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

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**Installation packages**

There are no installers or packages that correspond directly with the Oracle Java SE products listed above.
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<thead>
<tr>
<th>Package</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Java SE Development Kit (JDK)</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>Oracle TZUpdater</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
  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 to 11.0.9
  The FreeType Project: Freetype v2.10.2 for JDK 11.0.10 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
  Little Color Management System (LCMS) v2.11 for JDK 11.0.10 and later
  libpng v1.6.35
  libpng v1.6.37 for JDK 11.0.5 and later
  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)
  PC/SC Lite for Suse Linux v1.8.26 (Unix Only) for JDK 11.0.10 and later

On java.xml.crypto
  Apache Santuario v2.1.1
  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
  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 v2.12.1 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
OASIS PKCS #11 Cryptographic Token Interface v2.40 for JDK 11.0.6 and later

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
Double-conversion v3.1.5 for JDK 11.0.6 and later
JRuby Joni v1.1.9
JRuby Joni v2.1.40 for JDK 11.0.10 and later

Cryptix AES v3.2.0

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ASM Bytecode Manipulation Framework v6.0

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 */

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 *
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 *
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<td>Main Mesa code</td>
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<td>Gallium code</td>
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Ext headers       GL/glext.h       Khronos
GL/glxext.h       Khronos
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