

Liberica JDK 25.0.1+11

Release Notes



Liberica JDK
25.0.1
October 21, 2025

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1. Version information

This document provides information about Liberica JDK 25.0.1 release.

The full version string for this update release is 25.0.1+11. The version number is 25.

Liberica JDK 25 is distributed as `.apk`, `.rpm`, `.zip`, `.deb`, `.pkg`, 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-8315131	Summary: Clarify VarHandle set/get access on 32-bit platforms Description: The specification found in <code>java.lang.foreign.MemoryLayout</code> was updated to state "no atomicity guarantee" instead of using "word tearing" as we do not support the <code>MemorySegment</code> type, and was reused to <code>byteBufferViewVarHandle</code>.
JDK-8359596	Summary: Behavior change when both <code>-Xlint:options</code> and <code>-Xlint:-options</code> flags are given Description: In JDK versions up to 24, the effect of specifying a conflicting pair of lint flags for the options category, for example <code>-Xlint:options -Xlint:-options</code> or <code>-Xlint:options -Xlint:none</code>, was that the "negative" flag always took precedence. In other words, both of those combinations would result in no warning. This was inadvertently flipped in the fix for <code>JDK-8354556</code>, in combination with <code>JDK-8352612</code>, both of which are included in JDK 25. JDK 25 was reverted to the prior behavior in the master branch.

Issue ID

JDK-8361212

Summary: Removed Four AffirmTrust Root Certificates

Description: The following root certificates, which are deactivated and no longer in use, have been removed from the `cacerts` keystore: + alias name "affirmtrustcommercialca [jdk]" Distinguished Name: CN=AffirmTrust Commercial, O=AffirmTrust, C=US; + alias name "affirmtrustnetworkingca [jdk]" Distinguished Name: CN=AffirmTrust Networking, O=AffirmTrust, C=US; + alias name "affirmtrustpremiumca [jdk]" Distinguished Name: CN=AffirmTrust Premium, O=AffirmTrust, C=US; + alias name "affirmtrustpremiumeccca [jdk]" Distinguished Name: CN=AffirmTrust Premium ECC, O=AffirmTrust, C=US

JDK-8362882

Summary: Update `SubmissionPublisher()` specification to reflect use of `ForkJoinPool.asyncCommonPool()`

Description: Documentation for the `java.util.concurrent.SubmissionPublisher` no-arg constructor was updated to specify that it uses the `ForkJoinPool.commonPool` in all cases.

JDK-8367031

Summary: Regression in Serialization of `LocalDate` Class Objects

Description: The serialized `Class` objects for several classes in the `java.time` package are incompatible between JDK 25 and previous versions. The affected classes include `LocalDate`, `YearMonth`, `MonthDay`, and `HijrahDate`. If a `Class` object for one of these classes is serialized on a previous version and is deserialized on JDK 25, or vice-versa, `InvalidClassException` will be thrown. Note that the incompatibility exists with `Class` objects but not instances of these classes. Serializing the `Class` object, for example by using `writeObject(LocalDate.class)` will encounter the incompatibility. However, Serializing an instance through `writeObject(LocalDate.now())` is compatible.

Discontinued OS support

Note that Liberica JDK 25.0.1 is not available for and cannot be run on the following operating systems:

- Windows x86 (32-bit)
- macOS 10.x

IANA TZ Data update

This release of Liberica JDK 25.0.1 upgrades the in-tree copy of the [IANA timezone database](#) to 2025b. The following are the key changes of this update:

Future Timestamps:

New Time Zone:

A new time zone, America/Coyhaique, is created for Chile's Aysén Region, which will now observe UTC−03 year-round (no daylight saving time).

- This diverges from America/Santiago starting March 20, 2025.
- Aysén will not change clocks on April 5, 2025.
- This aligns Aysén with Magallanes Region.

Past Timestamps:

Iran Time Change Correction:

Iran changed from UTC+04 to UTC+03:30 on November 10, 1978, not at the end of the year as previously recorded.

Code Fixes:

Improved behavior for the zic tool:

- It no longer creates invalid symlinks when using -l with multiple arguments.
- A buffer underflow issue is resolved.

For more information, see [JDK-8352716](#).

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-2025-31257	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-53057	5.9	security-libs	java.security	network	high	none	none	unchanged	none	high	none
CVE-2025-53066	4.8	xml	jaxp	network	high	none	none	unchanged	low	none	low
CVE-2025-61748	3.7	core-libc		network	high	none	none	unchanged	none	low	none

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-8315131	Clarify VarHandle set/get access on 32-bit platforms
JDK-8352637	Enhance bytecode verification
JDK-8356294	Enhance Path Factories
JDK-8356587	Missing object ID X in pool jdk.types.Method
JDK-8357826	Avoid running some jtreg tests when asan is configured
JDK-8358452	JNI exception pending in Java_sun_awt_screencast_ScreencastHelper_remoteDesktopKeyImpl of screencast_pipewire.c:1214 (ID: 51119)
JDK-8358577	Test serviceability/jvmti/thread/GetCurrentContentedMonitor/contmon01/contmon01.java failed: unexpexcted monitor object
JDK-8358819	The first year is not displayed correctly in Japanese Calendar

Issue ID	Summary
JDK-8359059	Bump version numbers for 25.0.1
JDK-8359059	Bump version numbers for 25.0.1
JDK-8359218	RISC-V: Only enable CRC32 intrinsic when AvoidUnalignedAccess == false
JDK-8359270	C2: alignment check should consider base offset when emitting arraycopy runtime call
JDK-8359454	Enhance String handling
JDK-8359596	Behavior change when both -Xlint:options and -Xlint:-options flags are given
JDK-8360179	RISC-V: Only enable BigInteger intrinsics when AvoidUnalignedAccess == false
JDK-8360533	ContainerRuntimeVersionTestUtils fromVersionString fails with some docker versions
JDK-8360647	[XWayland] [OL10] NumPad keys are not triggered
JDK-8360679	Shenandoah: AOT saved adapter calls into broken GC barrier stub
JDK-8360937	Enhance certificate handling
JDK-8361212	Remove AffirmTrust root CAs
JDK-8361532	RISC-V: Several vector tests fail after JDK-8354383

Issue ID	Summary
JDK-8361829	[TESTBUG] RISC-V: compiler/vectorization/runner/BasicIntOpTest.j ava fails with RVV but not Zvbb
JDK-8362109	Change milestone to fcs for all releases
JDK-8362882	Update SubmissionPublisher() specification to reflect use of ForkJoinPool.asyncCommonPool()
JDK-8366223	ZGC: ZPageAllocator::cleanup_failed_commit_multi_ partition is broken
JDK-8367031	[backout] Change java.time month/day field types to 'byte'
JDK-8368308	ISO 4217 Amendment 180 Update

JFX issues

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

Issue ID	Summary
JDK-8304008	Update README.md and CONTRIBUTING.md for jfx update repos
JDK-8328684	HellowWebView demo crashes when a webpage is scrolled
JDK-8356982	Update WebKit to 622.1

Issue ID	Summary
JDK-8360270	Websocket communication issues with Vaadin applications through webview
JDK-8361648	Update Glib to 2.84.3
JDK-8362896	Change JavaFX release version to 25.0.1 in jfx25u
JDK-8365515	Create release notes for JavaFX 25
JDK-8365859	Update copyright header for files modified in 2025

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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