

# Licensing Information User Manual

## Oracle Java SE 17

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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 17 has no prerequisite products.

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## Third party components on Oracle JDK

- Module java.base
  - Cryptix AES v3.2.0
  - ASM Bytecode Manipulation Framework v8.0.1
  - c-libutl 20160225
  - Unicode Common Local Data Repository (CLDR) v39
  - International Components for Unicode (ICU4J) v67.1
  - Mozilla Public Suffix List
  - The Unicode Standard, Unicode Character Database, Version 13.0.0
  - Bert Belder: wepoll v 1.5.8 (Windows only)
  - zlib v1.2.11 (Windows only) for JDK 17 to 17.0.6
  - zlib v1.2.13 (Windows only) for JDK 17.0.7 to 17.0.11
  - zlib v1.3.1 (Windows only) for JDK 17.0.12 and later
  - SipHash v1.0-68c8a7c for JDK 17.0.3 and later
- Module java.desktop
  - Eastman Kodak Company: Portions of color management and imaging software
  - The FreeType Project: Freetype v2.10.4 (macOS and Windows only) for JDK 17 to 17.0.4
  - The FreeType Project: Freetype v2.12.1 (macOS and Windows only) for JDK 17.0.5 to 17.0.8
  - The FreeType Project: Freetype v2.13.0 (macOS and Windows only) for JDK 17.0.9 to 17.0.10
  - The FreeType Project: Freetype v2.13.2 (macOS and Windows only) for JDK 17.0.11 to 17.0.15
  - The FreeType Project: Freetype v2.13.3 (macOS and Windows only) for JDK 17.0.16 and later
  - GIFLIB v5.2.1 for 17 to 17.0.12
  - GIFLIB v5.2.2 for JDK 17.0.13 and later
  - Harfbuzz v2.8 for JDK 17 to 17.0.4
  - Harfbuzz v4.4.1 for JDK 17.0.5 to 17.0.7
  - Harfbuzz v7.0.1 for JDK 17.0.8
  - Harfbuzz v7.2.0 for JDK 17.0.9 to 17.0.10
  - Harfbuzz v8.2.2 for JDK 17.0.11 to 17.0.15
  - Harfbuzz v10.4.0 for JDK 17.0.16
  - Harfbuzz v11.2.0 for JDK 17.0.17 and later
  - Independent JPEG Group: JPEG release 6b
  - Little Color Management System (LCMS) v2.12 for JDK 17 to 17.0.6
  - Little Color Management System (LCMS) v2.14 for JDK 17.0.7
  - Little Color Management System (LCMS) v2.15 for JDK 17.0.8 to 17.0.11
  - Little Color Management System (LCMS) v2.16 for JDK 17.0.12 to 17.0.15
  - Little Color Management System (LCMS) v2.17 for JDK 17.0.16 and later
  - libpng v1.6.37 for JDK 17 to 17.0.6
  - libpng v1.6.38 for JDK 17.0.7 to 17.0.8
  - libpng v1.6.39 for JDK 17.0.9 and later
  - libpng v1.6.40 for JDK 17.0.10 to 17.0.12

- libpng v1.6.43 for JDK 17.0.13 to 17.0.15
  - libpng v1.6.47 for JDK 17.0.16 and later
  - Mesa 3-D Graphics Library v21.0.3
  - PipeWire 0.3.68 (Linux and macOS only) for JDK 17.0.13 to 17.0.15
  - PipeWire 1.3.81 (Linux and macOS only) for JDK 17.0.16 and later
  - xwd v1.0.7 (Linux only)
- Module java.smartcardio
    - PC/SC Lite v1.8.26 (Linux and macOS only) for JDK 17 to 17.0.4
    - PC/SC Lite v1.9.5 (Linux and macOS only) for JDK 17.0.5 to 17.0.8
    - PC/SC Lite v1.9.9 (Linux and macOS only) for JDK 17.0.9 to 17.0.14
    - PC/SC Lite v2.3.0 (Linux and macOS only) for JDK 17.0.15 and later
- Module java.xml.crypto
    - Apache Santuario v2.2.1 for JDK 17 to 17.0.3.1
    - Apache Santuario v2.3.0 for JDK 17.0.4 and later
    - Apache Santuario v3.0.3 for JDK 17.0.11 to 17.0.16
    - Apache Santuario v3.0.5 for JDK 17.0.17 and later
- Module java.xml
    - Apache Commons Byte Code Engineering Library (BCEL) Version 6.5.0 for JDK 17 to 17.0.7
    - Apache Commons Byte Code Engineering Library (BCEL) Version 6.7.0 for JDK 17.0.8 and later
    - DOM Level 3 Core Specification v1.0
    - CUP Parser Generator for Java v 0.11b
    - Apache Xalan v2.7.2 for JDK 17 to 17.0.10
    - Apache Xalan v2.7.3 for JDK 17.0.11 and later
    - Apache Xerces v2.12.1 for JDK 17 to 17.0.4
    - Apache Xerces v2.12.2 for JDK 17.0.5 and later
- Module jdk.crypto.cryptoki
    - IAIK (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1
    - OASIS PKCS #11 Cryptographic Token Interface v3.0 for JDK 17 to 17.0.14
    - OASIS PKCS #11 Cryptographic Token Interface v3.1 for JDK 17.0.15 and later
- Module jdk.dynalink
    - Dynalink v.5
- Module jdk.internal.le
    - JLine v3.14.0 for JDK 17 to 17.0.2
    - JLine v3.20.0 for JDK 17.0.3 to 17.0.7
    - JLine v3.22.0 for JDK 17.0.8 to 17.0.14
    - JLine v3.26.1 for JDK 17.0.15 and later

- Module jdk.internal.opt
  - jopt-simple v5.0.4
- Module jdk.javadoc
  - DejaVu fonts v2.37
  - jQuery v3.5.1 for JDK 17 to 17.0.4
  - jQuery v3.6.0 for JDK 17.0.5 to 17.0.6
  - jQuery v3.6.1 for JDK 17.0.7 to 17.0.12
  - jQuery v3.7.1 for JDK 17.0.13 and later
  - jQuery UI v1.12.1 for JDK 17 to 17.0.7
  - jQuery UI v1.13.2 for JDK 17.0.8 to 17.0.16
  - jQuery UI v1.14.1 for JDK 17.0.17 and later
- Module jdk.localedata
  - Unicode Common Local Data Repository (CLDR) v39
  - Thai Dictionary

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[Bert Belder: wepoll v 1.5.8](#)

wepoll - epoll for Windows

<https://github.com/piscisaureus/wepoll>

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#### [CUP Parser Generator for Java v 0.11b](#)

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include/ GL/ gl.h :

Mesa 3-D graphics library

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

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*
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*
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*
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