Liberica JDK 24.0.1+11
Release Notes

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7. Upgrading to the New Version

1. Version information

This document provides information about Liberica JDK 24.0.1 release.

The full version string for this update release is 24.0.1+11. The version number is 24.

Liberica JDK 24 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-8346587	Summary: Distrust TLS server certificates anchored by Camerfirma Root CAs 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 `SunJSSE` 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.
JDK-8347506	Summary: Compatible OCSP readtimeout Property with OCSP Timeout Description: In JDK 21, an enhanced syntax for various timeout properties was released through JDK-8179502. This included a new system property, `com.sun.security.ocsp.readtimeout`, which allows users to control the timeout while reading OCSP responses after a successful TCP connection has been established. This changes the default posture of this property to be the value of the `com.sun.security.ocsp.timeout` system property from its original default of 15 seconds. If the `com.sun.security.ocsp.timeout` system property is also not set, then its default 15 second timeout is propagated to the default for `com.sun.security.ocsp.readtimeout`.

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Issue ID
JDK-8347965   Summary: Update Timezone Data to 2025a 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.

Discontinued OS support

Note that Liberica JDK 24.0.1 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 24.0.1 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	javax.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-8211851	(ch) java/nio/channels/AsynchronousSocketChannel/StressLoopback.java times out (aix)
JDK-8290043	serviceability/attach/ConcAttachTest.java failed "guarantee(!CheckJNICalls) failed: Attached JNI thread exited without being detached"
JDK-8337494	Clarify JarInputStream behavior
JDK-8337692	Better TLS connection support
JDK-8338430	Improve compiler transformations
JDK-8339356	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed with java.net.SocketException: An established connection was aborted by the software in your host machine
JDK-8342562	Enhance Deflater operations
JDK-8343007	Enhance Buffered Image handling
JDK-8344361	Restore null return for invalid services from legacy providers
JDK-8345614	Improve AnnotationFormatError message for duplicate annotation interfaces

Issue ID	Summary
JDK-8345684	OperatingSystemMXBean.getSystemCpuLoad() throws NPE
JDK-8345959	Make JVM_IsStaticallyLinked JVM_LEAF
JDK-8346014	Bump version numbers for 24.0.1
JDK-8346082	Output JVMTI agent information in hserr files
JDK-8346239	Improve memory efficiency of JimageDiffGenerator
JDK-8346324	javax/swing/JScrollBar/4865918/bug4865918.java fails in CI
JDK-8346587	Distrust TLS server certificates anchored by Camerfirma Root CAs
JDK-8346688	GenShen: Missing metadata trigger log message
JDK-8346690	Shenandoah: Fix log message for end of GC usage report
JDK-8346712	Remove com/sun/net/httpserver/TcpNoDelayNotRequired.java test
JDK-8346713	[testsuite] NeverActAsServerClassMachine breaks TestPLABAdaptToMinTLABSize.java TestPinnedHumongousFragmentation.java TestPinnedObjectContents.java
JDK-8346868	RISC-V: compiler/sharedstubs tests fail after JDK-8332689
JDK-8346887	DrawFocusRect() may cause an assertion failure
JDK-8347124	Clean tests with --enable-linkable-runtime
JDK-8347129	cpuset cgroups controller is required for no good reason
JDK-8347256	Epsilon: Demote heap size and AlwaysPreTouch warnings to info level

Issue ID	Summary
JDK-8347299	Add annotations to test cases in LicenseTest
JDK-8347334	JimageDiffGenerator code clean-ups
JDK-8347424	Fix and rewrite sun/security/x509/DNSName/LeadingPeriod.java test
JDK-8347496	Test jdk/jfr/jvm/TestModularImage.java fails after JDK-8347124: No javac
JDK-8347506	Compatible OCSP readtimeout property with OCSP timeout
JDK-8347564	ZGC: Crash in DependencyContext::clean_unloading_dependents
JDK-8347847	Enhance jar file support
JDK-8347911	Limit the length of inflated text chunks
JDK-8347965	(tz) Update Timezone Data to 2025a
JDK-8348562	ZGC: segmentation fault due to missing node type check in barrier elision analysis
JDK-8348600	Update PipeWire to 1.3.81
JDK-8349058	'internal proprietary API' warnings make javac warnings unusable
JDK-8349084	Update vectors used in several PQC benchmarks
JDK-8349183	[BACKOUT] Optimization for StringBuilder append boolean & null
JDK-8349239	[BACKOUT] Reuse StringLatin1::putCharsAt and StringUTF16::putCharsAt
JDK-8349828	Redo - Change milestone to fcs for newly created jdk24.0.1 branch

Issue ID	Summary
JDK-8350820	OperatingSystemMXBean CpuLoad() methods return -1.0 on Windows

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-8340322	Update WebKit to 620.1
JDK-8344367	Fix mistakes in FX API docs
JDK-8347600	Change JavaFX release version to 24.0.1 in jfx24u
JDK-8349256	Update PipeWire to 1.3.81
JDK-8349472	Update copyright header for files modified in 2025
JDK-8349891	Not implemented function should have printf
JDK-8349924	Additional WebKit 620.1 fixes from WebKitGTK 2.46.6
JDK-8350136	Create release notes for JavaFX 24
JDK-8350437	[GHA] Update gradle wrapper-validation action to v3
JDK-8350561	Update copyright header for files modified in 2024
JDK-8351368	RichTextArea: exception pasting from Word

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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