Licensing Information User Manual  
Oracle Java SE 17  
Last updated: 2021-09-14  

Contents  
Title and Copyright Information  
Introduction  
Licensing Information  
Description of Product Editions and Permitted Features  
Prerequisite Products  
Entitled Products and Restricted Use Licenses  
Third Party Notices and/or Licenses  

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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

<table>
<thead>
<tr>
<th>Package</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Oracle Java SE Development Kit (JDK)</strong></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><strong>Oracle TZUpdater</strong></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>

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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 v1.5.8 (Windows only)
  - zlib v1.2.11

- Module java.desktop
  - Eastman Kodak Company: Portions of color management and imaging software
  - The FreeType Project: Freetype v2.10.4
  - GIFLIB v5.2.1
  - Harfbuzz v2.8
  - Independent JPEG Group: JPEG release 6b
  - Little Color Management System (LCMS) v2.12
  - libpng v1.6.37
  - Mesa 3-D Graphics Library v21.0.3
  - xwd v1.0.7 (Linux only)

- Module java.smartcardio
  - PC/SC Lite v1.8.26 (Linux and macOS only)

- Module java.xml.crypto
  - Apache Santuario v2.2.1

- Module java.xml
  - Apache Commons Byte Code Engineering Library (BCEL) Version 6.5.0
  - DOM Level 3 Core Specification v1.0
  - CUP Parser Generator for Java v 0.11b
  - Apache Xalan v2.7.2
  - Apache Xerces v2.12.1

- Module jdk.crypto.cryptoki
  - OASIS PKCS #11 Cryptographic Token Interface v3.0
  - IAIX (Institute for Applied Information Processing and Communication) PKCS#11 wrapper files v1

- Module jdk.dynalink
  - Dynalink v.5

- Module jdk.internal.le
  - JLine v3.14.0

- Module jdk.internal.opt
  - jopt-simple v5.0.4

- Module jdk.javadoc
  - DejaVu fonts v2.37
  - jQuery v3.5.1
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Bert Belder: wepoll v 1.5.8
wepoll - epoll for Windows
https://github.com/piscisaureus/wepoll

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 */

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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