

Liberica JDK 11.0.27+9

Release Notes



Liberica JDK
11.0.27
April 15, 2025

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1. Version information

This document provides information about Liberica JDK 11.0.27 release.

The full version string for this update release is 11.0.27+9. The version number is 11.

Liberica JDK 11 is distributed as `.apk`, `.rpm`, `.zip`, `.deb`, and `.tar.gz` packages. Please select the most appropriate for your purposes.

2. What's New

This release contains the following updates and new features.

Notable Changes

This is the list of the notable issues fixed in this release.

Issue ID	
JDK-8273914	<p>Summary: Indy string concat changes order of operations</p> <p>Description: String concatenation has been changed to evaluate each argument and eagerly convert it to a string, in left-to-right order. This fixes a bug in the invokedynamic-based string concatenation strategies introduced in [JEP 280](http://openjdk.java.net/jeps/280).</p>
JDK-8335912	<p>Summary: Add an operation mode to the jar command when extracting to not overwriting existing files</p> <p>Description: The jar tool's extract operation has been enhanced to allow the <code>--keep-old-files</code> and the <code>-k</code> options to be used in preventing the overwriting of existing files. Examples: <code>jar xkf foo.jar</code> or <code>jar --extract --keep-old-files --file foo.jar</code>. Either of these commands will extract the contents of <code>foo.jar</code>. If an entry with the same name already exists in the target directory, then the existing file will not be overwritten.</p>

Issue ID	
JDK-8346587	<p>Summary: Distrust TLS server certificates anchored by Camerfirma Root CAs</p> <p>Description: The JDK will stop trusting TLS server certificates issued after April 15, 2025 and anchored by Camerfirma root certificates, in line with similar plans announced by Google, Mozilla, Apple, and Microsoft. TLS server certificates issued on or before April 15, 2025 will continue to be trusted until they expire. Certificates issued after that date, and anchored by any of the Certificate Authorities in the table below, will be rejected. The restrictions are enforced in the JDK implementation (the <code>SunJSSE</code> Provider) of the Java Secure Socket Extension (JSSE) API. A TLS session will not be negotiated if the server's certificate chain is anchored by any of the Certificate Authorities in the table below and the certificate has been issued after April 15, 2025.</p>
JDK-8347965	<p>Summary: Update Timezone Data to 2025a</p> <p>Description: Update Timezone Data to 2025a in which Paraguay adopts permanent -03 starting spring 2024; Improve pre-1991 data for the Philippines; Etc/Unknown is now reserved.</p>

Graal support in Liberica JDK 11

Liberica JDK continues to provide support for AOT and Graal JIT. Since in OpenJDK 11 builds these features are deemed experimental and deprecated, it is recommended to compile native executables with [Liberica Native Image Kit](#) to avoid errors.

IANA TZ Data update

This release of Liberica JDK 11.0.27 upgrades the in-tree copy of the [IANA timezone database](#) to 2025a. This timezone update is primarily concerned with the following:

- Paraguay adopts permanent -03 starting spring 2024.
- Improve pre-1991 data for the Philippines.
- Etc/Unknown is now reserved.

For more information, see [JDK-8347965](#).

3. Known Issues

This release does not contain any known issues.

4. Fixed CVEs

This is the list of the security issues fixed in this release. CVSS scores are provided using the CVSS version 3.1 scoring system.

CVE ID	CVSS score	Component	Module	Attack Vector	Complexity	Privileges	User Interaction	Scope	Confidentiality	Integrity	Availability
CVE-2024-47606	7.5	javafx	media	network	high	none	required	unchanged	high	high	high
CVE-2024-54534	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-21587	7.4	security-libs	javafx.net.ssl	network	high	none	none	unchanged	high	high	none
CVE-2025-30691	4.8	hotspot	compiler	network	high	none	none	unchanged	low	low	none
CVE-2025-30698	5.6	client-libs	2d	network	high	none	none	unchanged	low	low	low

5. Resolved Issues

JDK issues

This is the list of general JDK issues fixed in this release.

Issue ID	Summary
JDK-8195675	Call to insertText with single character from custom Input Method ignored
JDK-8202926	Test java/awt/Focus/WindowUpdateFocusabilityTest/WindowUpdateFocusabilityTest.html fails
JDK-8216539	tools/jar/modularJar/Basic.java timed out
JDK-8268364	jmethod clearing should be done during unloading
JDK-8273914	Indy string concat changes order of operations
JDK-8294316	SA core file support is broken on macosx-x64 starting with macOS 12.x
JDK-8306408	Fix the format of several tables in building.md
JDK-8312049	runtime/logging/ClassLoadUnloadTest can be improved
JDK-8320916	jdk/jfr/event/gc/stacktrace/TestParallelMarkSweepAllocationPendingStackTrace.java failed with "OutOfMemoryError: GC overhead limit exceeded"
JDK-8327650	Test java/nio/channels/DatagramChannel/StressNativeSignal.java timed out
JDK-8328242	Add a log area to the PassFailJFrame

Issue ID	Summary
JDK-8331863	DUIterator_Fast used before it is constructed
JDK-8335912	Add an operation mode to the jar command when extracting to not overwriting existing files
JDK-8336012	Fix usages of jtreg-reserved properties
JDK-8337494	Clarify JarInputStream behavior
JDK-8337692	Better TLS connection support
JDK-8338430	Improve compiler transformations
JDK-8339560	Unaddressed comments during code review of JDK-8337664
JDK-8339931	Update problem list for WindowUpdateFocusabilityTest.java
JDK-8340387	Update OS detection code to recognize Windows Server 2025
JDK-8341424	GHA: Collect hs_errs from build time failures
JDK-8342562	Enhance Deflater operations
JDK-8342704	GHA: Report truncation is broken after JDK-8341424
JDK-8343007	Enhance Buffered Image handling
JDK-8343474	[updates] Customize README.md to specifics of update project
JDK-8343599	Kmem limit and max values swapped when printing container information
JDK-8343786	[11u] GHA: Bump macOS and Xcode versions to macos-13 and XCode 14.3.1

Issue ID	Summary
JDK-8344589	Update IANA Language Subtag Registry to Version 2024-11-19
JDK-8345509	Bump update version of OpenJDK: 11.0.27
JDK-8346587	Distrust TLS server certificates anchored by Camerfirma Root CAs
JDK-8347427	JTabbedPane/8134116/Bug8134116.java has no license header
JDK-8347847	Enhance jar file support
JDK-8347965	(tz) Update Timezone Data to 2025a
JDK-8349603	[21u, 17u, 11u] Update GHA JDKs after Jan/25 updates
JDK-8352097	(tz) zone.tab update missed in 2025a backport

JFX issues

This is the list of JFX issues fixed in this release.

Issue ID	Summary
JDK-8340322	Update WebKit to 620.1
JDK-8346228	Update GStreamer to 1.24.10
JDK-8346229	Update Glib to 2.82.4
JDK-8349891	Not implemented function should have printf
JDK-8349924	Additional WebKit 620.1 fixes from WebKitGTK 2.46.6

6. Updates to Third Party Libraries

This release does not contain any changes in the third party libraries.

7. Upgrading to the New Version

To keep your Liberica JDK up-to-date and secure, always upgrade to the newest available version once it is released. To upgrade, install the new version over the previous one. For the installation instructions, see [Liberica JDK Installation Guide](#).



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