

# Licensing Information User Manual

## Oracle Java SE 11

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### **Installation packages**

There are no installers or packages that correspond directly with the Oracle Java SE products listed above.

Package	Contents
<b>Oracle Java SE Development Kit (JDK)</b>	Everything required for developing, debugging, documenting, running, and monitoring Java applications including a Java Virtual Machine and many common Java Libraries.
<b>Oracle TZUpdater</b>	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>

## 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
- c-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 for JDK 11 to 11.0.8  
JLine v3.12.1 for JDK 11.0.9 and later

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 for JDK 11 to JDK 11.0.4  
jQuery v3.4.1 for JDK 11.0.5 to 11.0.8  
jQuery v.3.5.1 for JDK 11.0.9 and later  
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

## **Cryptix AES v3.2.0**

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**c-libutl 20160225**

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## **zlib v1.2.11**

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 */

/*****
 *
 * This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50
 * taken from Mark Leisher's xmbdfed package
 *
 */
```

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Little Color Management System  
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include/GL/glxext.h  
include/GL/wglxext.h :

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## JRuby Joni v1.1.9

Jruby 2012

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