

# Liberica JDK 8u452+11

## Release Notes



Liberica JDK  
8u452  
April 15, 2025

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# 1. Version information

This document provides information about Liberica JDK 8u452 release.

The full version string for this update release is 8u452+11. The version number is 8.

Liberica JDK 8 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-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>
JDK-8339637	<p>Summary: Update Timezone Data to 2024b</p> <p>Description: IANA Time Zone Database has been upgraded to 2024b. This version mainly includes changes to improve historical data for Mexico, Mongolia, and Portugal. It also changes one timestamp abbreviation, for the time zone 'MET'. Also Asia/Choibalsan is now an alias for Asia/Ulaanbaatar. The new tzdata changes also impact some legacy zone IDs. Mapping of EST/MST/HST in <code>java.time.ZoneId.SHORT_IDS</code> have changed from fixed offset zones to links to other existing time zones with 2024b. EST now links to America/Panama, HST links to Pacific/Honolulu and MST links to America/Phoenix. Parsing of the short zone names EST, MST, and HST is not affected by this change. Further details are available at <a href="#">JDK-8340138</a>.</p>

Issue ID	
JDK-8346140	<p>Summary: tools/jar/ExtractFilesTest.java and tools/jar/MultipleManifestTest.java fails with jtreg5.1</p> <p>Description: The following tests are fixed to be compatible with jtreg 5.1: tools/jar/ExtractFilesTest.java, tools/jar/MultipleManifestTest.java.</p>
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>

## IANA TZ Data update

This release of Liberica JDK 8u452 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-lib	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-lib	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-8037013	[TESTBUG] Fix test/java/lang/ClassLoader/Assert.sh on AIX
JDK-8048215	[TESTBUG] java/lang/management/ManagementFactory/ThreadMXBeanProxy.java Expected non-null LockInfo
JDK-8068305	[TEST_BUG] Test java/awt/Mixing/HWDisappear.java fails with GTKL&F
JDK-8212096	javax/net/ssl/ServerName/SSLExplorerMatchedSNI.java failed intermittently due to SSLException: Tag mismatch
JDK-8227651	Tests fail with SSLProtocolException: Input record too big
JDK-8240235	jdk.test.lib.util.JarUtils updates jar files incorrectly
JDK-8244966	Add .vscode to .hgignore and .gitignore
JDK-8250825	C2 crashes with assert(field != __null) failed: missing field
JDK-8255466	C2 crashes at ciObject::get_oop() const+0x0
JDK-8261020	Wrong format parameter in create_emergency_chunk_path
JDK-8265019	Update tests for additional TestNG test permissions

Issue ID	Summary
JDK-8266881	Enable debug log for SSLEngineExplorerMatchedSNI.java
JDK-8268457	XML Transformer outputs Unicode supplementary character incorrectly to HTML
JDK-8285756	clean up use of bad arguments for <code>@clean</code> in langtools tests
JDK-8309841	Jarsigner should print a warning if an entry is removed
JDK-8316193	<code>jdk/jfr/event/oldobject/TestListenerLeak.java</code> <code>java.lang.Exception: Could not find leak</code>
JDK-8326110	[8u] The Marlin tests should be updated after JDK-8241307
JDK-8335912	Add an operation mode to the jar command when extracting to not overwriting existing files
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-8339637	(tz) Update Timezone Data to 2024b
JDK-8339644	Improve parsing of Day/Month in tzdata rules
JDK-8339810	Clean up the code in <code>sun.tools.jar.Main</code> to properly close resources and use <code>ZipFile</code> during extract
JDK-8340552	Harden <code>TzdbZoneRulesCompiler</code> against missing zone names

Issue ID	Summary
JDK-8340660	[8u] Test com/sun/jdi/PrivateTransportTest.sh fails on MacOS
JDK-8342562	Enhance Deflater operations
JDK-8343007	Enhance Buffered Image handling
JDK-8345504	Bump update version of OpenJDK: 8u452
JDK-8346140	[8u] tools/jar/ExtractFilesTest.java and tools/jar/MultipleManifestTest.java fails with jtreg5.1
JDK-8346587	Distrust TLS server certificates anchored by Camerfirma Root CAs
JDK-8347847	Enhance jar file support
JDK-8347965	(tz) Update Timezone Data to 2025a
JDK-8348211	[8u] sun/management/jmxremote/startstop/JMXStartStopTest.java fails after backport of JDK-8066708
JDK-8349166	Bad indentation in backport of JDK-8250825
JDK-8350816	[8u] Update TzdbZoneRulesCompiler to ignore HST/EST/MST links
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
JDK-8350284	WebKit 620.1 crashes on startup on Windows x86 32-bit

## 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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