Licensing Information User Manual
Oracle Java SE 11
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Title and Copyright Information

Introduction

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<thead>
<tr>
<th>Package</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Oracle Java SE Development Kit (JDK)</strong></td>
<td>Everything required for developing, debugging documenting, running, and monitoring Java applications including a Java Virtual Machine and many common Java Libraries.</td>
</tr>
<tr>
<td><strong>Oracle TZUpdater</strong></td>
<td>Utility for updating the Java Runtime Environment time zone database, with the latest information provided by the IANA Time Zone Database at <a href="https://www.iana.org/time-zones">https://www.iana.org/time-zones</a></td>
</tr>
</tbody>
</table>

**Prerequisite Products**

Java SE 11 has no prerequisite products.

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Third party components on Oracle JDK

On java.base

ASM Bytecode Manipulation Framework v6.0
с-libutl 20160225
Cryptix AES v3.2.0
International Components for Unicode (ICU4J) v60.2
Mozilla Public Suffix List
Unicode Common Local Data Repository (CLDR) v33
The Unicode Standard, Unicode Character Database, Version 10.0.0
zlib v1.2.11

On java.desktop

Eastman Kodak Company: Portions of color management and imaging software
The FreeType Project: Freetype v2.9.1 for JDK 11 to 11.0.4
The FreeType Project: Freetype v2.10.0 for JDK 11.0.5 to 11.0.6
The FreeType Project: Freetype v2.10.1 for JDK 11.0.7 and later
GIFLIB v5.1.4 - For JDK 11 to 11.0.3
GIFLIB v5.1.8 - For JDK 11.0.4 to 11.0.6
GIFLIB v5.2.1 - For JDK 11.0.7 and later
Harfbuzz v1.8.2 - For JDK 11 to 11.0.3
Harfbuzz v2.3.1 - For JDK 11.0.4 and later
Independent JPEG Group: JPEG release 6b
Khronos Group OpenGL Headers v2.1
Little Color Management System (LCMS) v2.9
libpng v1.6.35
Mesa 3-D Graphics Library v4.1 - For JDK 11 to 11.0.3
Mesa 3-D Graphics Library v5.0 - For JDK 11.0.4 to 11.0.6
Mesa 3-D Graphics Library v19.2.1 - For JDK 11.0.7 and later
X Windows System v6.8.2 - For JDK 11 to 11.0.3 (Unix Only)
xwd v1.0.7 - For JDK 11.0.4 and later (Unix Only)

On java.smartcardio

PC/SC Lite for Suse Linux v1.1.1 (Unix Only)

On java.xml.crypto

Apache Santuario v2.1.1 for JDK 11 to JDK 11.0.4
Apache Santuario v2.1.3 for JDK 11.0.5 to JDK 11.0.7
Apache Santuario v2.1.4 for JDK 11.0.8 and later

On java.xml
Apache Commons Byte Code Engineering Library (BCEL) Version 6.0 for JDK 11 to JDK 11.0.5
Apache Commons Byte Code Engineering Library (BCEL) Version 6.3.1 for JDK 11.0.6 and later
Apache Xalan v2.7.2
Apache Xerces v2.11.0 for JDK 11 to 11.0.4
Apache Xerces v2.12.0 for JDK 11.0.5 to 11.0.7
Apache Xerces v2.12.2 for JDK 11.0.8 and later
CUP Parser Generator for Java v 0.10k for JDK 11 to 11.0.6
CUP Parser Generator for Java v 0.11b for JDK 11.0.7 and later
DOM Level 3 Core Specification v1.0

On jdk.crypto.cryptoki
IAIK (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1
PKCS#11 Cryptographic Token Interface v2.20 Amendment 3 Header Files

On jdk.crypto.ec
Mozilla Elliptic Curve Cryptography (ECC)

On jdk.dynalink
Dynalink v.5

On jdk.internal.le
JLine v2.14.6

On jdk.internal.opt
jopt-simple v5.0.4

On jdk.javadoc
DejaVu fonts v2.34 for JDK 11 to 11.0.6
DejaVu fonts v2.37 for JDK 11.0.7 and later
jQuery Migrate v3.0.1
jQuery v3.3.1
jQuery v3.3.1
jQuery UI v1.11.4 for JDK 11 to 11.0.3
jQuery UI v1.12.1 for JDK 11.0.4 and later
JSZip v3.1.5 for JDK 11 to JDK 11.0.7
JSZip v3.2.2 for JDK 11.0.8 and later
Pako v1.0
On jdk.localedata
Thai Dictionary
Unicode Common Local Data Repository (CLDR) v33
On jdk.scripting.nashorn
Double-conversion v1.1.5
JRuby Joni v1.1.9

Cryptix AES v3.2.0

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Little Color Management System
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include/GL/gl.h:

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include/GL/glxext.h
include/GL/wglxext.h :

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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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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.

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