

# Licensing Information User Manual

## Oracle Java SE 13

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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 13 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 v7.0
  - c-libutl 20160225
  - Unicode Common Local Data Repository (CLDR) v35.1
  - International Components for Unicode (ICU4J) v64.2
  - Mozilla Public Suffix List
  - The Unicode Standard, Unicode Character Database, Version 12.1.0
  - zlib v1.2.11
- Module java.desktop
  - Eastman Kodak Company: Portions of color management and imaging software
  - The FreeType Project: Freetype v2.10.0
  - GIFLIB v5.1.8
  - Harfbuzz v2.3.1
  - Independent JPEG Group: JPEG release 6b
  - Little Color Management System (LCMS) v2.9
  - libpng v1.6.37
  - Mesa 3-D Graphics Library v5.0
  - Khronos Group OpenGL Headers v2.1
  - xwd v1.0.7 (Linux only)
- Module java.smartcardio
  - PC/SC Lite v1.8.24 (Linux and macOS only)
- Module java.xml.crypto
  - Apache Santuario v2.1.3
- Module java.xml
  - Apache Commons Byte Code Engineering Library (BCEL) Version 6.0
  - DOM Level 3 Core Specification v1.0
  - CUP Parser Generator for Java v 0.10k
  - Apache Xalan v2.7.2
  - Apache Xerces v2.12.0
- Module jdk.crypto.cryptoki
  - IAIK (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1
- Module jdk.crypto.ec
  - Mozilla Elliptic Curve Cryptography (ECC)
- Module jdk.dynalink
  - Dynalink v.5
- Module jdk.internal.le
  - JLine v3.9.0
- Module jdk.internal.opt
  - jopt-simple v5.0.4
- Module jdk.javadoc
  - DejaVu fonts v2.34

- jQuery v3.4.1
- jQuery UI v1.12.1
- JSZip v3.1.5
- Module jdk.localedata
  - Unicode Common Local Data Repository (CLDR) v35.1
  - Thai Dictionary
- Module jdk.scripting.nashorn
  - Double-conversion v1.1.5
  - JRuby Joni v1.1.9

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Little Color Management System

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Mesa 3-D graphics library  
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