# Licensing Information User Manual Oracle Java SE 23

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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
Oracle Java SE Development Kit (JDK)	Everything required for developing, debugging documenting, running, and monitoring Java applications including a Java Virtual Machine and many common Java Libraries.
Oracle TZUpdater	Utility for updating the Java Runtime Environment time zone database, with the latest information provided by the IANA Time Zone Database at https://www.iana.org/time-zones

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Java SE 23 has no prerequisite products.

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# Third party components on Oracle JDK

- Module java.base
  - Cryptix AES v3.2.0
  - o ASM Bytecode Manipulation Framework v9.6
  - o c-libutl 20160225
  - Unicode Common Local Data Repository (CLDR) v45.0
  - o International Components for Unicode (ICU4J) v74.1
  - Mozilla Public Suffix List
  - o SipHash v1.0-68c8a7c
  - o The Unicode Standard, Unicode Character Database, Version 15.1.0
  - Bert Belder: wepoll v 1.5.8 (Windows only)
  - zlib v1.3.1 (Windows only)
- Module java.desktop
  - o Eastman Kodak Company: Portions of color management and imaging software
  - The FreeType Project: Freetype v2.13.2 (macOS and Windows only)
  - o GIFLIB v5.2.2
  - o Harfbuzz v8.2.2
  - o Independent JPEG Group: JPEG release 6b
  - Little Color Management System (LCMS) v2.16
  - o libpng v1.6.43
  - Mesa 3-D Graphics Library v21.0.3
  - PipeWire 0.3.68 (Linux and macOS only)
  - o xwd v1.0.7 (Linux only)
- Module java.smartcardio
  - o PC/SC Lite v1.9.9 (Linux and macOS only)
- Module java.xml.crypto
  - o Apache Santuario v3.0.3
- Module java.xml
  - Apache Commons Byte Code Engineering Library (BCEL) Version 6.7.0
  - DOM Level 3 Core Specification v1.0
  - o CUP Parser Generator for Java v 0.11b
  - Apache Xalan v2.7.3
  - Apache Xerces v2.12.2
- Module jdk.crypto.cryptoki
  - OASIS PKCS #11 Cryptographic Token Interface v3.0
  - IAIK (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1
- Module jdk.dynalink
  - Dynalink v.5
- Module jdk.graal.compiler.lib
  - o Simdjson 3.6.4
- Module jdk.internal.le
  - o JLine v3.26.1
- Module jdk.internal.md

- o CommonMark 0.22.0
- Module jdk.internal.opt
  - o jopt-simple v5.0.4
- Module jdk.javadoc
  - DejaVu fonts v2.37
  - o jQuery v3.7.1
  - o jQuery UI v1.13.2
- Module jdk.localedata
  - Unicode Common Local Data Repository (CLDR) v45.0
  - 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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