

Liberica JDK 25.0.2+12

Release Notes



Liberica JDK
25.0.2
January 20, 2026

be//soft

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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>Summary: Removed Four AffirmTrust Root Certificates</p> <p>Description: The following root certificates, which are deactivated and no longer in use, have been removed from the <code>cacerts</code> 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>Summary: Disabled <code>SymbolTableStatistics</code> and <code>StringTableStatistics</code> in <code>default.jfc</code></p> <p>Description: <code>SymbolTableStatistics</code> and <code>StringTableStatistics</code> events are disabled in <code>default.jfc</code>. It is sufficient for them to be enabled in <code>profile.jfc</code>.</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. <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: <code>\$ java -XX:StartFlightRecording:settings=profile ...; \$ java -XX:StartFlightRecording:jdk.ModuleExport#enabled=true ...</code></p> |
| 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

Summary: [backout] Change `java.time` month/day field types to 'byte'

Description: A regression in the serialization of `java.time` 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.

JDK-8367237

Summary: Added a thread-Safety Usage Warning for `java.text.Collator` Classes

Description: Re-using a `java.text.Collator` 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 `Collator` and `RuleBasedCollator` 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 `Collator` instance per each thread is the suggested approach. It also calls out the potential thread contention when used otherwise. This applies to both `Collator` and `RuleBasedCollator`, where the former (which is an abstract class) warns about instances returned by the factory methods when the standard provider is in use.

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 | jtest 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/StressNativeSignal.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 RBMenulitem's and CBMenulitem'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 JMenuItem and JMenuItem 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 <code>src/hotspot/share/prims/jvmtiTagMap.cpp</code> in <code>IterateOverHeapObjectClosure::do_object()</code> |
| 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 <code>Thread.stop</code> in <code>test/jdk/java/net/Socket/DeadlockTest.java</code> |
| JDK-8361112 | Use exact float → Float16 conversion method in Float16 tests |
| JDK-8361180 | Disable <code>CompiledDirectCall</code> verification with <code>-VerifyInlineCaches</code> |
| JDK-8361198 | [AIX] fix misleading error output in <code>thread_cpu_time_unchecked</code> |
| JDK-8361211 | C2: Final graph reshaping generates unencodable klass constants |
| JDK-8361212 | Remove <code>AffirmTrust</code> 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 NCD FE 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 | Problemist 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 java/net/ipv6tests/TcpTest.java should report SkippedException when there no ia4addr or ia6addr |
| JDK-8362889 | [GCC static analyzer] leak in libstringPlatformChars.c |
| JDK-8362972 | C2 fails with unexpected node in SuperWord truncation: IsFiniteF, IsFiniteD |
| JDK-8363676 | [GCC static analyzer] missing return value check of malloc in OGLContext_SetTransform |
| 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: TestRangeCheckHoistingScaledIV.java fails after JDK-8355293 when running without RVV |
| JDK-8363910 | Avoid tuning for Power10 CPUs on Linux ppc64le when gcc < 10 is used |
| JDK-8363928 | Specifying AOTCacheOutput 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 CrashOnOutOfMemoryError |
| 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 | Problemist 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/ErrorHandler/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 a failure - "Should have 5 cookies. Got only 4, expires probably didn't parse correctly" |
| JDK-8365823 | Revert storing abstract and interface Classes 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 Zvfh |
| 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/CloseDescriptors.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 lpstat |
| JDK-8366365 | [test] test/lib- test/jdk/test/whitebox/CPUInfoTest.java should be updated |
| JDK-8366434 | THP not working properly with G1 after JDK- 8345655 |
| JDK-8366446 | Test java/awt/geom/ConcurrentDrawPolygonTest.ja va 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 problemist |
| JDK-8366764 | Deproblemlist java/awt/ScrollPane/ScrollPositionTest.java |
| JDK-8366800 | Problemist 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/GetStackTraceALotWhenPinned.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 intrinsification 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/appcads/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 MTLRRTTextureData |
| 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

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