

Licensing Information User Manual

Oracle Java SE 11

Last updated: 2021-04-20

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](#)

Title and Copyright Information

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The Java SE products include experimental and technology preview features being considered for future versions of the product. Experimental and technology preview features are labeled as such in the product documentation. They are not meant to be used in production and are not supported by Oracle. Oracle welcomes feedback on experimental and technology preview features but users should be aware that experimental and technology preview features might never be included in a production version, or might change significantly before being considered production-ready.

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
Unicode Common Local Data Repository (CLDR) v33
The Unicode Standard, Unicode Character Database, Version 10.0.0
zlib v1.2.11

On java.desktop

Eastman Kodak Company: Portions of color management and imaging software
The FreeType Project: Freetype v2.9.1 for JDK 11 to 11.0.4
The FreeType Project: Freetype v2.10.0 for JDK 11.0.5 to 11.0.6
The FreeType Project: Freetype v2.10.1 for JDK 11.0.7 to 11.0.9
The FreeType Project: Freetype v2.10.2 for JDK 11.0.10 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 and later
Harfbuzz v1.8.2 - For JDK 11 to 11.0.3
Harfbuzz v2.3.1 - For JDK 11.0.4 to JDK 11.0.10
Harfbuzz v2.7.2 - For JDK 11.0.11 and later
Independent JPEG Group: JPEG release 6b
Khronos Group OpenGL Headers v2.1
Little Color Management System (LCMS) v2.9
Little Color Management System (LCMS) v2.11 for JDK 11.0.10 and later
libpng v1.6.35
libpng v1.6.37 for JDK 11.0.5 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 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 for Suse Linux v1.1.1 (Unix Only)
PC/SC Lite for Suse Linux v1.8.26 (Unix Only) for JDK 11.0.10 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 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 and later

Apache Xalan v2.7.2

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 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 JDK 11.0.10

OASIS PKCS #11 Cryptographic Token Interface v3.0 for JDK 11.0.11 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 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 and later

jQuery UI v1.11.4 for JDK 11 to 11.0.3

jQuery UI v1.12.1 for JDK 11.0.4 and later

JSZip v3.1.5 for JDK 11 to JDK 11.0.7

JSZip v3.2.2 for JDK 11.0.8 and later

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 and later

JRuby Joni v1.1.9

JRuby Joni v2.1.40 for JDK 11.0.10 and later

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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zlib v1.2.11

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 */

/*****
 *
 * This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50
 *
 * taken from Mark Leisher's xmbdfed package
 *
 */
```

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*

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2006-Jan-27

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David Turner, Robert Wilhelm, and Werner Lemberg

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