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The
=== information may even be contained in the headers of the files
themselves.
===

```

=====
=

=== Jar:micronaut-core.jar File:./micronaut-core/.../
EntryWeigher.java/ ===

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components,
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need to
=== have multiple copies of the same license text, or indicate the
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=== type if the license text is already provided for another
dependency.
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MUST
=== have separate business approvals for each dependency. You may use
the
=== "Fourth-Party Dependencies" section below to identify those other
LTs.
===

```

```

=====
=

== Name: ==
aopalliance.jar
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-----
(separator)-----
== Name: ==
logback-classic.jar
== License Type ==
EPL 1.0, LGPL 2.1
== Copyright Notices ==

-----
(separator)-----
== Name: ==
logback-core.jar
== License Type ==
EPL 1.0, LGPL 2.1
== Copyright Notices ==
== Jar:logback-classic.jar File:./logback-classic/.../
PrefixCompositeConverter.java/ ==

/**
 * Logback: the reliable, generic, fast and flexible logging framework.
 * Copyright (C) 1999-2021, QOS.ch. All rights reserved.
 *
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 */

-----
(separator)-----
== Name: ==
classmate.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:classmate.jar File:./classmate.jar/.../NOTICE/ ==

Java ClassMate library was originally written by Tatu Saloranta

```

(tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

```
-----  
(separator)-----  
== Name: ==  
jackson-annotations.jar  
== License Type ==  
Apache 2.0  
== Copyright Notices ==  
== Jar:jackson-annotations.jar File:./jackson-annotations/.../  
pom.xml/ ==  
  <licenses>  
    <license>  
      <name>The Apache Software License, Version 2.0</name>  
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>  
    </license>  
  </licenses>  
  <!-- 20-Oct-2020, tatu: [annotations#178] copy full LICENSE from  
main dir -->
```

```
-----  
(separator)-----  
== Name: ==  
jackson-core.jar  
== License Type ==  
Apache 2.0  
== Copyright Notices ==
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```
-----  
(separator)-----  
== Name: ==  
jackson-databind.jar  
== License Type ==  
Apache 2.0  
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== Jar:jackson-core.jar File:./jackson-core/.../Base64Variant.java/ ==
```

```
/* Jackson JSON-processor.  
 *  
 * Copyright (c) 2007- Tatu Saloranta, tatu.saloranta@iki.fi  
 */
```

```
-----  
(separator)-----  
== Name: ==
```

```

jackson-datatype-jdk8.jar
== License Type ==
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-----
(separator)-----
== Name: ==
jackson-datatype-jsr310.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:jackson-datatype-jsr310.jar File:./jackson-datatype-jsr310/.../
DecimalUtils.java/ ==

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(separator)-----
== Name: ==
caffeinejar
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== Jar:caffeine.jar File:./caffeine/.../FD.java/ ==

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```
-----
(separator)-----
== Name: ==
docker-java-api2.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:docker-java-api2.jar File:./docker-java-api2/.../
HealthCheck.java/ ==

/*
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 */
```

```
-----
(separator)-----
== Name: ==
docker-java-transport-zero-dep2.jar
== License Type ==
Apache 2.0
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== Jar:docker-java-transport-zero-dep2.jar File:./docker-java-
transport-zero-dep/.../NOTICE.txt/ ==
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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from http://aspell.net/test/orig/batch0.tab.
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==

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== Jar:docker-java-transport-zerodep.jar File:./docker-java-transport-zerodep/.../PureJavaCrc32C.java/ ==

```
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*/
```

```
-----
(separator)-----
== Name: ==
docker-java-transport.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:docker-java-transport.jar File:./docker-java-transport/.../
AbstractSocket.java/ ==
```

```
/*
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```

```
-----
(separator)-----
== Name: ==
jcip-annotations.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:jcip-annotations.jar File:./jcip-annotations/.../
GuardedBy.java/ ==
```

```
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*/
```

```
-----
(separator)-----
== Name: ==
jsr305.jar
== License Type ==
Creative Commons 2.5
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```

```

== Jar:jsr305.jar File:./jsr305/.../GuardedBy.java/ ==

/*
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 * (http://creativecommons.org/licenses/by/2.5)
 * Official home: http://www.jcip.net
 */

-----
(separator)-----
== Name: ==
gson.jar
== License Type ==
Apache 2.0
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== Jar:gson.jar File:./gson/.../GsonBuildConfig.java/ ==

/*
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 */

-----
(separator)-----
== Name: ==
error_prone_annotations.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:error_prone_annotations.jar File:./error_prone_annotations/.../
CheckReturnValue.java/ ==

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*/
```

```
-----
(separator)-----
== Name: ==
failureaccess.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
```

```
-----
(separator)-----
== Name: ==
guava-30.1-jre.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:guava-30.1-jre.jar  File:./guava-30.1-jre/.../Java8Usage.java/
==
```

```
/*
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```

```
-----
(separator)-----
== Name: ==
guava-30.1.1-jre.jar
```

```

== License Type ==
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== Copyright Notices ==

-----
(separator)-----
== Name: ==
listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar
== License Type ==
== Copyright Notices ==

-----
(separator)-----
== Name: ==
j2objc-annotations.jar
== License Type ==
Apache 2.0
== Copyright Notices ==

== Jar:j2objc-annotations.jar File:./j2objc-annotations/.../
AutoreleasePool.java/ ==

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 */

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(separator)-----
== Name: ==
protobuf-java.jar
== License Type ==
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== Jar:protobuf-java.jar File:./protobuf-java/.../
AbstractMessage.java/ ==

// Protocol Buffers - Google's data interchange format
// Copyright 2008 Google Inc. All rights reserved.
// https://developers.google.com/protocol-buffers/

```

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```

```

-----
(separator)-----
== Name: ==
okhttp.jar
== License Type ==
Apache 2.0
== Copyright Notices ==

== Jar:okhttp.jar File:./okhttp/.../Android10SocketAdapter.kt/ ==

```

```

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 *

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```
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*/
```

```
== Jar:okhttp.jar File:./okhttp/.../NOTICE/ ==
Note that publicsuffices.gz is compiled from The Public Suffix List:
https://publicsuffix.org/list/public_suffix_list.dat
```

```
It is subject to the terms of the Mozilla Public License, v. 2.0:
https://mozilla.org/MPL/2.0/
```

```
== Jar:okhttp.jar File:./okhttp/.../Platform.kt/ ==
```

```
/*
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 * Copyright (C) 2012 The Android Open Source Project
 *
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```

```
== Jar:okhttp.jar File:./okhttp/.../Huffman.kt/ ==
```

```
/*
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implied.
```

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*/

(separator)-----
== Name: ==
okio.jar
== License Type ==
Apache 2.0
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== Jar:okio.jar File:./okio/.../-Platform.kt/ ==

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(separator)-----
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circuitbreaker/.../CircuitBreakerStateMachine.java/ ==

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AbstractRegistry.java/ ==
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ByteBufAllocatorConfiguration.java/ ==

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 *MapClaims.java
 * Note: rewritten to standard Java 8 DateTime by zemiak (c) 2016

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* Forked from: <https://github.com/frode-carlsen/cron>
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ClientSslConfiguration.java/ ==

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```
-----
(separator)-----
== Name: ==
jakarta.inject-api.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:jakarta.inject-api.jar File:./jakarta.inject-api/.../pom.xml/
==
```

```
<licenses>
  <license>
    <name>The Apache Software License, Version 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
  </license>
</licenses>
  <include>LICENSE.txt</include>
Copyright © 1999, 2018, 2020 Eclipse Foundation.<br>
```

```
-----
(separator)-----
== Name: ==
jakarta.validation-api.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
```

```
== Jar:jakarta.validation-api.jar File:./jakarta.validation-api/.../
pom.xml/ ==
```

```
~ License: Apache License, Version 2.0
~ See the license.txt file in the root directory or <http://
www.apache.org/licenses/LICENSE-2.0>.
```

```
<licenses>
  <license>
    <name>Apache License 2.0</name>
    <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
  </license>
</licenses>
```

```
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target="_top">EFSL</a>; this spec is based on material that is
licensed under the Apache License, version 2.0.]]>
```

```
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(separator)-----
```

```
== Name: ==
jakarta.ws.rs-api.jar
== License Type ==
EPL 2.0, GPL2 with CPE
== Copyright Notices ==
== Jar:jakarta.ws.rs-api.jar File:./jakarta.ws.rs-api/.../NOTICE.md/
==
```

```
# Notices for the Jakarta RESTful Web Services Project
```

```
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```

```
* Project home: https://projects.eclipse.org/projects/ee4j.jaxrs
```

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Source Code

The project maintains the following source code repositories:

* <https://github.com/eclipse-ee4j/jaxrs-api>

Third-party Content

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javaee-api (7.0)

* License: Apache-2.0 AND W3C

JUnit (4.11)

* License: Common Public License 1.0

Mockito (2.16.0)

* Project: <http://site.mockito.org>

* Source: <https://github.com/mockito/mockito/releases/tag/v2.16.0>

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```
(separator)-----
== Name: ==
jakarta.xml.bind-api.jar
== License Type ==
EDL 1.0
== Copyright Notices ==
== Jar:jakarta.xml.bind-api.jar File:./jakarta.xml.bind-api/.../
NOTICE.md/ ==

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* https://github.com/eclipse-ee4j/jaxb-api

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the import,
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this is
permitted.

```
-----  
(separator)-----  
== Name: ==  
jakarta.xml.bind-api.jar  
== License Type ==  
EDL 1.0  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
javax.activation-api.jar  
== License Type ==  
CDDL, GPL 2.0  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
javax.annotation-api.jar  
== License Type ==  
CDDL + GPLv2 with classpath exception  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
javax.inject-1.jar  
== License Type ==  
Apache 2.0  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
javax.persistence-api.jar  
== License Type ==  
EPL 1.0, EDL 1.0  
== Copyright Notices ==  
-----
```

```
(separator)-----  
== Name: ==  
validation-api.jar  
== License Type ==  
Apache 2.0  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
jaxb-api.jar  
== License Type ==  
CDDL+GPL-1.1, GPL2 with CPE  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
junit.jar  
== License Type ==  
EPL 1.0  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
junit.jar  
== License Type ==  
EPL 1.0  
== Copyright Notices ==
```

```
-----  
(separator)-----  
== Name: ==  
jna.jar  
== License Type ==  
Apache 2.0, LGPL, version 2.1  
== Copyright Notices ==  
== Jar:jna.jar File:./jna/.../Klass.java/ ==
```

```
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*/

```

```

-----
(separator)-----
== Name: ==
accessors-smart.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:accessors-smart.jar File:./accessors-smart/.../pom.xml/ ==
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
    </license>
  </licenses>

```

```

-----
(separator)-----
== Name: ==
json-smart.jar
== License Type ==
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== Jar:json-smart.jar File:./json-smart/.../DefaultMapper.java/ ==

```

```

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*/

```

```
-----
(separator)-----

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== License Type ==
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== Jar:commons-compress.jar File:./commons-compress/.../NOTICE.txt/ ==

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Julian Seward, jseward@acm.org

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PureJavaCrc32C.java/ ==

```
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(separator)-----

```
== Name: ==
commons-lang3.jar
== License Type ==
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== Jar:commons-lang3.jar File:./commons-lang3/.../NOTICE.txt/ ==
```

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(separator)-----  
== Name: ==  
commons-lang3.jar  
== License Type ==  
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(separator)-----  
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== Jar:httpclient.jar File:./httpclient/.../NOTICE/ ==
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-----  
(separator)-----  
== Name: ==  
httpcore.jar  
== License Type ==  
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== Jar:httpcore.jar File:./httpcore/.../NOTICE/ ==
```

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-----  
(separator)-----  
== Name: ==  
libthrift.jar  
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Apache 2.0  
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```

```
-----  
(separator)-----  
== Name: ==  
tomcat-annotations-api.jar  
== License Type ==  
Apache 2.0  
== Copyright Notices ==  
== Jar:tomcat-annotations-api.jar File:./tomcat-annotations-api/.../  
NOTICE/ ==
```

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```
-----  
(separator)-----  
== Name: ==  
tomcat-embed-core.jar  
== License Type ==  
Apache 2.0  
== Copyright Notices ==  
== Jar:tomcat-embed-core.jar File:./tomcat-embed-core/.../  
j2ee_web_services_client_1_1.xsd/ ==
```

```
<?xml version="1.0" encoding="UTF-8"?>  
<!--
```

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(separator)-----
== Name: ==
apiguardian-api.jar
== License Type ==
Apache 2.0
== Copyright Notices ==

-----
(separator)-----
== Name: ==
jose4j.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:jose4j.jar File:./jose4j/.../ConcatKeyDerivationFunction.java/
==

/*
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 */

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(separator)-----
== Name: ==
bcpkix-jdk15on.jar
== License Type ==
== Copyright Notices ==

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```

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(separator)-----
== Name: ==
bcprov-jdk15on.jar
== License Type ==
Bouncy Castle License
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-----
(separator)-----
== Name: ==
bcutil-jdk15on.jar
== License Type ==
== Copyright Notices ==
== Jar:bcprov-jdk15on.jar File:./bcprov-jdk15on/.../
SerpentEngineBase.java/ ==

/**
 * The sboxes below are based on the work of Brian Gladman and
 * Sam Simpson, whose original notice appears below.
 * <p>
 * For further details see:
 * http://fp.gladman.plus.com/cryptography\_technology/serpent/
 */

/* Partially optimised Serpent S Box boolean functions derived */
/* using a recursive descent analyser but without a full search */
/* of all subtrees. This set of S boxes is the result of work */
/* by Sam Simpson and Brian Gladman using the spare time on a */
/* cluster of high capacity servers to search for S boxes with
*/
/* this customised search engine. There are now an average of */
/* 15.375 terms per S
box. */
/*
/* Copyright: Dr B. R Gladman (gladman@seven77.demon.co.uk) */
/* and Sam Simpson (s.simpson@mia.co.uk)
*/
/*
/* 17th December 1998
*/
/*
/* We hereby give permission for information in this file to be */
/* used freely subject only to acknowledgement of its origin. */

-----
(separator)-----
== Name: ==
checker-compat-qual.jar
== License Type ==
Creative Commons 2.5, LGPL
== Copyright Notices ==
== Jar:checker-compat-qual.jar File:./checker-compat-qual/.../

```

```

GuardedBy.java/ ==

/*
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 */

== Jar:checker-compat-qual.jar  File:./checker-compat-qual/.../
Token.java/ ==
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 *
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 */

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(separator)-----
== Name: ==
checker-qual.jar
== License Type ==
MIT License
== Copyright Notices ==

-----
(separator)-----
== Name: ==
checker-qual.jar
== License Type ==

```

```

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-----
(separator)-----
== Name: ==
checker-qual.jar
== License Type ==
MIT License
== Copyright Notices ==

-----
(separator)-----
== Name: ==
animal-sniffer-annotations.jar
== License Type ==
MIT License
== Copyright Notices ==
== Jar:animal-sniffer-annotations.jar File:./animal-sniffer-
annotations/.../IgnoreJRERequirement.java/ ==

/*
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*
*/
```

```
-----
(separator)-----
== Name: ==
hk2-api.jar
== License Type ==
EPL 2.0, GPL2 with CPE
== Copyright Notices ==
```

```
-----
(separator)-----
== Name: ==
hk2-locator.jar
== License Type ==
EPL 2.0, GPL2 with CPE
== Copyright Notices ==
== Jar:hk2-locator.jar File:./hk2-locator/.../
OptionalActiveDescriptor.java/ ==
```

```
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 * https://www.gnu.org/software/classpath/license.html.
 *
 * SPDX-License-Identifier: EPL-2.0 OR GPL-2.0 WITH Classpath-
exception-2.0
*/
```

```
-----
(separator)-----
== Name: ==
hk2-utils.jar
== License Type ==
EPL 2.0, GPL2 with CPE
== Copyright Notices ==
```

```

-----
(separator)-----
== Name: ==
osgi-resource-locator.jar
== License Type ==
GPL2 with CPE
== Copyright Notices ==

-----
(separator)-----
== Name: ==
aopalliance-repackaged.jar
== License Type ==
EPL 2.0, GPL2 with CPE
== Copyright Notices ==

-----
(separator)-----
== Name: ==
jakarta.inject.jar
== License Type ==
EPL 2.0, GPL2 with CPE
== Copyright Notices ==
== Jar:jakarta.inject.jar File:./jakarta.inject/.../NOTICE.md/ ==

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Source Code

The project maintains the following source code repositories:

- * <https://github.com/eclipse-ee4j/glassfish-ha-api>
- * <https://github.com/eclipse-ee4j/glassfish-logging-annotation-processor>
- * <https://github.com/eclipse-ee4j/glassfish-shoal>
- * <https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck>
- * <https://github.com/eclipse-ee4j/glassfish-jsftemplating>
- * <https://github.com/eclipse-ee4j/glassfish-hk2-extra>
- * <https://github.com/eclipse-ee4j/glassfish-hk2>
- * <https://github.com/eclipse-ee4j/glassfish-fighterfish>

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== Jar:jakarta.inject.jar File:./jakarta.inject/.../Inject.java/ ==

```
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```
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*/
```

```
-----
(separator)-----
== Name: ==
jersey-apache-connector.jar
== License Type ==
EPL 2.0, MIT, Public_Domain, W3C
== Copyright Notices ==
```

```
-----
(separator)-----
== Name: ==
jersey-client.jar
== License Type ==
EPL 2.0, MIT, Public_Domain, W3C
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```

```
-----
(separator)-----
== Name: ==
jersey-common.jar
== License Type ==
Apache 2,0, EPL 2.0, GPL 2.0 with Classpath Execution
== Copyright Notices ==
== Jar:jersey-common.jar File:./jersey-common/.../NOTICE.markdown/ ==
```

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```
* https://projects.eclipse.org/projects/ee4j.jersey
```

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Source Code

The project maintains the following source code repositories:

* <https://github.com/eclipse-ee4j/jersey>

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== Jar:jersey-common.jar File:./jersey-common/.../
GenericMapMaker.java/ ==

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(separator)-----  
== Name: ==  
jersey-entity-filtering.jar  
== License Type ==  
EPL 2.0, MIT, Public_Domain, W3C  
== Copyright Notices ==
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```
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(separator)-----  
== Name: ==  
jersey-hk2.jar  
== License Type ==  
EPL 2.0, MIT, Public_Domain, W3C  
== Copyright Notices ==
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(separator)-----  
== Name: ==  
jersey-media-json-jackson.jar  
== License Type ==  
Apache 2,0, EPL 2.0, GPL 2.0 with Classpath Execution  
== Copyright Notices ==
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-----  
(separator)-----  
== Name: ==  
hamcrest-core.jar  
== License Type ==  
== Copyright Notices ==
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-----  
(separator)-----  
== Name: ==  
hamcrest.jar  
== License Type ==  
== Copyright Notices ==
```

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-----  
(separator)-----  
== Name: ==  
HdrHistogram.jar  
== License Type ==  
== Copyright Notices ==  
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```

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(separator)-----
== Name: ==
javassist.jar
== License Type ==
Apache 2.0, LGPL, version 2.1, MPL 1.1
== Copyright Notices ==
== Jar:javassist.jar File:./javassist/.../Annotation.java/ ==

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(separator)-----
== Name: ==
jboss-logging.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:jboss-logging.jar File:./jboss-logging/.../
SecurityActions.java/ ==

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(separator)-----
== Name: ==
annotations.jar
== License Type ==
Apache 2.0
== Copyright Notices ==
== Jar:annotations.jar File:./annotations/.../Contract.java/ ==
```

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(separator)-----
== Name: ==
junit-jupiter-api.jar
== License Type ==
EPL 2.0
== Copyright Notices ==
```

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-----
(separator)-----
== Name: ==
junit-jupiter-engine.jar
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(separator)-----
== Name: ==
junit-platform-commons.jar
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EPL 2.0
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== Jar:junit-platform-commons.jar File:./junit-platform-commons/.../
AnnotationSupport.java/ ==

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(separator)-----
== Name: ==
LatencyUtils.jar
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CC0 1.0
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(separator)-----
== Name: ==
objenesis.jar
== License Type ==
Apache 2.0
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== Jar:objenesis.jar File:./objenesis/.../NOTICE/ ==

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AccessibleInstantiator.java/ ==

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(separator)-----
== Name: ==
opentest4j.jar
== License Type ==
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== Jar:opentest4j.jar  File:./opentest4j/.../
AssertionFailedError.java/ ==

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(separator)-----
== Name: ==

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asm.jar
== License Type ==
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== Jar:asm.jar File:./asm/.../package.html/ ==

<!DOCTYPE html>
<html lang="en">
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(separator)-----
== Name: ==

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(separator)-----
== Name: ==
duct-tape.jar
== License Type ==
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(separator)-----
== Name: ==
slf4j-api.jar
== License Type ==
MIT
== Copyright Notices ==

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(separator)-----

== Name: ==
slf4j-simple.jar
== License Type ==
MIT
== Copyright Notices ==
== Jar:slf4j-simple.jar File:./slf4j-simple/.../SimpleLogger.java/ ==

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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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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.

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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

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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 that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- * *b)* Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- * *c)* Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- * *d)* If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- * *e)* Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to

be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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

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

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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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(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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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.

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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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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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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.

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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

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

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Version 2.1, February 1999

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