.rdf-xml-crypt
# application/prs.xsf+xml
application/pskc+xml
# application/qsig
# application/raptorfec
# application/rdap+json
application/rdf+xml
application/reginfo+xml
application/relax-ng-compact-syntax
# application/remote-printing
# application/reputon+json
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# application/rlmi+xml
application/ssml+xml
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# application/tamp-community-update-confirm
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# application/tamp-status-response
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# application/ttml+xml
# application/tve-trigger
# application/ulpfec
# application/urc-grpsheet+xml
# application/urc-ressheet+xml
# application/urc-targetdesc+xml
# application/urc-uisocketdesc+xml
# application/vcard+json
# application/vcard+xml
# application/vemmi
# application/vvidence.scriptfile
# application/vnd.3gpp-prose+xml
# application/vnd.3gpp-prose-pc3ch+xml
# application/vnd.3gpp.access-transfer-events+xml
# application/vnd.3gpp.bsf+xml
# application/vnd.3gpp.mid-call+xml
application/vnd.3gpp.pic-bw-large+xml
application/vnd.3gpp.pic-bw-small+xml
application/vnd.3gpp.pic-bw-var+xml
# application/vnd.3gpp.sms
# application/vnd.3gpp.sms+xml
# application/vnd.3gpp.srvcc-ext+xml
# application/vnd.3gpp.srvcc-info+xml
# application/vnd.3gpp.state-and-event-info+xml
# application/vnd.3gpp.ussd+xml
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# application/vnd.3gpp2.sms
application/vnd.3gpp2.tcap
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application/xhtml-voice+xml
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application/xop+xml
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application/xslt+xml
application/xspf+xml
application/xv+xml
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audio/32kadpcm
audio/3gpp
audio/3gpp2
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audio/amr-wb
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audio/basic au snd
audio/bv16
# audio/bv32
# audio/clearmode
# audio/cn
# audio/dat12
# audio/dls
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/convertor/feed/AtomFeedHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/support/AbstractClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/context/support/ClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/http/client/AbstractClientHttpRequest.java

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jar/org/springframework/web/bind/annotation/PatchMapping.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/accept/MediaTypeFileExtensionResolver.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/server/WebExceptionHandler.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/server/session/WebSessionIdResolver.java
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* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-jar/org/springframework/web/multipart/MaxUploadSizeExceededException.java
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* limitations under the License.
*/
/**
* Return the web session for the current request. Always guaranteed to
* return an instance either matching to the session id requested by the
* client, or with a new session id either because the client did not
* specify one or because the underlying session had expired. Use of this
* method does not automatically create a session. See {@link WebSession}
* for more details.
*/

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  jar/org/springframework/http/client/reactive/JettyResourceFactory.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/web/accept/HeaderContentNegotiationStrategy.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/web/filter/RelativeRedirectResponseWrapper.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/web/filter/HttpPutFormContentFilter.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/web/method/ControllerAdviceBean.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/web/method/HandlerTypePredicate.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/web/bind/MissingRequestCookieException.java
* /opt/ws_local/PERMITS_SQL/1069262473_1594595051.62/0/spring-web-5-1-9-release-sources-
  jar/org/springframework/http/client/reactive/JettyResourceFactory.java
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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
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- javaee_web_services_1_4.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
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jar/io/netty/channel/ChannelConfig.java
* /opt/cola/permits/1110676200_1606843873.19/0/netty-transport-4-1-24-final-sources-1-
jar/io/netty/channel/oio/OioByteStreamChannel.java

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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
 *
 * [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 * </ul>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
*  
* For more information, please refer to the documentation of each subtype.
*  
* <h3>The context object</h3>
*  
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* object. A [{@link ChannelPipeline}] it belongs to via a context object. Using the
* context object, the [{@link ChannelHandler}] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [{@link AttributeKey}]s) which is specific to the handler.
*  
* <h3>State management</h3>
*  
* A [{@link ChannelHandler}] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
*  
* public interface Message {
*     // your methods here
* }
*  
* public class DataServerHandler extends [{@link SimpleChannelInboundHandler}Message] {
*     
*     private boolean loggedIn;
*     
*     {Override}
*     public void channelRead0([{@link ChannelHandlerContext} ctx, Message message) {
*         {@link Channel} ch = e.getChannel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ch.write(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*  
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; { 
*     {code @Override}
*     public void initChannel({@link Channel} channel) { 
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* </pre>

* </pre>

* <h4>Using {@link AttributeKey}s</h4>

* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
* <pre>
* public interface Message { 
*     // your methods here 
* }
* 
* {code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; { 
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth = 
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*     
*     {code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) { 
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         {@link Channel} ch = ctx.channel();
*         if (message instanceof LoginMessage) { 
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) { 
*             if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) { 
*                 ch.write(fetchSecret((GetDataMessage) o));
*             } else { 
*                 fail();
*             }
*         }
*     }
* }
* 
* </pre>
Now that the state of the handler is attached to the `@link ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends `@link ChannelInitializer`<`@link Channel`> {

    private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();

    `@code @Override`
    public void initChannel(`@link Channel` channel) {
        channel.pipeline().addLast("handler", <b>SHARED</b>);
    }
}
```

<h4>The `@Sharable` annotation</h4>

In the example above which used an `@link AttributeKey`,
you might have noticed the `@code @Sharable` annotation.

If a `@link ChannelHandler` is annotated with the `@code @Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `@link ChannelPipeline`s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Additional resources worth reading

Please refer to the `@link ChannelHandler`, and `@link ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline}. 
 *
 * Sub-types
 *
 * [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 *
 * <ul>
 * <li> [ @link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li> [ @link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * <ul>
 * </p>
 * </p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li> [ @link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 * <li> [ @link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 * <li> [ @link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 * <ul>
 * </p>
 * </p>
 * For more information, please refer to the documentation of each subtype.
 * </p>
 * 
 * The context object
 */
A `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `@link AttributeKey`)s which is specific to the handler.

<h3>State management</h3>

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends `@link SimpleChannelInboundHandler<Message>` {

    private boolean loggedIn;

    `@Override`
    public void channelRead0(`@link ChannelHandlerContext` ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }

    // Create a new handler instance per channel.
    // See `@link ChannelInitializer#initChannel(Channel)`.

    public class DataServerInitializer extends `@link ChannelInitializer<Channel>` {
        `@Override`
        public void initChannel(`@link Channel` channel) {
            channel.pipeline().addLast("handler", new DataServerHandler());
        }
```
**Using `AttributeKey`**s

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}
```

```java
@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        } ...
    }
}
```

Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
}
```
### The `@Sharable` annotation

In the example above which used an `AttributeKey`, you might have noticed the `@Sharable` annotation.

If a `ChannelHandler` is annotated with the `@Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `ChannelPipeline`s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

---

**Additional resources worth reading**

Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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jar/io/netty/channel/AbstractCoalescingBufferQueue.java

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*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
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*/opt/ws_local/PERMITS_SQL/1068271564_1594338139.69/0/netty-transport-4-1-45-final-sources-1-
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jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
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jar/io/netty/channel/DefaultMessageSizeEstimator.java
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jar/io/netty/channel/null/ChannelProgressivePromise.java
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jar/org/springframework/http/server/RequestPath.java
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* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1.jar/org/springframework/web/multipart/MultipartFile.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1.jar/org/springframework/web/bind/MissingMatrixVariableException.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1.jar/org/springframework/web/context/request/async/StandardServletAsyncWebRequest.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1.jar/org/springframework/web/context/request/FacesRequestAttributes.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1.jar/org/springframework/web/context/request/FacesRequestAttributes.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1.jar/org/springframework/web/context/request/async/StandardServletAsyncWebRequest.java

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jar/org/springframework/web/method/annotation/ModelAttributeMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1-
jar/org/springframework/web/bind/annotation/RequestPart.java
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jar/org/springframework/http/StreamingHttpOutputMessage.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1-
jar/org/springframework/http/codec/ServerSentEvent.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1-
jar/org/springframework/http/ServerSentEventMessage.java

jar/org/springframework/remoting/caucho/SimpleHessianServiceExporter.java

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  jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java
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  jar/org/springframework/web/context/request/RequestContextListener.java
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  jar/org/springframework/web/bind/annotation/RequestMethod.java
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  jar/org/springframework/web/context/request/RequestContextFilter.java
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  jar/org/springframework/util/HttpSessionMutexListener.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1-
  jar/org/springframework/web/server/WebFilterChain.java
* /opt/ws_local/PERMITS_SQL/1068290190_1594346837.78/0/spring-web-5-2-2-release-sources-1-
  jar/org/springframework/web/util/HttpMessage.java
1.2856 zlib 1.2.8

1.2856.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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1.2857 libseccomp 2.4.1-0.el7

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Found in path(s):
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/xml/XmlEventDecoder.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/converter/AbstractHttpMessageConverter.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/json/Jackson2Tokenizer.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/util/UriComponentsBuilder.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/client/MessageBodyClientHttpResponseWrapper.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/multipart/MultipartHttpMessageReader.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/json/AbstractJackson2Decoder.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/xml/Jaxb2XmlEncoder.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/client/reactive/JettyClientHttpResponse.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/server/reactive/UndertowServerHttpRequest.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/ClientHttpRequest.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/client/RestTemplate.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/Codec/EncoderHttpMessageWriter.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/converter/BufferedImageHttpMessageConverter.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/ReadOnlyHttpHeaders.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/multipart/MultipartHttpMessageWriter.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/server/ServerHttpRequest.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/util/HierarchicalUriComponents.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/codec/json/AbstractJackson2Encoder.java
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/http/server/reactive/AbstractServerHttpRequest.java

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

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 * limitations under the License.
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Found in path(s):
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-
No license file was found, but licenses were detected in source scan.

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* limitations under the License.
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Found in path(s):
* /opt/cola/permits/1110675629_1606843780.99/0/spring-web-5-1-6-release-sources-jar/org/springframework/web/filter/ServletContextRequestLoggingFilter.java

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

# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
#
# MIME type (lowercased)Extensions
# ==============================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
# application/andrew-insetez
# application/applefile
# application/applixwareaw
# application/atf
# application/afx
application/atom+xml
# application/dit
# application/dns
application/docbook+xml
# application/dskpp+xml
application/dssc+der
application/dssc+xml
# application/dvcs
application/ecmascript
# application/edi-consent
# application/edi-x12
# application/edifact
# application/efi
# application/emergencycalldata.comment+xml
# application/emergencycalldata.deviceinfo+xml
# application/emergencycalldata.providerinfo+xml
# application/emergencycalldata.serviceinfo+xml
# application/emergencycalldata.subscriberinfo+xml
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# application/emotionml+xml
# application/encaprtp
# application/epp+xml
application/epub+zip
# application/eshop
# application/example
application/exi
# application/fastinfoset
# application/fastsoap
# application/fdt+xml
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application/gpx+xml
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# application/gzip
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# application/ibe-pkg-reply+xml
# application/ibe-pp-data
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# application/im-iscomposing+xml
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# application/vnd.ecowin.seriesupdate
# application/vnd.emclient.accessrequest+xml
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# application/vnd.enphase.envoy
# application/vnd.epimesh.data+xml
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# application/vnd.wv.csp+xml
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* org.eclipse.jetty.orbit:javax.mail.glassfish
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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

Oracle OpenJDK

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* java.sun.security.ssl

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

OW2

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

Apache

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

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2869 python-schedutils 0.4-6.el7

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1.2870 jung-api 2.0.2-SNAPSHOT

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1.2871 tomcat-embed-websocket 9.0.14

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

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

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

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

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CECILL-1.1
CECILL-2.0
CECILL-2.1
CECILL-B
GL2PS
Glide
Glulxe
gnuplot
GPL-1.0-only
GPL-1.0-or-later
GPL-2.0-only
GPL-2.0-or-later
GPL-3.0-only
GPL-3.0-or-later
gSOAP-1.3b
HaskellReport
HPND
IBM-pibs
ICU
IJG
ImageMagick
iMatix
Imlib2
Info-ZIP
Intel-ACPI
Intel
Interbase-1.0
IPA
IPL-1.0
ISC
JasPer-2.0
JSON
LAL-1.2
LAL-1.3
Latex2e
Leptonica
LGPL-2.0-only
LGPL-2.0-or-later
LGPL-2.1-only
LGPL-2.1-or-later
LGPL-3.0-only
LGPL-3.0-or-later
LGPLLLR
Libpng
libtiff
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LiLiQ-R-1.1
LiLiQ-Rplus-1.1
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LPL-1.02
LPPL-1.0
LPPL-1.1
LPPL-1.2
LPPL-1.3a
LPPL-1.3c
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MIT-CMU
MIT-enna
MIT-feh
MIT
MITNFA
Motosoto
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MPL-1.1
MPL-2.0-no-copyleft-exception
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MS-RL
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NTP
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SCEA
Sendmail
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