

# Liberica JDK 25.0.2+12

## Release Notes



Liberica JDK  
25.0.2  
January 20, 2026

**bellsoft**

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# 1. Version information

This document provides information about Liberica JDK 25.0.2 release. The full version string for this update release is 25.0.2+12. 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-8361212	<p><b>Summary:</b> Removed Four AffirmTrust Root Certificates</p> <p><b>Description:</b> 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</p>
JDK-8364556	<p><b>Summary:</b> Disabled SymbolTableStatistics and StringTableStatistics in default.jfc</p> <p><b>Description:</b> SymbolTableStatistics and StringTableStatistics events are disabled in default.jfc. It is sufficient for them to be enabled in profile.jfc.</p>

Issue ID	
JDK-8364993	<p>Summary: Disabled <code>jdk.ModuleExport</code> in <code>default.jfc</code></p> <p>Description: Some applications with lots of code can produce an enormous number of <code>ModuleExport</code> events and associated constant pool data. These events provide practically no value.</p> <p><code>jdk.ModuleExport</code> has been disabled in <code>default.jfc</code>. Users who want to diagnose module exports can easily run a small recording using the profile setting, or opt-in for the event as follows:</p> <pre>\$ java -XX:StartFlightRecording:settings=profile ...; \$ java -XX:StartFlightRecording:jkd.ModuleExport#enabled=true ...</pre>
JDK-8365086	<p>Summary: <code>CookieStore.getURIs()</code> and <code>get(URI)</code> return an immutable List</p> <p>Description: <code>CookieStore.getURIs</code> now returns 'an immutable list of URIs and returns an empty list if no cookie in this cookie store is associated with an URI' as described in its JavaDoc.</p>
JDK-8366434	<p>Summary: THP not working properly with G1 after JDK-8345655</p> <p>Description: G1, the default garbage collector, can again properly utilize Transparent Huge Pages (THP) on systems with the THP mode configured as <code>madvise</code>. The issue preventing the option <code>-XX:+UseTransparentHugePages</code> from enabling THP has been resolved.</p>
JDK-8366434	<p>Summary: <code>-XX:+UseTransparentHugePages</code> again enables Transparent Huge Pages for G1</p> <p>Description: G1, the default garbage collector, can again properly utilize Transparent Huge Pages (THP) on systems with the THP mode configured as <code>madvise</code>. The issue preventing the option <code>-XX:+UseTransparentHugePages</code> from enabling THP has been resolved.</p>

Issue ID	
JDK-8367031	<p>Summary: [backout] Change java.time month/day field types to 'byte'</p> <p>Description: A regression in the serialization of <code>java.time</code> class objects was resolved by reverting incompatible changes to the types of primitive fields. Previous changes to the primitive fields caused the serialized class objects to be incompatible with previous versions.</p>
JDK-8367237	<p>Summary: Added a thread-Safety Usage Warning for <code>java.text.Collator</code> Classes</p> <p>Description: Re-using a <code>java.text.Collator</code> instance in a multi-threaded environment leads to slower than expected performance. Since the state is mutable, and thread-safety achieved via synchronization, concurrent usage leads to threads stuck in a blocked state for significant periods of time. Using a dedicated instance per each thread leads to better performance and (of course) resolves the thread contention issues reported when using a single instance concurrently. Note that since the <code>Collator</code> and <code>RuleBasedCollator</code> classes are designed to be thread-safe and it is not a goal to label all such implementations as non thread-safe, the following wording is done as implementation-specific. An implementation note is provided suggesting to users that creating a new <code>Collator</code> instance per each thread is the suggested approach. It also calls out the potential thread contention when used otherwise. This applies to both <code>Collator</code> and <code>RuleBasedCollator</code>, where the former (which is an abstract class) warns about instances returned by the factory methods when the standard provider is in use.</p>

## Discontinued OS support

Note that Liberica JDK 25.0.2 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 25.0.2 comes with the 2025b version of the in-tree copy of the [IANA timezone database](#). The following are the key features of this version.

### 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-2025-43368	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-47219	3.1	javafx	media	network	high	none	required	unchanged	low	none	none
CVE-2025-6021	5.9	javafx	web	network	high	none	none	unchanged	none	none	high
CVE-2025-6052	3.7	javafx	media	network	high	none	none	unchanged	none	none	low
CVE-2025-7424	5.5	javafx	web	local	low	none	required	unchanged	none	none	high
CVE-2025-7425	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2026-21925	4.8	core-libs	java.rmi	network	high	none	none	unchanged	low	low	none
CVE-2026-21932	7.4	client-libs	java.awt	network	low	none	required	changed	none	high	none
CVE-2026-21933	6.1	core-libs	java.net	network	low	none	required	changed	low	low	none
CVE-2026-21945	7.5	security-libs	java.security	network	low	none	none	unchanged	none	none	high
CVE-2026-21947	3.1	javafx	web	network	high	none	required	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-8023263	[TESTBUG] Test closed/java.awt.Focus/InactiveWindowTest/InactiveFocusRace fails due to not enough time to initialize graphic components
JDK-8162380	[TEST_BUG] MouseEvent/... /AltGraphModifierTest.java has only "Fail" button
JDK-8201778	Speed up test javax/net/ssl/DTLS/PacketLossRetransmission.java
JDK-8265429	Improve GCM encryption
JDK-8277444	Data race between JvmtiClassFileReconstituter::copy_bytecodes and class linking
JDK-8279005	sun/tools/jstat tests do not check for test case exit codes after JDK-8245129
JDK-8304811	vmTestbase/vm/mlvm/indy/func/jvmti/stepBreakPopReturn/INDIFY_Test.java fails with JVMTI_ERROR_TYPE_MISMATCH

Issue ID	Summary
JDK-8305567	serviceability/tmtools/jstat/GcTest01.java failed utils.JstatGcResults.assertConsistency
JDK-8317801	java/net/Socket/asyncClose/Race.java fails intermittently (aix)
JDK-8320836	jtreg gtest runs should limit heap size
JDK-8325766	Extend CertificateBuilder to create trust and end entity certificates programmatically
JDK-8333526	Restructure java/nio/channels/DatagramChannel/StressNati veSignal.java to a fail fast exception handling policy
JDK-8333783	java/nio/channels/FileChannel/directio/DirectIO Test.java is unstable with AV software
JDK-8334238	Enhance AddLShortcutTest jpackage test
JDK-8335986	Test javax/swing/JCheckBox/4449413/bug4449413. java fails on Windows 11 x64 because RBMenuItem's and CBMenuItem's checkmark on the left side are not visible
JDK-8341496	Improve JMX connections
JDK-8343218	Add option to disable allocating interface and abstract classes in non-class metaspace
JDK-8343546	GHA: Cache required dependencies in master- branch workflow

Issue ID	Summary
JDK-8345810	Custom launchers must be linked with pthread to avoid dynamic linker issues
JDK-8346753	Test javax/swing/JMenuItem/RightLeftOrientation/RightLeftOrientation.java fails on Windows Server 2025 x64 because the icons of RBMenuItem and CBMenuItem are not visible in Nimbus LookAndFeel
JDK-8346839	[TESTBUG] "java/awt/textfield/setechochartest4/setechochartest4.java" failed because the test frame disappears on clicking "Click Several Times" button
JDK-8346884	Add since checker test to jdk.editpad
JDK-8346952	GetGraphicsStressTest.java fails: Native resources unavailable
JDK-8347277	java/awt/Focus/ComponentLostFocusTest.java fails intermittently
JDK-8349188	LineBorder does not scale correctly
JDK-8350621	Code cache stops scheduling GC
JDK-8351487	[ubsan] jvmti.h runtime error: load of value which is not a valid value
JDK-8352016	Improve java/lang/RuntimeTests/RuntimeExitLogTest.java

Issue ID	Summary
JDK-8352637	Enhance bytecode verification
JDK-8354348	Enable Extended EVEX to REX2/REX demotion for commutative operations with same dst and src2
JDK-8354415	[Ubuntu25.04] api/java_awt/GraphicsDevice/indexTGF.html#SetDisplayMode - setDisplayMode_REFRESH_RATE_UNKNOWN fails: Height is different on vnc
JDK-8354447	Missing test for retroactive @SuppressWarnings("dangling-doc- comments") behavior
JDK-8354646	java.awt.TextField allows to identify the spaces in a password when double clicked at the starting and end of the text
JDK-8355478	DoubleActionESC.java fails intermittently
JDK-8356294	Enhance Path Factories
JDK-8356324	JVM crash (SIGSEGV at ClassListParser::resolve_indy_impl) during -Xshare:dump starting from 21.0.5
JDK-8356897	Update NSS library to 3.111
JDK-8357064	cds/appcds/ArchiveRelocationTest.java failed with missing expected output
JDK-8357141	Update to use jtreg 7.5.2

Issue ID	Summary
JDK-8357382	runtime/cds/appcds/aotClassLinking/BulkLoaderTest.java#aot fails with Xcomp and C1
JDK-8357396	Refactor nmethod::make_not_entrant to use Enum instead of "const char*"
JDK-8357691	File blocked.certs contains bad content when boot jdk 25 is used, sun/security/lib/CheckBlockedCerts.java failing
JDK-8357694	RISC-V: Several IR verification tests fail when vlen=128
JDK-8357799	Improve instructions for JFileChooser/HTMLFileName.java
JDK-8357816	Add test from JDK-8350576
JDK-8357822	C2: Multiple string optimization tests are no longer testing string concatenation optimizations
JDK-8357959	(bf) ByteBuffer.allocateDirect initialization can result in large TTSP spikes
JDK-8358048	java/net/httpclient/HttpsTunnelAuthTest.java incorrectly calls Thread::stop
JDK-8358340	Support CDS heap archive with Generational Shenandoah
JDK-8358532	JFileChooser in GTK L&F still displays HTML filename

Issue ID	Summary
JDK-8358535	Changes in ClassValue (JDK-8351996) caused a 1-9% regression in Renaissance-PageRank
JDK-8358556	Assert when running with -XX: -UseLibmIntrinsic
JDK-8358685	[TEST] AOTLoggingTag.java failed with missing log message
JDK-8358697	TextLayout/MyanmarTextTest.java passes if no Myanmar font is found
JDK-8358723	jpackage signing issues: the main launcher doesn't have entitlements
JDK-8358748	Large page size initialization fails with assert "page_size must be a power of 2"
JDK-8358751	C2: Recursive inlining check for compiled lambda forms is broken
JDK-8358813	JPasswordField identifies spaces in password via delete shortcuts
JDK-8359061	Update and ProblemList manual test java.awt.Cursor/CursorDragTest/ListDragCursor.java
JDK-8359104	gc/TestAlwaysPreTouchBehavior.java#<gcname> fails on Linux
JDK-8359105	RISC-V: No need for acquire fence in safepoint poll during JNI calls

Issue ID	Summary
JDK-8359127	Amend java/nio/channels/DatagramChannel/PromiscuousIPv6.java to use @requires for OS platform selection
JDK-8359167	Remove unused test/hotspot/jtreg/vmTestbase/nsk/share/jpda/BindServer.java
JDK-8359207	Remove runtime/signal/TestSigusr2.java since it is always skipped
JDK-8359423	Improve error message in case of missing jsa shared archive
JDK-8359428	Test 'javax/swing/JTabbedPane/bug4499556.java' failed because after selecting one of L&F items, the test case automatically failed when clicking on L&F Menu button again
JDK-8359449	[TEST] open/test/jdk/java/io/File/SymLinks.java Refactor extract method for Windows specific test
JDK-8359477	com/sun/net/httpserver/Test12.java appears to have a temp file race
JDK-8359501	Enhance Handling of URIs
JDK-8359687	Use PassFailJFrame for java.awt/print/Dialog/DialogType.java
JDK-8359690	New test TestCPUTimeSampleThrottling still fails intermittently

Issue ID	Summary
JDK-8359735	[Ubuntu 25.10] java/lang/ProcessBuilder/Basic.java, java/lang/ProcessHandle/InfoTest.java fail due to rust-coreutils
JDK-8359827	Test runtime/Thread/ThreadCountLimit.java need loop increasing the limit
JDK-8360022	ClassRefDupInConstantPoolTest.java fails when running in repeat
JDK-8360090	[TEST] RISC-V: disable some cds tests on qemu
JDK-8360178	TestArguments.atojulong gtest has incorrect format string
JDK-8360219	[AIX] assert(locals_base >= l2) failed: bad placement
JDK-8360255	runtime/jni/checked/TestLargeUTF8Length.java fails with -XX:-CompactStrings
JDK-8360408	[TEST] Use @requires tag instead of exiting based on "os.name" property value for sun/net/www/protocol/file/FileURLTest.java
JDK-8360411	[TEST] open/test/jdk/java/io/File/MaxPathLength.java Refactor extract method to encapsulate Windows specific test logic
JDK-8360518	Docker tests do not work when asan is configured

Issue ID	Summary
JDK-8360520	RISC-V: C1: Fix primitive array clone intrinsic regression after JDK-8333154
JDK-8360647	[XWayland] [OL10] NumPad keys are not triggered
JDK-8360664	Null pointer dereference in src/hotspot/share/prims/jvmtiTagMap.cpp in IterateOverHeapObjectClosure::do_object()
JDK-8360783	CTW: Skip deoptimization between tiers
JDK-8360791	[ubsan] Adjust signal handling
JDK-8360867	CTW: Disable inline cache verification
JDK-8360981	Remove use of Thread.stop in test/jdk/java/net/Socket/DeadlockTest.java
JDK-8361112	Use exact float → Float16 conversion method in Float16 tests
JDK-8361180	Disable CompiledDirectCall verification with -VerifyInlineCaches
JDK-8361198	[AIX] fix misleading error output in thread_cpu_time_unchecked
JDK-8361211	C2: Final graph reshaping generates unencodeable klass constants
JDK-8361212	Remove AffirmTrust root CAs
JDK-8361215	Add AOT test case: verification constraint classes are excluded

Issue ID	Summary
JDK-8361253	CommandLineOptionTest library should report observed values on failure
JDK-8361255	CTW: Tolerate more NCDFE problems
JDK-8361298	SwingUtilities/bug4967768.java fails where character P is not underline
JDK-8361314	Test serviceability/jvmti/VMEvent/MyPackage/VMEventRecursionTest.java FATAL ERROR in native method: Failed during the GetClassSignature call
JDK-8361367	AOT ExcludedClasses.java test failed with missing constant pool logs
JDK-8361423	Add IPSupport::printPlatformSupport to java/net/NetworkInterface/IPv4Only.java
JDK-8361449	RISC-V: Code cleanup for native call
JDK-8361478	GHA: Use MSYS2 from GHA runners
JDK-8361494	[IR Framework] Escape too much in replacement of placeholder
JDK-8361497	Scoped Values: orElse and orElseThrow do not access the cache
JDK-8361504	RISC-V: Make C1 clone intrinsic platform guard more specific
JDK-8361520	Stabilize SystemGC benchmarks

Issue ID	Summary
JDK-8361599	[PPC64] enable missing tests via jtreg requires
JDK-8361711	Add library name configurability to PKCS11Test.java
JDK-8361748	Enforce limits on the size of an XBM image
JDK-8361839	Problemlist BogusFocusableWindowState due to failures in the CI pipeline
JDK-8361868	[GCC static analyzer] complains about missing calloc - NULL checks in p11_util.c
JDK-8361871	[GCC static analyzer] complains about use of uninitialized value ckpObject in p11_util.c
JDK-8361888	[GCC static analyzer] ProcessImpl_md.c Java_java_lang_ProcessImpl_forkAndExec error: use of uninitialized value '*(ChildStuff *)p.mode
JDK-8361892	AArch64: Incorrect matching rule leading to improper oop instruction encoding
JDK-8361897	gc/z/TestUncommit.java fails with Uncommitted too slow
JDK-8361948	Shenandoah: region free capacity unit mismatch
JDK-8361950	Update to use jtreg 8
JDK-8361959	[GCC static analyzer] java_props_md.c leak of 'temp' variable is reported

Issue ID	Summary
JDK-8362107	Update the Jan CPU26_01 release date in master branch after forking Oct CPU25_10
JDK-8362123	ClassLoader Leak via Executors.newSingleThreadExecutor(...)
JDK-8362169	Pointer passed to upcall may get wrong scope
JDK-8362204	test/jdk/sun.awt/font/TestDevTransform.java fails on Ubuntu 24.04
JDK-8362207	Add more test cases for possible double-rounding in fma
JDK-8362282	runtime/logging/StressAsyncUL.java failed with exitValue = 134
JDK-8362308	Enhance Bitmap operations
JDK-8362379	Test serviceability/HeapDump/UnmountedVThread NativeMethodAtTop.java should mark as /native
JDK-8362390	AIX make fails in awt_GraphicsEnv.c
JDK-8362482	[TESTBUG] serviceability/HeapDump/UnmountedVThread NativeMethodAtTop.java: System.gc() does not provide full GC
JDK-8362501	Update test/hotspot/jtreg/applications/jcstress/README

Issue ID	Summary
JDK-8362515	RISC-V: cleanup NativeFarCall
JDK-8362516	Support of GCC static analyzer (-fanalyzer)
JDK-8362530	VM crash with -XX:+PrintTieredEvents when collecting AOT profiling
JDK-8362532	Test gc/g1/plab/* duplicate command-line options
JDK-8362533	Tests sun/management/jmxremote/bootstrap/* duplicate VM flags
JDK-8362581	Timeouts in java/nio/channels/SocketChannel/OpenLeak.java on UNIX
JDK-8362582	GHA: Increase bundle retention time to deal with infra overload better
JDK-8362596	RISC-V: Improve _vectorizedHashCode intrinsic
JDK-8362602	Add test.timeout.factor to CompileFactory to avoid test timeouts
JDK-8362632	Improve HttpServer Request handling
JDK-8362834	Several runtime/Thread tests should mark as /native
JDK-8362836	JFR: Broken pipe in jdk/jfr/event/io/TestIOTopFrame.java
JDK-8362838	RISC-V: Incorrect matching rule leading to improper oop instruction encoding

Issue ID	Summary
JDK-8362855	Test <code>java/net/ipv6tests/TcpTest.java</code> should report <code>SkippedException</code> when there no <code>ia4addr</code> or <code>ia6addr</code>
JDK-8362889	[GCC static analyzer] leak in <code>libstringPlatformChars.c</code>
JDK-8362972	C2 fails with unexpected node in SuperWord truncation: <code>IsFiniteF</code> , <code>IsFiniteD</code>
JDK-8363676	[GCC static analyzer] missing return value check of <code>malloc</code> in <code>OGLContext_SetTransform</code>
JDK-8363696	Update the release version and date for OpenJDK 25u
JDK-8363720	Follow up to JDK-8360411 with post review comments
JDK-8363895	Minimal build fails with slowdebug builds after JDK-8354887
JDK-8363898	RISC-V: <code>TestRangeCheckHoistingScaledIV.java</code> fails after JDK-8355293 when running without RVV
JDK-8363910	Avoid tuning for Power10 CPUs on Linux <code>ppc64le</code> when <code>gcc &lt; 10</code> is used
JDK-8363928	Specifying <code>AOTCacheOutput</code> with a blank path causes the JVM to crash
JDK-8363965	GHA: Switch cross-compiling sysroots to Debian bookworm

Issue ID	Summary
JDK-8363966	GHA: Switch cross-compiling sysroots to Debian trixie
JDK-8364090	Dump JFR recording on CrashOutOfMemoryError
JDK-8364111	InstanceMirrorKlass iterators should handle CDS and hidden classes consistently
JDK-8364114	Test TestHugePageDecisionsAtVMStartup.java#LP_enabled fails when no free hugepage
JDK-8364120	RISC-V: unify the usage of MacroAssembler::instruction_size
JDK-8364150	RISC-V: Leftover for JDK-8343430 removing old trampoline call
JDK-8364177	JDK fails to build due to undefined symbol in libpng on LoongArch64
JDK-8364184	[REDO] AArch64: [VectorAPI] sve vector math operations are not supported after JDK-8353217
JDK-8364190	JFR: RemoteRecordingStream withers don't work
JDK-8364198	NMT should have a better corruption message
JDK-8364199	Enhance list of environment variables printed in hserr/hsinfo file
JDK-8364212	Shenandoah: Rework archived objects loading

Issue ID	Summary
JDK-8364214	Enhance polygon data support
JDK-8364235	Fix for JDK-8361447 breaks the alignment requirements for GuardedMemory
JDK-8364257	JFR: User-defined events and settings with a one-letter name cannot be configured
JDK-8364263	HttpClient: Improve encapsulation of ProxyServer
JDK-8364296	Set IntelJccErratumMitigation flag ergonomically
JDK-8364352	Some tests fail when using a limited number of pregenerated .jsa CDS archives
JDK-8364454	ProblemList runtime/cds/DeterministicDump.java on macos for JDK-8363986
JDK-8364503	gc/g1/TestCodeCacheUnloadDuringConcCycle. java fails because of race printing to stdout
JDK-8364514	[asan] runtime/jni/checked/TestCharArrayReleasing.java heap-buffer-overflow
JDK-8364556	JFR: Disable SymbolTableStatistics and StringTableStatistics in default.jfc
JDK-8364597	Replace THL A29 Limited with Tencent
JDK-8364611	(process) Child process SIGPIPE signal disposition should be default

Issue ID	Summary
JDK-8364660	ClassVerifier::ends_in_athrow() should be removed
JDK-8364764	java/nio/channels/vthread/BlockingChannelOps.java subtests timed out
JDK-8364786	Test java/net/vthread/HttpALot.java intermittently fails - 24999 handled, expected 25000
JDK-8364984	Many jpackage tests are failing on Linux after JDK-8334238
JDK-8364993	JFR: Disable jdk.ModuleExport in default.jfc
JDK-8364996	java.awt/font/FontNames/LocaleFamilyNames.java times out on Windows
JDK-8365058	Enhance CopyOnWriteArraySet
JDK-8365071	ARM32: JFR intrinsic jvm_commit triggers C2 regalloc assert
JDK-8365086	CookieStore.getURIs() and get(URI) should return an immutable List
JDK-8365165	Zap C-heap memory at delete/free
JDK-8365166	ARM32: missing os::fetch_bcp_from_context implementation
JDK-8365168	Use 64-bit aligned addresses for CK ULONG access in PKCS11 native key code

Issue ID	Summary
JDK-8365200	RISC-V: compiler/loopopts/superword/TestGeneralizedReductions.java fails with Zvbb and vlen=128
JDK-8365206	RISC-V: compiler/c2/irTests/TestFloat16ScalarOperations.java is failing on riscv64
JDK-8365240	[asan] exclude some tests when using asan enabled binaries
JDK-8365260	Problemlist 1 test due to failures in the CI pipeline
JDK-8365265	x86 short forward jump exceeds 8-bit offset in methodHandles_x86.cpp when using Intel APX
JDK-8365271	Improve Swing supports
JDK-8365280	Enhance JOptionPane
JDK-8365302	RISC-V: compiler/loopopts/superword/TestAlignVector.java fails when vlen=128
JDK-8365307	AIX make fails after JDK-8364611
JDK-8365312	GCC 12 cannot compile SVE on aarch64 with auto-var-init pattern
JDK-8365389	Remove static color fields from SwingUtilities3 and WindowsMenuItemUI

Issue ID	Summary
JDK-8365425	[macos26] javax/swing/JInternalFrame/8160248/JInternalFrameDraggingTest.java fails on macOS 26
JDK-8365442	[asan] runtime/ErrorHandling/CreateCoredumpOnCrash.java fails
JDK-8365468	EagerJVMCI should only apply to the CompilerBroker JVMCI runtime
JDK-8365487	[asan] some oops (mode) related tests fail
JDK-8365543	UnixNativeDispatcher.init should lookup open64at and stat64at on AIX
JDK-8365571	GenShen: PLAB promotions may remain disabled for evacuation threads
JDK-8365615	Improve JMenuBar/RightLeftOrientation.java
JDK-8365638	JFR: Add --exact for debugging out-of-order events
JDK-8365660	test/jdk/sun/security/pkcs11/KeyAgreement/ tests skipped without SkipException
JDK-8365700	Jar --validate without any --file option leaves around a temporary file /tmp/tmpJar<number>.jar
JDK-8365726	Test crashed with assert in C1 thread: Possible safepoint reached by thread that does not allow it

Issue ID	Summary
JDK-8365772	RISC-V: correctly prereserve NaN payload when converting from float to float16 in vector way
JDK-8365790	Shutdown hook for application image does not work on Windows
JDK-8365811	test/jdk/java/net/CookieHandler/B6644726.java failure - "Should have 5 cookies. Got only 4, expires probably didn't parse correctly"
JDK-8365823	Revert storing abstract and interface Klasses to non-class metaspace
JDK-8365834	Mark java/net/httpclient/ManyRequests.java as intermittent
JDK-8365841	RISC-V: Several IR verification tests fail after JDK-8350960 without Zvhf
JDK-8365844	RISC-V: TestBadFormat.java fails when running without RVV
JDK-8365863	/test/jdk/sun/security/pkcs11/Cipher tests skip without SkippedException
JDK-8365913	Support latest MSC_VER in abstract_vm_version.cpp
JDK-8365919	Replace currentTimeMillis with nanoTime in Stresser.java
JDK-8365926	RISC-V: Performance regression in renaissance (chi-square)

Issue ID	Summary
JDK-8365956	GenShen: Adaptive tenuring threshold algorithm may raise threshold prematurely
JDK-8365983	Tests should throw SkippedException when SCTP not supported
JDK-8366028	MethodType::fromMethodDescriptorString should not throw UnsupportedOperationException for invalid descriptors
JDK-8366029	Do not add -XX:VerifyArchivedFields by default to CDS tests
JDK-8366031	Mark com/sun/nio/sctp/SctpChannel/CloseDescriptor s.java as intermittent
JDK-8366075	Problemlist 2 tests due to failures in the CI pipeline
JDK-8366092	[GCC static analyzer] UnixOperatingSystem.c warning: use of uninitialized value 'systemTicks'
JDK-8366147	ZGC: ZPageAllocator::cleanup_failed_commit_single _partition may leak memory
JDK-8366159	SkippedException is treated as a pass for pkcs11/KeyStore, pkcs11/SecretKeyFactory and pkcs11/SecureRandom
JDK-8366208	Unexpected exception in sun.java2d.cmm.lcms.LCMSImageLayout

Issue ID	Summary
JDK-8366223	ZGC: ZPageAllocator::cleanup_failed_commit_multi_partition is broken
JDK-8366229	runtime/Thread/TooSmallStackSize.java runs with all collectors
JDK-8366250	Problemlist 3 tests due to failures in the CI pipeline
JDK-8366340	Problemlist 1 test due to failures in the CI pipeline
JDK-8366342	Key generator and key pair generator tests skipping, but showing as passed
JDK-8366359	Test should throw SkippedException when there is no lpsstat
JDK-8366365	[test] test/lib-test/jdk/test/whitebox/CPUIInfoTest.java should be updated
JDK-8366434	THP not working properly with G1 after JDK-8345655
JDK-8366446	Test java.awt.geom/ConcurrentDrawPolygonTest.java fails intermittently
JDK-8366537	Test "java/util/TimeZone/DefaultTimeZoneTest.java" is not updating the zone ID as expected
JDK-8366558	Gtests leave /tmp/cgroups-test* files

Issue ID	Summary
JDK-8366694	Test JdbStopInNotificationThreadTest.java timed out after 60 second
JDK-8366750	Remove test 'java.awt.Choice/ChoiceMouseWheelTest/ChoiceMouseWheelTest.java' from problemlist
JDK-8366764	Deproblemlist java.awt.ScrollPane/ScrollPaneTest.java
JDK-8366800	Problemlist 1 test due to failures in the CI pipeline
JDK-8366844	Update and automate MouseDraggedOriginatedByScrollBarTest.java
JDK-8366850	Test com/sun/jdi/JdbStopInNotificationThreadTest.java failed
JDK-8366893	java/lang/Thread/virtual/stress/GetStackTrace ALotWhenPinned.java timed out on macos-aarch64
JDK-8366948	AOT cache creation crashes when iterating training data
JDK-8366980	TestTransparentHugePagesHeap.java fails when run with -UseCompressedOops
JDK-8367017	Remove legacy checks from WrappedToolkitTest and convert from bash
JDK-8367021	Regression in LocaleDataTest refactoring

Issue ID	Summary
JDK-8367031	[backout] Change java.time month/day field types to 'byte'
JDK-8367048	RISC-V: Correct pipeline descriptions of the architecture
JDK-8367066	RISC-V: refine register selection in MacroAssembler:: decode_klass_not_null
JDK-8367098	RISC-V: sync CPU features with related JVM flags for dependant ones
JDK-8367131	Test com/sun/jdi/ThreadMemoryLeakTest.java fails on 32 bits
JDK-8367133	DTLS: fragmentation of Finished message results in handshake failure
JDK-8367137	RISC-V: Detect Zicboz block size via hwprobe
JDK-8367237	Thread-Safety Usage Warning for java.text.Collator Classes
JDK-8367277	Fix copyright header in JMXInterfaceBindingTest.java
JDK-8367313	CTW: Execute in AWT headless mode
JDK-8367333	C2: Vector math operation intrinsicsification failure
JDK-8367348	Enhance PassFailJFrame to support links in HTML

Issue ID	Summary
JDK-8367378	GenShen: Missing timing stats when old mark buffers are flushed during final update refs
JDK-8367384	The ICC_Profile class may throw exceptions during serialization
JDK-8367598	Switch to CRC32C for SEED calculation in jdk.test.lib.Utils
JDK-8367616	RISC-V: Auto-enable Zicboz extension for debug builds
JDK-8367689	Revert removal of several compilation-related vmStructs fields
JDK-8367692	RISC-V: Align post call nop
JDK-8367694	Fix jtreg test failure when Intel APX is enabled for KNL platforms
JDK-8367780	Enable UseAPX on Intel CPUs only when both APX_F and APX_NCI_NDD_NF cpuid features are present
JDK-8367782	VerifyJarEntryName.java: Fix modifyJarEntryName to operate on bytes and re-introduce verifySignatureEntryName
JDK-8367869	Test java/io/FileDescriptor/Sync.java timed out
JDK-8367904	Test java/net/InetAddress/ptr/Lookup.java should throw SkippedException
JDK-8367948	JFR: MethodTrace threshold setting has no effect

Issue ID	Summary
JDK-8367953	JFR sampler threads does not appear in thread dump
JDK-8367969	C2: compiler/vectorapi/TestVectorMathLib.java fails without UnlockDiagnosticVMOptions
JDK-8367988	NewFileSystemTests.readOnlyZipFileFailure fails when run by root user
JDK-8368032	Enhance Certificate Checking
JDK-8368071	Compilation throughput regressed 2X-8X after JDK-8355003
JDK-8368152	Shenandoah: Incorrect behavior at end of degenerated cycle
JDK-8368192	Test java/lang/ProcessBuilder/Basic.java#id0 fails with Exception: Stack trace
JDK-8368308	ISO 4217 Amendment 180 Update
JDK-8368366	RISC-V: AlignVector is mistakenly set to AvoidUnalignedAccesses
JDK-8368367	Test jdk/jfr/event/gc/detailed/TestGCHeapMemoryUsageEvent.java fails jdk.GCHeapMemoryUsage "expected 0 > 0"
JDK-8368565	Adjust comment regarding dependency of libjvm.so to librt
JDK-8368606	Printer lookup returns empty on AIX platform due to uninitialized results list

Issue ID	Summary
JDK-8368668	Several vmTestbase/vm/gc/compact tests timed out on large memory machine
JDK-8368670	Deadlock in JFR on event register + class load
JDK-8368698	runtime/cds/appcds/aotCache/OldClassSupport.java assert(can_add()) failed: Cannot add TrainingData objects
JDK-8368732	RISC-V: Detect support for misaligned vector access via hwprobe
JDK-8368890	open/test/jdk/tools/jpackage/macosx/NameWithSpaceTest.java fails randomly
JDK-8368893	RISC-V: crash after JDK-8352673 on fastdebug version
JDK-8368960	Adjust java UL logging in the build
JDK-8368982	Test sun/security/tools/jarsigner/EC.java completed and timed out
JDK-8369078	Fix faulty test conversion in IllegalCharsetName.java
JDK-8369184	SimpleTimeZone equals() Returns True for Unequal Instances with Different hashCode Values
JDK-8369190	JavaFrameAnchor on AArch64 has unnecessary barriers and wrong store order in MacroAssembler
JDK-8369226	GHA: Switch to MacOS 15

Issue ID	Summary
JDK-8369319	java/net/httpclient/CancelRequestTest.java fails intermittently
JDK-8369450	[Ubuntu 25.10] openjdk fails to build due to rust-coreutils date
JDK-8369487	Revert EA option for build promotion
JDK-8369506	Bytecode rewriting causes Java heap corruption on AArch64
JDK-8369560	Slowdebug build without CDS fails
JDK-8369563	Gtest dll_address_to_function_and_library_name has issues with stripped pdb files
JDK-8369616	JavaFrameAnchor on RISC-V has unnecessary barriers and wrong store order in MacroAssembler
JDK-8369656	Calling CompletableFuture.join() could execute task in common pool
JDK-8369657	[AIX] TOC overflow in static-launcher build when building slowdebug after JDK-8352064
JDK-8369853	jpackage signing tests fail after JDK-8358723
JDK-8369868	Compilation error in Win8365790Test.java with JDK-8358723 fix resulting in CI tier3 failure
JDK-8369946	Bytecode rewriting causes Java heap corruption on PPC

Issue ID	Summary
JDK-8369947	Bytecode rewriting causes Java heap corruption on RISC-V
JDK-8369979	Flag UsePopCountInstruction was accidentally disabled on PPC64
JDK-8370048	Shenandoah: Deprecated ShenandoahPacing option
JDK-8370049	[s390x] G1 barrier compareAndExchange does not return old value when compareExchange fails
JDK-8370318	AES-GCM vector intrinsic may read out of bounds (x86_64, AVX-512)
JDK-8370331	Problemlist 2 tests due to failures in the CI pipeline
JDK-8370428	Change milestone to fcs for all releases
JDK-8370465	Right to Left Orientation Issues with MenuItem Component
JDK-8371094	--mac-signing-key-user-name no longer works
JDK-8371425	Include folder names in vscode workspace virtual folders
JDK-8371697	test/jdk/java/nio/file/FileStore/Basic.java fails after 8360887 on linux
JDK-8372320	Bump update version for OpenJDK: jdk-25.0.3
JDK-8372534	Update Libpng to 1.6.51

Issue ID	Summary
JDK-8372753	jpackage ignores --file-associations option with predefined app image

## JFX issues

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

Issue ID	Summary
JDK-8252373	[macOS] Stage with owner disappears when moved to another screen
JDK-8271024	Implement macOS Metal Rendering Pipeline
JDK-8329874	JavaFX debug builds fail on Linux
JDK-8335748	Rippling of frame on scrolling
JDK-8350479	SW pipeline should use default pipeline in Glass
JDK-8361644	Update ICU4C to 77.1
JDK-8361719	Enhance Handling of URIs
JDK-8361893	Update libxml2 to 2.14.5
JDK-8362535	Update libxslt support
JDK-8365515	Create release notes for JavaFX 25

Issue ID	Summary
JDK-8366217	Update GStreamer to 1.26.5
JDK-8366732	Change JavaFX release version to 25.0.2 in jfx25u
JDK-8366744	Update SQLite to 3.50.4
JDK-8367306	HeaderButtonOverlayTest fails to compile with TEST_SDK_PATH
JDK-8367370	Accent color platform preference not updating in macOS 26 (Tahoe)
JDK-8367374	JavaFX debug builds fail on Windows
JDK-8367578	Additional WebKit 622.1 fixes from WebKitGTK 2.48.7
JDK-8367602	Regression: TabPane with wrapped label calculates wrong initial size
JDK-8368021	Window buttons of extended RTL stage are on the wrong side
JDK-8368166	Media query should accept multiple rules
JDK-8368600	Missing "/DELAYLOAD:shlwapi.dll" in win.gradle
JDK-8368631	Avoid updating disposed MTLTexture
JDK-8368691	Update libxml2 to 2.14.6
JDK-8368704	Better glyph handling

Issue ID	Summary
JDK-8368879	Intermittent crash on exit when disposing MTLRTTTextureData
JDK-8369140	GHA: Update macOS / x64 build to use macos-15-intel runner
JDK-8369610	Create release notes for JavaFX 25.0.1
JDK-8369820	FX: Update copyright year in docs, readme files to 2026
JDK-8370235	WebKit build fails on Windows 32-bit and Linux 32-bit after JDK-8367578
JDK-8370632	Additional libxslt 1.1.43 fixes
JDK-8371052	Update libFFI to 3.5.2
JDK-8372453	[macOS] Iconifying owner may not iconify owned window

# 6. Updates to Third Party Libraries

This is the list of changes in the third party libraries.

Library	Full name	New Version	Module	JBS number
GStreamer	GStreamer	1.26.5	javafx.media	JDK-8366217
ICU4C	IBM International Components for Unicode	77.1	javafx.web	JDK-8361644
Libpng	Libpng	1.6.51	java.awt	JDK-8372534
SQLite	SQLite	3.50.4	javafx.web	JDK-8366744

# 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 25.0.2+12

## Release Notes

**bellsoft**