Liberica JDK 8u442+7
Release Notes

bellsoft

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7. Upgrading to the New Version

1. Version information

This document provides information about Liberica JDK 8u442 release.

The full version string for this update release is 8u442+7. 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/JDK-8337499	Summary: Add an operation mode to the jar command when extracting to not overwrite existing files Description: In previous OpenJDK releases, when the jar tool extracted files from an archive, it would overwrite any existing files with the same name in the target directory. With this release, a new option ('-k' or '--keep-old-files') may be specified so that existing files are not overwritten. The option may be specified in short or long option form, as in the following examples: '* jar xkf foo.jar', '* jar --extract --keep-old-files --file foo.jar'. By default, the old behaviour remains in place and files are overwritten.
JDK-8341380	Summary: Distrust TLS server certificates issued after Oct 2024 and anchored by Entrust Root CAs Description: Google and Mozilla have announced plans to distrust TLS Server certificates issued by Entrust. This enhancement implements similar restrictions in the JDK. The restrictions is enforced in 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 specified in this issue and the certificate's notBefore date is after October 31, 2024. If necessary, you can work around the restrictions by removing 'ENTRUST_TLS' from the 'jdk.security.caDistrustPolicies' security property.

Issue ID	
JDK-8341488	Summary: Change Entrust TLS distrust date to November 12, 2024 Description: Google has changed their distrust date for Entrust from November 1 to November 12, 2024. Entrust has also changed the date they plan to use SSL.com as the issuing CA for public TLS server certificates to November 12. To align with those updated dates, the distrust date was changed to November 12, 2024.
JDK-8341533	Summary: Add 2 SSL.com TLS roots Description: New SSL.com TLS roots are added as they are the issuing CA used by Entrust going forward.
JDK-8343097	Summary: Update default value and extend the scope of com.sun.jndi.ldap.object.trustSerialData system property Description: The LDAP Naming Service Provider implementation's default settings can be improved by disallowing the reconstruction of Java objects from different LDAP attributes (RFC 2713). Changes include the following modifications: Extended the scope of the system property to cover the creation of RMI remote objects from the 'javaRemoteLocation' LDAP attribute; Updated the default value of 'com.sun.jndi.ldap.object.trustSerialData' system property to "false". That prevents the deserialization of java objects from the 'javaSerializedData' and the 'javaRemoteLocation' LDAP attributes.

IANA TZ Data update

This release of Liberica JDK 8u442 comes with IANA Time Zone Database version 2024a. The following are the main changes in this update:

- Kazakhstan unifies on UTC+5 beginning 2024-03-01.

- Palestine springs forward a week later after Ramadan.

- zic no longer pretends to support indefinite-past DST.

- localtime no longer mishandles Ciudad Juárez in 2422.

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-2025-21502	4.8	hotspot	compiler	network	high	none	none	unchanged	low	low	none

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-8048003	test/compiler/8009761/Test8009761.java failed with: java.lang.RuntimeException: static java.lang.Object Test8009761.m3(boolean,boolean) not compiled
JDK-8058322	Zero name_index item of MethodParameters attribute cause MalformedParameterException.
JDK-8066708	JMXStartStopTest fails to connect to port 38112
JDK-8133287	(fs) java/nio/file/Files/probeContentType/ParallelProbes.java should use othervm mode
JDK-8189687	Swing: Invalid position of candidate pop-up of InputMethod in Hi-DPI on Windows
JDK-8196770	Add JNDI test com/sun/jndi/ldap/blits/AddTests/AddNewEntry.java
JDK-8209023	fix 2 compiler tests to avoid JDK-8208690
JDK-8233364	Fix undefined behavior in Canonicalizer::do_ShiftOp
JDK-8239312	[macOS] javax/swing/JFrame/NSTexturedJFrame/NSTexturedJFrame.java
JDK-8251188	Update LDAP tests not to use wildcard addresses

Issue ID	Summary	
JDK-8260380	Upgrade to LittleCMS 2.12	
JDK-8313626	C2 crash due to unexpected exception control flow	
JDK-8315731	Open source several Swing Text related tests	
JDK-8335428	Enhanced Building of Processes	
JDK-8335912	Add an operation mode to the jar command when extracting to not overwriting existing files	
JDK-8336564	Enhance mask blit functionality redux	
JDK-8338402	GHA: some of bundles may not get removed	
JDK-8339133	[8u] Profiler crashes at guarantee(is_result_safe || is_in_asgct()): unsafe access to zombie method	
JDK-8339180	Enhanced Building of Processes: Follow-on Issue	
JDK-8339394	Bump update version of OpenJDK: 8u442	
JDK-8339882	Replace ThreadLocalStorage::thread with Thread::current_or_null in jdk8 backport of JDK-8183925	
JDK-8340815	Add SECURITY.md file	
JDK-8341057	Add 2 SSL.com TLS roots	
JDK-8341059	Change Entrust TLS distrust date to November 12, 2024	
JDK-8342822	jdk8u432-b06 does not compile on AIX	
JDK-8342841	[8u] Separate jdk_security_infra tests from jdk_tier1	

Issue ID	Summary	
JDK-8346140	tools/jar/ExtractFilesTest.java and tools/jar/MultipleManifestTest.java fails with jtreg5.1	12

JFX issues

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

Issue ID	Summary
JDK-8236689	macOS 10.15 Catalina: LCD text renders badly
JDK-8301312	Create implementation of NSAccessibilityButton protocol
JDK-8311806	Class ButtonAccessibility is implemented twice
JDK-8333374	Cannot invoke "com.sun.prism.RTTexture.contentsUseful()" because "this.txt" is null
JDK-8334713	WebKit build failed on LoongArch64 because currentStackPointer is undefined
JDK-8335714	Enhance playing MP3s
JDK-8335715	Improve Direct Show support
JDK-8336941	Update libxslt to 1.1.42
JDK-8340208	Additional WebKit 619.1 fixes from WebKitGTK 2.44.4
JDK-8341920	Intermittent WebKit build failure on Windows generating PDB files in 619.1

Issue ID	Summary	
JDK-8343630	Pass AccessControlContext to/from WebKit as opaque object	

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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