Liberica JDK 25.0.5+11
Release Notes



Liberica JDK
25.0.5
October 20, 2026

bellsoft

Copyright © BellSoft Corporation 2018-2026.

BellSoft software contains open source software. Additional information about third party code is available at https://bell-sw.com/third_party_licenses. You can also get more information on how to get a copy of source code by contacting info@bell-sw.com.

THIS INFORMATION MAY CHANGE WITHOUT NOTICE. TO THE EXTENT PERMITTED BY APPLICABLE LAW, BELLSOFT PROVIDES THIS DOCUMENTATION “AS IS” WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL BELLSOFT BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF BELLSOFT IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in this document is governed by the applicable license agreement, which is not modified in any way by the terms of this notice.

Alpaquita, Liberica and BellSoft are trademarks or registered trademarks of BellSoft Corporation. The registered trademark Linux® is used pursuant to a sublicense from the Linux Foundation, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis. Java and OpenJDK are trademarks or registered trademarks of Oracle and/or its affiliates. Other trademarks are the property of their respective owners and are used only for identification purposes.

Contents

1. Version information 5

2. What’s New 6

Notable Changes 6

Discontinued OS support 8

IANA TZ Data version 8

- Briefly 9
- Changes to future timestamps 9
  - NOTE FOR 2026b TEMPORARY HACK FOR CLDR AND CANADA 9
- Changes to past timestamps 9
- Changes to commentary 10

3. Known Issues 11

4. Fixed CVEs 12

5. Resolved Issues 14

JDK issues 14

JFX issues 27

6. Updates to Third Party Libraries 30

7. Upgrading to the New Version 31

1. Version information

This document provides information about Liberica JDK 25.0.5 release. The full version string for this update release is 25.0.5+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-8314323	Summary: Post-Quantum Hybrid Key Exchange for TLS 1.3 Description: Hybrid key exchange algorithms for TLS 1.3 have been implemented, enhancing the security of Java applications that require secure network communication. These algorithms defend against future quantum computing attacks by combining a quantum-resistant algorithm with a traditional algorithm. Applications that use the [javax.net.ssl] APIs will benefit from these improved algorithms by default, without requiring any code changes. The following three new hybrid key exchange algorithms are supported: `X25519MLKEM768`, `SecP256r1MLKEM768`, and `SecP384r1MLKEM1024`. Of these, only `X25519MLKEM768` is placed at the front of the default named groups list, making it the most preferred group. For more details, see JEP 527: Post-Quantum Hybrid Key Exchange for TLS 1.3.

Issue ID	
JDK-8343232	Summary: PKCS#12 KeyStore support for RFC 9879: Use of Password-Based Message Authentication Code 1 (PBMAC1) Description: The JDK PKCS12 [KeyStore] implementation now supports the more modern PBMAC1 algorithm for integrity protection. To use the PBMAC1 algorithm, set the 'keystore.pkcs12.macAlgorithm' property in the `java.security` configuration file to a PBMAC1 algorithm. For example, 'PBEWithHmacSHA256'. Existing PKCS12 keystore files will continue to use the integrity algorithm it was created with, but new keystore files will use the PBMAC1 algorithm. In a future JDK release, the default value of the 'keystore.pkcs12.macAlgorithm' security property will be changed to a PBMAC1 algorithm.
JDK-8387123	Summary: Remove LuxTrust Global Root CA Description: The following root certificate has been removed from the `cacerts` keystore: alias name "luxtrustglobalrootca [jdk]" Distinguished Name: CN=LuxTrust Global Root, O=LuxTrust s.a., C=LU
JDK-8388214	Summary: Update Timezone Data to 2026c Description: Briefly: Alberta moved to permanent -06 on 2026-06-18; Morocco moves to permanent +00 on 2026-09-20; More integer overflow bugs have been fixed in zic.
JDK-8392377	Summary: Update Timezone Data to 2026d Description: Briefly: Canada's Northwest Territories moved to permanent -06 on 2026-08-21; Obsolescent settings like TZ='EST5EDT' now conform better to POSIX; Fix security, performance and porting bugs in zic and localtime.

Issue ID	
JDK-8392538	Summary: Align the JDK with Microsoft's new timezone names for British Columbia/Alberta Description: Microsoft announced a new timezone name for British Columbia, per https://techcommunity.microsoft.com/blog/dstblog/interim-guidance-for-british-columbia-time-zone-changes-2026/4544988 JDK timezone data needs to be aligned with the registry key updates to allow a Windows user to select a local timezone.
JDK-8393337	Summary: Update Timezone Data to 2026e Description: Briefly: Manitoba moves to permanent -05 on 2026-10-31.
JDK-8393848	Summary: Align the JDK with Microsoft's new timezone name for Manitoba Description: Microsoft announced a new timezone name for Manitoba, per https://techcommunity.microsoft.com/blog/dstblog/interim-guidance-for-manitoba-permanent-dst-2026/4562488 JDK timezone data needs to be aligned with the registry key updates to allow a Windows user to select a local timezone.

Discontinued OS support

Note that Liberica JDK 25.0.5 is not available for and cannot be run on the following operating systems:

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

IANA TZ Data version

This release of Liberica JDK 25.0.5 comes with the 2026e version of the in-tree copy of the Time Zone Database. The following are the key features of this version.

Briefly

Manitoba moves to permanent -05 on 2026-10-31.

Changes to future timestamps

Manitoba's 2026-03-08 spring forward was its last foreseeable clock change, as it moved to permanent -05 thereafter. Model this with its traditional abbreviation EST. Although the change to permanent -05 legally takes place on 2026-10-31, temporarily model the change to occur on 2026-11-01 at 02:00 for the same reason as other recent temporary hacks. (Caution: see NOTE FOR 2026b TEMPORARY HACK FOR CLDR AND CANADA below.)

As the change affects both America/Winnipeg and its backward compatibility link, the obsolescent setting TZ="Canada/Central" will now use the abbreviation EST for affected timestamps, akin to TZ="Canada/Pacific" behavior introduced in 2026b.

Another TZDB release may be needed soon if any of the portions of northwestern Ontario historically aligned with America/Winnipeg do not follow. For now, given the short lead time with Manitoba's announcement, assume that they will, to avoid creating new zones that may not be needed if no divergence occurs.

NOTE FOR 2026b TEMPORARY HACK FOR CLDR AND CANADA

This temporary hack works around a Canadian timekeeping bug in Unicode CLDR 48 and earlier. Unfortunately it also causes zic 2023d through 2026a, in the default slim mode, to generate a TZif file that does not conform to Internet RFC 9636 §3.3. The buggy file in turn causes some TZif readers, including tzcode itself, to ignore America/Vancouver's 2026-11-01 02:00 transition from PDT (tm_isdst=1) to MST (tm_isdst=0). Although the buggy file does not cause any known TZif reader to mishandle UT offsets, caution is advised when using zic 2023d through 2026a to compile data from more-recent tz releases. To work around this problem when using these older zic versions, use 'zic -b fat'.

Changes to past timestamps

In 1925 Ireland fell back on 09-20 not 10-04.

Changes to commentary

Discussion on timekeeping practices in northwestern Ontario has been expanded in light of Manitoba's recent announcement. It is not yet known whether or to what extent these areas may adapt their own timekeeping practices in response.

For more information, see JDK-8393337.

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-2026-101516	6.5	security-libs	java.security	network	low	none	none	unchanged	low	low	none
CVE-2026-43660	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2026-46470	4.2	javafx	media	network	high	none	required	unchanged	low	none	low
CVE-2026-6732	5.9	javafx	libxml2	network	high	none	none	unchanged	none	none	high
CVE-2026-83374	5.9	security-libs	javax.crypto	network	high	none	none	unchanged	none	high	none
CVE-2026-83376	3.7	security-libs	java.security	network	high	none	none	unchanged	none	low	none
CVE-2026-83378	3.7	hotspot	compiler	network	high	none	none	unchanged	none	low	none
CVE-2026-83380	5.3	security-libs	javax.security	network	low	none	none	unchanged	low	none	none
CVE-2026-83381	4.8	security-libs	javax.security	network	high	none	none	unchanged	low	low	none
CVE-2026-83387	5.9	core-libs	java.sql	network	high	none	none	unchanged	high	none	none
CVE-2026-83395	3.7	core-libs	java.net	network	high	none	none	unchanged	none	low	none
CVE-2026-83400	5.3	xml	jaxp	network	low	none	none	unchanged	none	none	low
CVE-2026-87255	3.7	hotspot	compiler	network	high	none	none	unchanged	low	none	none
CVE-2026-87290	3.7	xml	jaxp	network	high	none	none	unchanged	low	none	none
CVE-2026-87291	5.3	core-libs	java.net	network	low	none	none	unchanged	low	none	none
CVE-2026-87292	3.7	core-libs	java.net	network	high	none	none	unchanged	none	low	none
CVE-2026-87294	6.5	security-libs	java.security	network	low	none	none	unchanged	low	low	none
CVE-2026-87367	3.7	xml	jaxp	network	high	none	none	unchanged	none	low	none
CVE-2026-91332	5.3	core-libs	java.net	network	low	none	none	unchanged	none	low	none
CVE-2026-91333	3.7	security-libs	javax.crypto	network	high	none	none	unchanged	none	low	none
CVE-2026-91334	3.7	client-libs	javax.imageio	network	high	none	none	unchanged	low	none	none
CVE-2026-91335	2.6	client-libs	java.awt	network	high	low	required	unchanged	low	none	none
CVE-2026-91373	5.3	security-libs	java.security	network	low	none	none	unchanged	none	none	low
CVE-2026-91374	4.8	core-svc	tools	network	high	none	none	unchanged	low	low	none
CVE-2026-91375	4.7	tools	jlink	local	high	none	required	unchanged	none	high	none
CVE-2026-91379	4.7	tools	jshell	local	high	none	required	unchanged	none	high	none

CVE ID	CVSS score	Component	Module	Attack Vector	Complexity	Privileges	User Interaction	Scope	Confidentiality	Integrity	Availability
CVE-2026-91380	4.0	core-libs	java.util	local	high	none	none	unchanged	low	low	none
CVE-2026-91382	6.5	client-libs	2d	network	high	none	none	unchanged	none	high	low
CVE-2026-91385	5.4	javafx	web	network	low	none	required	unchanged	low	low	none
CVE-2026-91394	5.9	core-libs	java.net	network	high	none	none	unchanged	high	none	none
CVE-2026-91397	3.6	core-svc	tools	local	high	none	required	unchanged	none	low	low
CVE-2026-91398	6.8	core-libs	java.net	network	high	none	none	changed	none	high	none
CVE-2026-91400	3.1	client-libs	javax.sound	network	high	none	required	unchanged	none	none	low
CVE-2026-91402	3.1	javafx	graphics	network	high	none	required	unchanged	low	none	none
CVE-2026-91410	5.3	core-libs	java.nio	network	low	none	none	unchanged	none	none	low
CVE-2026-91411	6.5	security-libs	org.ietf.jgss	network	high	none	none	unchanged	none	low	high
CVE-2026-91415	4.8	client-libs	2d	network	high	none	none	unchanged	low	low	none
CVE-2026-91418	5.3	client-libs	javax.imageio	network	low	none	none	unchanged	none	none	low
CVE-2026-91451	5.3	core-libs	java.net	network	low	none	none	unchanged	none	low	none
CVE-2026-91452	5.3	core-libs	java.net	network	low	none	none	unchanged	none	low	none
CVE-2026-91453	5.3	core-libs	java.net	network	low	none	none	unchanged	none	low	none
CVE-2026-91461	3.7	security-libs	javax.net.ssl	network	high	none	none	unchanged	none	low	none
CVE-2026-91462	5.9	security-libs	org.ietf.jgss	network	high	none	none	unchanged	none	high	none
CVE-2026-91463	5.3	security-libs	org.ietf.jgss	network	high	none	required	unchanged	high	none	none
CVE-2026-91464	5.3	security-libs	org.ietf.jgss	network	high	none	required	unchanged	high	none	none
CVE-2026-91477	3.1	javafx	graphics	network	high	none	required	unchanged	low	none	none
CVE-2026-91487	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-7067310	3 tests from closed/javax/sound/sampled caused BSOD on win 7 x86
JDK-8247690	RunTest does not support running of JTREG manual tests
JDK-8307574	ClipIsRunningAfterStop.java failed with "../nptl/pthread_mutex_lock.c:81: *pthread_mutex_lock: Assertion* `*mutex*→data.__owner == 0' failed."
JDK-8308395	javax/sound/sampled/Clip/ClipFlushCrash.java timed out
JDK-8314323	Implement JEP 527: TLS 1.3 Hybrid Key Exchange
JDK-8341382	EXCEPTION_ACCESS_VIOLATION in awt.dll after JDK-8185862
JDK-8343232	PKCS#12 KeyStore support for RFC 9879: Use of Password-Based Message Authentication Code 1 (PBMAC1)
JDK-8347007	--strip-debug removes parameter names included with -parameters
JDK-8347901	C2 should remove unused leaf / pure runtime calls
JDK-8348862	runtime/ErrorHandling/CreateCoredumpOnCrash fails on Windows aarch64

Issue ID	Summary
JDK-8349535	Refactor ./pkcs11/Provider/MultipleLogins.sh to java test
JDK-8351842	Windows specific issues in combination of JEP 493 and --with -external-symbols-in-bundles=public
JDK-8352565	Add native method implementation of Reference.get()
JDK-8352728	InternalError loading java.security due to Windows parent folder permissions
JDK-8354242	VectorAPI: combine vector not operation with compare
JDK-8356289	Shenandoah: Clean up SATB barrier runtime entry points
JDK-8357220	Introduce a BSMAttributeEntry struct
JDK-8360116	Add support for AVX10 floating point minmax instruction
JDK-8360595	OOM in java/foreign/TestUpcallStress.java
JDK-8360934	Add AVX-512 intrinsics for ML-KEM - enhancement on AVX512_VBMI
JDK-8361125	Fix typo in onTradAbsence
JDK-8362884	[GCC static analyzer] unix NetworkInterface.c addif leak on early returns
JDK-8362894	PKCS12 KeyStore PBMAC1 interoperability testing
JDK-8364106	Include java.runtime.version in thread dump output
JDK-8364305	Support AVX10 saturating floating point conversion instructions

Issue ID	Summary
JDK-8365153	AArch64: Set JVM flags for Neoverse N3 and V3 cores
JDK-8365199	Use a set instead of a list as the intermediary Klass* storage to reduce typeset processing
JDK-8365426	[macos26] Graphics2D tests fail on new macOS 26
JDK-8365498	jdk/jfr/event/os/TestCPULoad.java fails with Expected at least one event
JDK-8365579	ml64.exe is not the right assembler for Windows aarch64
JDK-8365893	test/jdk/java/lang/Thread/virtual/JfrEvents.java failing intermittently
JDK-8366037	Remove oopDesc::mark_addr()
JDK-8366926	Unexpected exception occurs when executing code in a "local" JShell environment
JDK-8367008	Algorithm identifiers for HmacSHA* should always have NULL as params
JDK-8367027	java/lang/ProcessBuilder/Basic.java fails on Windows AArch64
JDK-8367656	Refactor Constantpool’s operand array into two
JDK-8368073	PKCS11 HKDF can’t use byte array IKM in FIPS mode
JDK-8368514	TLS stateless session ticket decryption fails on some providers
JDK-8368520	TLS 1.3 KeyUpdate fails with SunPKCS11 provider
JDK-8368694	PKCS11-NSS generic keys generated by DH have leading zeroes stripped

Issue ID	Summary
JDK-8368861	[TEST] compiler/floatingpoint/ScalarFPtoIntCastTest.java expects x86 IR on non-x86 platforms
JDK-8369020	Test compiler/intrinsics/TestLongUnsignedDivMod.java completed and timed out
JDK-8369447	GenShen: Regulator thread may observe inconsistent states
JDK-8369488	Update to use jtreg 8.1
JDK-8370653	Fix race in CompressedClassSpaceSizeInJmapHeap.java
JDK-8371949	Upcall exception handler crashes with bad oop
JDK-8372044	Implementation Review Based on ML-KEM Security Considerations
JDK-8372154	AArch64: Match rule failure with some CompareAndSwap operand shapes
JDK-8372546	UnixMultiResolutionSplashTest.java fails intermittently on Ubuntu_24.04
JDK-8372584	[Linux]: Replace reading proc to get thread user CPU time with clock_gettime
JDK-8372615	Many container tests fail when running rootless on cgroup v1
JDK-8372625	[Linux] Remove unnecessary logic for supports_fast_thread_cpu_time
JDK-8372731	Detailed authentication failure messages
JDK-8372757	MacOS, Accessibility: Crash in [MenuAccessibility accessibilityChildren] after JDK-8341311

Issue ID	Summary
JDK-8373246	JDK-8351842 broke native debugging on Linux
JDK-8373557	Remove stale comments after JDK-8372584
JDK-8373677	Clear text HttpServer connection could fail fast if receiving SSL ClientHello
JDK-8373820	C2: Robust Node::uncast_helper infinite loop check
JDK-8374755	ML-KEM's 12-bit decompression can be simplified on aarch64
JDK-8374886	CAInterop.java#microsoftrsa2017 test fails as EE certificate does not specify OCSP responder
JDK-8375125	assert(false) failed: "Attempting to acquire lock NativeHeapTrimmer_lock/nosafepoint out of order with lock ConcurrentHashTableResize_lock/nosafepoint-2 — possible deadlock" when using native heap trimmer
JDK-8375275	Error handling to raise illegal_parameter or internal_error alert in hybrid key exchange
JDK-8375352	java/net/httpclient/ConnectTimeoutWithProxy*.java tests fail on EC2
JDK-8375571	Compiler crash when using record pattern matching with a generic type parameter shadowing a record class
JDK-8376355	Update to use jtreg 8.2.1
JDK-8376400	C2: folding ifs may cause incorrect execution when trap is taken
JDK-8376472	Shenandoah: Assembler store barriers read destination memory despite the decorators

Issue ID	Summary
JDK-8377983	(zipfs) ZipFileSystem.initCEN needlessly reads END header
JDK-8377990	Zero: Replace Java math ops with UB-safe implementations
JDK-8377991	TestLimitsUpdating.java fails with runtime exception even after JDK-8370492 is fixed
JDK-8377992	(zipfs) Align ZipFileSystem END header validation with the ZipFile implementation
JDK-8378080	Zero: JNIEnv argument is corrupted in native calls
JDK-8378180	Compiling OpenJDK with C23 C-Compiler gives warning: initialization discards ‘const’ qualifier from pointer target type
JDK-8378211	Test ChangedJarFile.java failed: missing "timestamp has changed"
JDK-8378462	Build fails with --enable-linktime-gc set when using some devkits/toolchains
JDK-8378506	[macOS] Window content not updated when rendering to multiple windows
JDK-8378713	C2: performance regression due to missing constant folding for Math.pow()
JDK-8378838	Fix issues with "dead" code elimination and serviceability agent in libjvm.so on Linux
JDK-8378946	threadDump.schema.json syntax error, missing comma after owner
JDK-8379129	C2 crash in LoadNode::can_split_through_phi_base during Escape Analysis (JDK 25.0.1+8)

Issue ID	Summary
JDK-8379433	Throwing proper exception for invalid encapsulation length in Hybrid
JDK-8379516	Adjust JVM debug helper exports
JDK-8380223	Refactor test/jdk/sun/util/resources TestNG tests to JUnit
JDK-8380390	Shenandoah: Missing store barrier when resetting bitmaps
JDK-8380641	Thread dump parsing and test improvements
JDK-8380715	Enhance PKCS5 padding
JDK-8380896	Reduce runtime for MonitorVmStartTerminate.java on hosts with a lot of VMs
JDK-8380993	[REDO] Incorrect Interpretation of POSIX TZ Environment Variable on AIX
JDK-8381379	Support std/dstOffset attributes in CLDR’s metazone definitions
JDK-8381771	Add a check for DNS label not to end with a hyphen
JDK-8381840	Lots of /tmp/8173970-<number> folders on test machines
JDK-8382063	Jtreg test javax/swing/SwingWorker/TestDoneBeforeDoInBackground.java fails
JDK-8382150	Shenandoah: Clean up nmethod entry barrier support
JDK-8382166	[AOT Cache] CRC was not checked on Code Region
JDK-8382178	Enhance TLS certificate handling

Issue ID	Summary
JDK-8382222	sun/security/ssl/SSLSocketImpl/SSLSocketBruteForceClose.java fails sporadically
JDK-8382378	Improve C2 loop transformations
JDK-8382407	Enhance LDAP Lookups
JDK-8382608	Shenandoah: STS yield deadlocks in OOM-evac scope
JDK-8382815	C2: Reference intrinsics are broken by shadow "referent" field
JDK-8382933	Improve Shenandoah clone barrier tests
JDK-8383047	Enhance LDAP logins
JDK-8383076	Enhance SASL Authentication
JDK-8383196	Shenandoah: Interpreter barriers clobber interpreter registers
JDK-8383281	Enhance MD5 Digesting
JDK-8383301	Enhance WebRowSets
JDK-8383439	Enhance HTTP Client Response Handling
JDK-8383530	Enhance Javadoc Searching
JDK-8383611	assert(count == os::processor_count() + 1) failed: invalid enumeration!
JDK-8383642	Additional Shenandoah clone barrier tests
JDK-8383679	Enhance Certificate Name Checks

Issue ID	Summary
JDK-8383689	Enhance Vector Processing
JDK-8383699	Enhance XPath Expressions
JDK-8383745	Enhance HTTP Server
JDK-8383756	Enhance Network Clients
JDK-8383910	klass_or_null_acquire asserts on null when using compact object headers
JDK-8384021	Enhance Certificate Constraint Checking
JDK-8384031	Enhance XML Processing
JDK-8384161	[PPC64] Consolidate code related to calls in nmethods that use trampoline stubs
JDK-8384165	Improve ciphertext handling
JDK-8384274	Shenandoah: GC checks in C1 LRB clobber fastpath result
JDK-8384445	Enhance JPEG loading
JDK-8384455	Enhance DataFlavor
JDK-8384468	Enhance jpackage Packaging
JDK-8384654	Enhance Template Handling
JDK-8384664	Enhance Image Handling
JDK-8384688	Enhance jmod handling

Issue ID	Summary
JDK-8384736	Enhance JShell 8387235: JShell tests failing
JDK-8384746	Enhance Preferences
JDK-8384771	Enhance TLS handshakes
JDK-8384804	JMX remote bootstrap tests fail on Windows
JDK-8384872	Enhance HTTP Client
JDK-8384930	Enhance jstatd
JDK-8385165	[ubsan] TestDockerMemoryMetricsSubgroup.java jtreg test fails with ubsan-enabled binaries
JDK-8385166	PPC: C2: c_return_value and return_value should not set 2nd OptoRegPair for Op_RegI
JDK-8385180	Shenandoah: Load klass once in marking task
JDK-8385209	Enhance HTTP client caching
JDK-8385249	Enhance diagnostic sessions
JDK-8385260	Enhance SOCKS5 support
JDK-8385454	Provide more NUMA related information in hsinfo/hserr files
JDK-8385476	Enhance MIDI file handling
JDK-8385507	Bump update version for OpenJDK: jdk-25.0.5
JDK-8385584	CAInterop.java#buypassclass3ca fails with Intermediate Root CA not found in the chain

Issue ID	Summary
JDK-8385817	Headless jdk still contains bin/jconsole
JDK-8386013	Enhance EventListenerList
JDK-8386187	Enhance font rendering
JDK-8386273	Some javax/sound/sampled tests fail on systems with high CPU core number and running with high concurrency
JDK-8386345	Remove redundant @requires from TestGarbageCollectionEventWithZMinor
JDK-8386515	Enhance HTTP server parsing
JDK-8386525	Enhance HTTP Server Handler
JDK-8386535	Improve HTTP headers
JDK-8386551	Windows build broken because of MSys2/Make update
JDK-8386552	Enhance GIF loading
JDK-8386578	double_keccak stub does not set its return value on x86
JDK-8386600	Fix comparison checks in DHasKEM
JDK-8386783	WebRowSet empty elements read value of previous element
JDK-8386798	Shenandoah: Missing load barrier when making assertions about mark bitmap
JDK-8386852	Lower peak throughput with AOTCache
JDK-8386923	Enhance TLS Extensions

Issue ID	Summary
JDK-8387015	C2: crash with "named projection 2 not found" from ArrayCopyNode::finish_transform() for clone
JDK-8387074	Remove duplicate handling of sparc in platform.m4
JDK-8387075	RemoteHostImpl constructor correction (jstatd)
JDK-8387123	Remove LuxTrust Global Root CA
JDK-8387124	Incomplete algorithm decomposition for TLS 1.3 cipher suites in SSLAlgorithmDecomposer
JDK-8387152	Enhance krb5 tokens
JDK-8387217	Enhance krb5 client
JDK-8387238	Enhance Kerberos validation
JDK-8387381	RISC-V: assert failed with fastdebug build on systems with different core types
JDK-8387391	hotspot_gc_shenandoah should include gtests
JDK-8387414	Insufficient feature gate in vm_version_x86 for UseKyberIntrinsics
JDK-8387593	Using XOR mode to clear the content leaves some traces in metal
JDK-8387625	Add "dt_socket" to `CheckedFeatures.notImplemented` for Windows/ARM64
JDK-8387874	Timeout when running test BulkCipherDisabledAlgorithms
JDK-8387985	sun/tools/jstat shell tests fail on platforms that do not support ParallelGC

Issue ID	Summary
JDK-8388214	(tz) Update Timezone Data to 2026c
JDK-8388449	GenShen: Degenerated cycle could be skipped
JDK-8388538	com/sun/net/httpserver/simpleserver/jwebserver/MaxRequestTimeTest.java does not test the maximum request time
JDK-8388703	Launching with AOT cache fatally crashes with SIGILL (0x4) depending on available CPU instructions
JDK-8388809	Shenandoah: Control thread may observe incorrect cancellation reason
JDK-8388872	Avoid unused variables warnings in libj2pkcs11
JDK-8389312	RISC-V: vector_update_crc32 wrongly assumes undisturbed tail elements
JDK-8389453	[unix] Avoid unused variables warnings in libj2pkcs11 and adjust malloc rv handling
JDK-8389648	[TEST_BUG] java/awt/TextField/CaretPositionTest/CaretPositionTest.java fails in OL-9
JDK-8390033	Disable stringop-overflow in shenandoahHeap.cpp
JDK-8390380	Cherry-pick metazone changes from CLDR to support tzdata2026c for JDK update releases
JDK-8390388	Cherry-pick tz attributes from newer CLDR data for jdk25u and earlier
JDK-8390400	Enhance C2 comparisons

Issue ID	Summary
JDK-8390441	RISC-V: Fix C2 stack-to-stack spill copies with large offsets
JDK-8390654	Test gc/TestUseGCOverheadLimit.java#G1 fails on linux-arm32
JDK-8391256	TestZoneTextPrinterParser.java assertion fails with expected: <Mountain Standard Time> but was: <Mountain Daylight Time>
JDK-8392072	Follow-on fix for Improve certification checking
JDK-8392377	(tz) Update Timezone Data to 2026d
JDK-8392519	Cherry-pick metazone changes from CLDR for tzdata2026d, for JDK update release
JDK-8392526	Cherry-pick BCP 47 time zone changes from CLDR for tzdata2026d, for JDK update releases
JDK-8392538	Align the JDK with Microsoft's new timezone names for British Columbia/Alberta
JDK-8393337	(tz) Update Timezone Data to 2026e
JDK-8393344	Cherry-pick metazone changes from CLDR to support tzdata2026e for JDK update releases
JDK-8393848	Align the JDK with Microsoft's new timezone name for Manitoba

JFX issues

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

Issue ID	Summary
JDK-8340564	[macOS] Intermittent build failure in native font with parallel compilation
JDK-8360586	JavaFX build uses deprecated features that will be removed in gradle 9
JDK-8379561	Remove UNICODE related code from GLib
JDK-8380556	Update WebKit to 625.1
JDK-8383209	Improve JavaFX Scripting Support
JDK-8383219	Enhance JavaFX Document Loading
JDK-8383229	Enhance JavaFX Image Loading
JDK-8383252	Enhance JavaFX DnD
JDK-8383312	Enhance JavaFX CSS Handling
JDK-8383322	Enhance JavaFX Clipboard
JDK-8383332	Improve JavaFX Input Methods
JDK-8383333	Improve JavaFX Drag and Drop
JDK-8383356	Improve JavaFX Rich Text Formatting
JDK-8384522	Update libxml2 to 2.15.3
JDK-8384809	Update GStreamer to 1.28.3
JDK-8385198	Enhance JavaFX Resource Loading

Issue ID	Summary
JDK-8386486	Improve graphics rendering
JDK-8386859	WebView crashes when calling document.startViewTransition()
JDK-8387337	GlassClipboard: Replace deprecated hash_map and hash_set
JDK-8388451	Additional WebKit 625.1 fixes from WebKitGTK 2.52.5
JDK-8388783	Custom String data cannot be read from the clipboard after JDK-8383252
JDK-8389176	Enhance JavaFX image handling
JDK-8389515	Memory leak in dshowwrapper - decoded buffers delivered by CSink are never unmapped
JDK-8389783	Crash in JavaFX native glass toolkit during Timer shutdown
JDK-8390084	Change JavaFX release version to 25.0.5 in jfx25u
JDK-8390652	Additional WebKit 625.1 fixes from WebKitGTK 2.52.6
JDK-8391652	Snapshot test failures after JDK-8389176

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.



Liberica JDK 25.0.5+11

Release Notes

bellsoft