

Licensing Information User Manual

Oracle Java SE 11

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Title and Copyright Information

Introduction

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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

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**
- SipHash v1.0-68c8a7c for 11.0.15 and later**
- The Unicode Standard, Unicode Character Database, Version 10.0.0**
- Unicode Common Local Data Repository (CLDR) v33**
- zlib v1.2.11 (Windows only) for JDK 11 to 11.0.18**
- zlib v1.2.13 (Windows only) for JDK 11.0.19 to 11.0.23**
- zlib v1.3.1 (Windows only) for JDK 11.0.24 and later**

On java.desktop

- Eastman Kodak Company: Portions of color management and imaging software**
- The FreeType Project: Freetype v2.9.1 (macOS and Windows only) for JDK 11 to 11.0.4**
- The FreeType Project: Freetype v2.10.0 (macOS and Windows only) for JDK 11.0.5 to 11.0.6**
- The FreeType Project: Freetype v2.10.1 (macOS and Windows only) for JDK 11.0.7 to 11.0.9**
- The FreeType Project: Freetype v2.10.2 (macOS and Windows only) for JDK 11.0.10 to 11.0.11**
- The FreeType Project: Freetype v2.10.4 (macOS and Windows only) for JDK 11.0.12 to 11.0.16**
- The FreeType Project: Freetype v2.12.1 (macOS and Windows only) for JDK 11.0.17 to 11.0.20**
- The FreeType Project: Freetype v2.13.0 (macOS and Windows only) for JDK 11.0.21 to 11.0.22**
- The FreeType Project: Freetype v2.13.2 (macOS and Windows only) for JDK 11.0.23 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 to 11.0.24**
- GIFLIB v5.2.2 for JDK 11.0.25 and later**
- Harfbuzz v1.8.2 for JDK 11 to 11.0.3**
- Harfbuzz v2.3.1 for JDK 11.0.4 to 11.0.10**
- Harfbuzz v2.7.2 for JDK 11.0.11 to 11.0.12**
- Harfbuzz v2.8 for JDK 11.0.13 to 11.0.16**
- Harfbuzz v4.4.1 for JDK 11.0.17 to 11.0.19**
- Harfbuzz v7.0.1 for JDK 11.0.20**
- Harfbuzz v7.2.0 for JDK 11.0.21 to 11.0.22**
- Harfbuzz v8.2.2 for JDK 11.0.23 and later**
- Independent JPEG Group: JPEG release 6b**
- Khronos Group OpenGL Headers v2.1 (Linux and Solaris Only)**
- Little Color Management System (LCMS) v2.9**

Little Color Management System (LCMS) v2.11 for JDK 11.0.11
Little Color Management System (LCMS) v2.12 for JDK 11.0.12 to 11.0.18
Little Color Management System (LCMS) v2.14 for JDK 11.0.19
Little Color Management System (LCMS) v2.15 for JDK 11.0.20 to 11.0.23
Little Color Management System (LCMS) v2.16 for JDK 11.0.24 and later
libpng v1.6.35
libpng v1.6.37 for JDK 11.0.5 to 11.0.18
libpng v1.6.38 for JDK 11.0.19 to 11.0.20
libpng v1.6.30 for JDK 11.0.21 to 11.0.22
libpng v1.6.40 for JDK 11.0.23 to 11.0.24
libpng v1.6.43 for JDK 11.0.25 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 to 11.0.12
Mesa 3-D Graphics Library v21.0.3 for JDK 11.0.13 and later
PipeWire 0.3.68 (Linux and macOS only) for JDK 11.0.26 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 v1.1.1 (Linux, Solaris, and macOS Only)
PC/SC Lite v1.8.26 (Linux, Solaris, and macOS Only) for JDK 11.0.10 to 11.0.16
PC/SC Lite v1.9.5 (Linux, Solaris, and macOS Only) for JDK 11.0.17 to 11.0.20
PC/SC Lite v1.9.9 (Linux, Solaris, and macOS Only) for JDK 11.0.21 to 11.0.26
PC/SC Lite v2.3.0 (Linux, Solaris, and macOS Only) for JDK 11.0.27 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 to JDK 11.0.12
Apache Santuario v2.2.1 for JDK 11.0.13 to 11.0.15.1
Apache Santuario v2.3.0 for JDK 11.0.16 to 11.0.22
Apache Santuario v3.0.3 for JDK 11.0.23 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 to 11.0.11
Apache Commons Byte Code Engineering Library (BCEL) Version 6.4.1 for JDK 11.0.12 to 11.0.14
Apache Commons Byte Code Engineering Library (BCEL) Version 6.5.0 for JDK 11.0.15 to 11.0.19
Apache Commons Byte Code Engineering Library (BCEL) Version 6.7.0 for JDK 11.0.20 and later
Apache Xalan v2.7.2 for JDK 11 to JDK 11.0.22
Apache Xalan v2.7.3 for JDK 11.0.23 and later
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 to 11.0.16
Apache Xerces v2.12.2 for JDK 11.0.17 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 to 11.0.10
OASIS PKCS #11 Cryptographic Token Interface v3.0 for JDK 11.0.11 to 11.0.26
OASIS PKCS #11 Cryptographic Token Interface v3.1 for JDK 11.0.27 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 to JDK 11.0.10
JLine v3.14 for JDK 11.0.11 to JDK 11.0.14
Jline v3.20 for JDK 11.0.15 to 11.0.19
Jline v3.22 for JDK 11.0.20 to 11.0.26
Jline v3.26.1 for JDK 11.0.27 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 to 11.0.16
jQuery v.3.6.0 for JDK 11.0.17 to 11.0.18
jQuery v.3.6.1 for JDK 11.0.19 to 11.0.24
jQuery v.3.7.1 for JDK 11.0.25 and later
jQuery UI v1.11.4 for JDK 11 to 11.0.3
jQuery UI v1.12.1 for JDK 11.0.4 to 11.0.19
jQuery UI v1.13.2 for JDK 11.0.20 and later
JSZip v3.1.5 for JDK 11 to JDK 11.0.7
JSZip v3.2.2 for JDK 11.0.8 to 11.0.12
JSZip v3.7.1 for JDK 11.0.13 to 11.0.18
JSZip v3.10.1 for JDK 11.0.19 to 11.0.25
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 to 11.0.18

Double-conversion v3.2.0 for JDK 11.0.19 and later

JRuby Joni v1.1.9

JRuby Joni v2.1.40 for JDK 11.0.1 to 11.0.17

JRuby Joni v2.1.43 for JDK 11.0.18 to 11.0.22

JRuby Joni v2.2.1 for JDK 11.0.23 and later

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Cryptix AES v3.2.0

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ASM Bytecode Manipulation Framework v6.0

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The Unicode Standard, Unicode Character Database, Version 10.0.0

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SipHash v1.0-68c8a7c

SipHash reference C implementation

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Mesa 3-D graphics library

Version: 4.1

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include/GL/gl.h :

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X Windows System v6.8.2

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*

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JQuery 3.6.0 and 3.6.1

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set-immediate-shim 1.0.1

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Module Name: immediate

Version: 3.0.6

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isarray@1.0.0

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process-nextick-args@2.0.0

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safe-buffer@5.1.2

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string_decoder@1.1.1

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Pako 1.0.11

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lie 3.3.0

<https://github.com/calvinmetcalf/lie/releases/tag/v3.3.0>

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readable-stream 2.3.7

<https://github.com/nodejs/readable-stream/releases/tag/v2.3.7>

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""""

set-immediate-shim 1.0.1

<https://github.com/sindresorhus/set-immediate-shim/releases/tag/v1.0.1>

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Module Name: immediate

Version: 3.0.6

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core-util-is@1.0.3

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inherits@2.0.4

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process-nextick-args@2.0.1

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safe-buffer@5.2.1

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Pako v1.0

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