

Licensing Information User Manual

Oracle Java SE 11

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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 to 11.0.27
The FreeType Project: Freetype v2.13.3 (macOS and Windows only) for JDK 11.0.28 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 to 11.0.27
Harfbuzz v10.4.0 for JDK 11.0.28

Harfbuzz v11.2.0 for JDK 11.0.29 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 to 11.0.27
Little Color Management System (LCMS) v2.17 for JDK 11.0.28 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 to 11.0.27
libpng v1.6.47 for JDK 11.0.28 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 to 11.0.27
PipeWire 1.3.81 (Linux and macOS only) for JDK 11.0.28 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
Apache Santuario v3.0.5 for JDK 11.0.29 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 v3.5.1 for JDK 11.0.9 to 11.0.16

jQuery v3.6.0 for JDK 11.0.17 to 11.0.18

jQuery v3.6.1 for JDK 11.0.19 to 11.0.24

jQuery v3.7.1 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 to 11.0.28

jQuery UI v1.14.1 for JDK 11.0.29 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

JSRuby Joni v1.1.9

JSRuby Joni v2.1.40 for JDK 11.0.1 to 11.0.17

JSRuby Joni v2.1.43 for JDK 11.0.18 to 11.0.22

JSRuby Joni v2.2.1 for JDK 11.0.23 to 11.0.27

JSRuby Joni v2.2.5 for JDK 11.0.28 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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c-libutl 20160225

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<http://www.unicode.org/utility/trac/browser/>.

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SipHash v1.0-68c8a7c

SipHash reference C implementation

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Harfbuzz v8.2.2

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Mesa 3-D graphics library

Version: 4.1

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```
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include/GL/glxext.h
include/GL/wglxext.h :
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X Windows System v6.8.2

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* Author: Jim Fulton, MIT The Open Group

*

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*

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jopt-simple v5.0.4

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jQuery v3.3.1, v3.4.1, and v.3.5.1

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JQuery 3.6.0 and 3.6.1

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Pako 1.0.5

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lie 3.3.0

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readable-stream 2.3.6

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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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core-util-is@1.0.2

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process-nexttick-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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isarray@1.0.0

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process-nextick-args@2.0.1
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safe-buffer@5.2.1

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string_decoder@1.3.0
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Double-conversion v1.1.5, v3.1.5, and v3.2.0

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JRuby Joni v1.1.9

Jruby 2012

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