

Liberica JDK 25.0.3+11

Release Notes



Liberica JDK
25.0.3
April 21, 2026

be//soft

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Contents

1. Version information	5
------------------------	---

2. What's New	6
---------------	---

Notable Changes	6
-----------------	---

Discontinued OS support	8
-------------------------	---

IANA TZ Data version	9
----------------------	---

Briefly	9
---------	---

Changes to past timestamps	9
----------------------------	---

Changes to build procedure	9
----------------------------	---

Changes to code	9
-----------------	---

Changes to commentary	9
-----------------------	---

3. Known Issues	11
-----------------	----

4. Fixed CVEs	12
---------------	----

5. Resolved Issues	13
--------------------	----

JDK issues 13

JFX issues 41

6. Updates to Third Party Libraries 43

7. Upgrading to the New Version 44

1. Version information

This document provides information about Liberica JDK 25.0.3 release. The full version string for this update release is 25.0.3+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-8212084	<p>Summary: G1: Implement UseGCOverheadLimit</p> <p>Description: The G1 garbage collector now throws an <code>OutOfMemoryException</code> (OOM) when the garbage collection overhead is more than <code>GCTimeLimit</code> percent (default value 98) and the free Java heap is less than <code>GCHeapFreeLimit</code> percent (default value 2) for five consecutive garbage collections. This feature is enabled by default. It can be disabled using the <code>-XX:-UseGCOverheadLimit</code> option. The implementation mirrors the functionality already provided by the Parallel garbage collector. However there may be differences in the exact conditions for the OOM triggers as G1 calculates garbage collection overhead and free Java heap slightly differently.</p>
JDK-8244336	<p>Summary: Restrict algorithms at JCE layer</p> <p>Description: A new security property named <code>jdk.crypto.disabledAlgorithms</code> has been introduced to disable algorithms for JCE/JCA cryptographic services. Initially, this property only supports the <i>Cipher</i>, <i>KeyStore</i>, <i>MessageDigest</i>, and <i>Signature</i> services. This property is defined in the <code>java.security</code> file and initially no algorithms are disabled by default. However, this may change in the future. This security property can be overridden by a system property of the same name if applications need to re-enable algorithms. See Disabled and Restricted Cryptographic Algorithms for more information.</p>

Issue ID

JDK-8354469

Summary: Keytool exposes the password in plain text when command is piped using `grep`

Description: The `[keytool]` command reads passwords from the system console to prevent them from being displayed on the screen. However, the console is usually available only when both the standard input and output streams are not redirected. Previously, if the standard output stream was redirected into a file or another command, the console was unavailable and the input password was echoed on the screen. This enhancement improves password handling to ensure that the password is not displayed on the screen even if the standard output stream is redirected. This enhancement has also been made to the `[jarsigner]` command and the JAAS `[TextCallbackHandler]` API.

JDK-8361613

Summary: `System.console()` should only be available for interactive terminal

Description: `System.console()` now returns a non-null `Console` instance only when both standard input and standard output are connected to a terminal (that is, in the absence of redirection). If I/O has been redirected, `System.console()` always returns null. This behavior is consistent regardless of whether the base provider or the `JLine` provider is in use.

JDK-8369282

Summary: Distrust TLS server certificates anchored by Chunghwa ePKI Root CA

Description: TLS server certificates anchored by the Chunghwa root CAs are distrusted or distrusted after a specific date by Google and Mozilla. The restrictions will be enforced in the SunJSSE Provider of the Java Secure Socket Extension (JSSE) API. A TLS session will not be negotiated if the server's certificate chain is anchored by any of the mentioned Certificate Authorities and the certificate's `notBefore` date is after March 17, 2026. An application will receive an `Exception` with a message indicating the trust anchor (root) is not trusted.

Issue ID

JDK-8370203

Summary: Add jcmd AOT.end_recording diagnostic command

Description: A new jcmd diagnostic command, `AOT.end_recording`, has been introduced to end an in-progress AOT training and record the results to the file or files specified by `-XX:AOTConfiguration` or `-XX:AOTCacheOutput`. Note that the JVM must be started in AOT training mode using command-line arguments such as `-XX:AOTMode=record` or `-XX:AOTCacheOutput=<file>`. The results of the AOT training can be an AOT configuration file, an AOT cache file, or both. For details of AOT training, please refer to [JEP 483](#) and [JEP 514](#).

JDK-8373476

Summary: Update Timezone Data to 2025c

Description: The 2025c release of the tz code and data is available. This release mostly changes code and commentary. The only changed data are leap second table expiration and pre-1976 time in Baja California. This release contains several code changes for compatibility with FreeBSD.

JDK-8378853

Summary: Make backport of JDK-8244336 comply with differences in CSR

Description: This change removes the changes to Javadoc made by the backport of JDK-8244336 to 25u.

Discontinued OS support

Note that Liberica JDK 25.0.3 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 25.0.3 comes with the 2025c version of the in-tree copy of the [IANA timezone database](#). The following are the key features of this version.

This release mostly changes code and commentary. The only changed data are leap second table expiration and pre-1976 time in Baja California.

Briefly

Several code changes for compatibility with FreeBSD.

Changes to past timestamps

Baja California agreed with California's DST rules in 1953 and in 1961 through 1975, instead of observing standard time all year.

Changes to build procedure

Files in distributed tarballs now have correct commit times. Formerly, the committer's time zone was incorrectly ignored.

Changes to code

An unset TZ is no longer invalid when `/etc/localtime` is missing, and is abbreviated "UTC" not "-00". This reverts to 2024b behavior.

New function `offtime_r`, short for `fixed-offset localtime_rz`. It is defined if `STD_INSPIRED` is defined.

Changes to commentary

The `leapseconds` file contains commentary about the IERS and NIST last-modified and expiration

timestamps for leap second data.

For more information, see [JDK-8373476](#).

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-2026-20652	7.5	javafx	web	network	low	none	none	unchanged	none	none	high
CVE-2026-22007	2.9	security-libs	java.security	local	high	none	none	unchanged	low	none	none
CVE-2026-22008	3.7	core-libs	java.lang	network	high	none	none	unchanged	none	low	none
CVE-2026-22013	5.3	security-libs	org.ietf.jgss	network	high	none	required	unchanged	high	none	none
CVE-2026-22016	7.5	xml	jaxp	network	low	none	none	unchanged	high	none	none
CVE-2026-22018	3.7	core-libs	java.util	network	high	none	none	unchanged	none	none	low
CVE-2026-22021	5.3	security-libs	java.security	network	low	none	none	unchanged	none	none	low
CVE-2026-23865	5.3	client-libs	2d	local	low	none	required	unchanged	low	low	low
CVE-2026-34268	2.9	security-libs	java.security	local	high	none	none	unchanged	low	none	none
CVE-2026-34282	7.5	core-libs	java.net	network	low	none	none	unchanged	none	none	high

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-7191877	TEST_BUG: java/rmi/transport/checkLeaseInfoLeak/CheckLeaseLeak.java failing intermittently
JDK-8030957	AIX: Implement OperatingSystemMXBean.getSystemCpuLoad()) and .getProcessCpuLoad() on AIX
JDK-8068378	[TEST_BUG]The java/awt/Modal/PrintDialogsTest/PrintDialogsTest.java instruction need to update
JDK-8183336	Better cleanup for jdk/test/java/lang/module/customfs/ModulesInCustomFileSystem.java
JDK-8212084	G1: Implement UseGCOverheadLimit
JDK-8244336	Restrict algorithms at JCE layer
JDK-8246037	Shenandoah: update man pages to mention -XX:+UseShenandoahGC

Issue ID	Summary
JDK-8255463	java/nio/channels/spi/SelectorProvider/inheritedChannel/InheritedChannelTest.java failed with ThreadTimeoutException
JDK-8256289	java/awt/Focus/AppletInitialFocusTest/AppletInitialFocusTest1.java failed with "RuntimeException: Wrong focus owner: java.awt.Button[button1,41,36,56x23,label=Button1]"
JDK-8274082	Wrong test name in jtreg run tag for java/awt/print/PrinterJob/SwingUIText.java
JDK-8286258	[Accessibility,macOS,VoiceOver] VoiceOver reads the spinner value wrong and sometime partially
JDK-8286865	vmTestbase/vm/mlvm/meth/stress/jni/nativeAndMH/Test.java fails with Out of space in CodeCache
JDK-8287062	com/sun/jndi/ldap/LdapPoolTimeoutTest.java failed due to different timeout message
JDK-8293484	AArch64: TestUseSHA512IntrinsicsOptionOnSupportedCPU.java fails on CPU with SHA512 feature support
JDK-8299304	Test "java/awt/print/PrinterJob/PageDialogTest.java" fails on macOS 13 x64 because the Page Dialog blocks the Toolkit
JDK-8307495	Specialize atomic bitset functions for aix-ppc

Issue ID	Summary
JDK-8313770	jdk/internal/platform/docker/TestSystemMetrics.java fails on Ubuntu
JDK-8316274	javax/swing/ButtonGroup/TestButtonGroupFocusTraversal.java fails in Ubuntu 23.10 with Motif LAF
JDK-8317838	java/nio/channels/Channels/SocketChannelStreams.java running into timeout (aix)
JDK-8318662	Refactor some jdk/java/net/httpclient/http2 tests to JUnit
JDK-8320677	Printer tests use invalid '@run main/manual=yesno
JDK-8333857	Test sun/security/ssl/SSLSessionImpl/ResumeChecksServer.java failed: Existing session was used
JDK-8333871	Check return values of sysinfo
JDK-8334928	Test sun/security/ssl/SSLSocketImpl/ReuseAddr.java failed: java.net.BindException: Address already in use
JDK-8335646	Nimbus : JLabel not painted with LAF defined foreground color on Ubuntu 24.04
JDK-8336695	Update Commons BCEL to Version 6.10.0
JDK-8339791	Refactor MiscUndecorated/ActiveAWTWindowTest.java

Issue ID	Summary
JDK-8341039	compiler/cha/TypeProfileFinalMethod.java fails with assertEquals expected: 0 but was: 2
JDK-8342175	MemoryEaterMT fails intermittently with ExceptionInInitializerError
JDK-8342401	[TESTBUG] javax/swing/JSpinner/8223788/JSpinnerButton FocusTest.java test fails in ubuntu 22.04 on SBR Hosts
JDK-8342640	GenShen: Silently ignoring ShenandoahGCHeuristics considered poor user-experience
JDK-8342659	Test vmTestbase/nsk/jdi/ObjectReference/referringObjects/referringObjects002/referringObjects002.java failed: Class nsk.share.jdi.TestClass1 was not unloaded
JDK-8343316	Review and update tests using explicit provider names
JDK-8343340	Swapping checking do not work for MetricsMemoryTester failcount
JDK-8343474	[updates] Customize README.md to specifics of update project
JDK-8344073	Test runtime/cds/appcnds/TestParallelGCWithCDS.java#id0 failed
JDK-8346154	[XWayland] Some tests fail intermittently in the CI, but not locally

Issue ID	Summary
JDK-8346962	Test CRLReadTimeout.java fails with -Xcomp on a fastdebug build
JDK-8348014	Enhance certificate processing
JDK-8349192	jvmti/scenarios/contention/TC05/tc05t001 fails: ERROR: tc05t001.cpp, 281: (waitedThreadCpuTime - waitThreadCpuTime) < (EXPECTED_ACCURACY * 1000000)
JDK-8352149	Test java/awt/Frame/MultiScreenTest.java fails: Window list is empty
JDK-8353755	Add a helper method to Util - findComponent()
JDK-8354244	Use random data in MinMaxRed_Long data arrays
JDK-8354469	Keytool exposes the password in plain text when command is piped using grep
JDK-8354894	java/lang/Thread/virtual/Starvation.java timeout on server with high CPUs
JDK-8354937	Cleanup some sparac related coding in os_linux
JDK-8356548	Use ClassFile API instead of ASM to transform classes in tests
JDK-8356868	Not all cgroup parameters are made available
JDK-8357277	Update OpenSSL library for interop tests
JDK-8357380	java/lang/StringBuilder/RacingSBThreads.java times out with C1

Issue ID	Summary
JDK-8357390	java/awt/Toolkit/ScreenInsetsTest/ScreenInsetsTest.java Test failing on Ubuntu 24.04 Vm Hosts used by Oracle's internal CI system
JDK-8357470	src/java.base/share/classes/sun/security/util/Debug.java implement the test for args.toLowerCase
JDK-8357570	[macOS] os::Bsd::available_memory() might return too low values
JDK-8357591	Re-enable CDS test cases for jvmci after JDK-8345826
JDK-8358058	sun/java2d/OpenGL/DrawImageBg.java Test fails intermittently
JDK-8358159	Empty mode/padding in cipher transformations
JDK-8358529	GenShen: Heuristics do not respond to changes in SoftMaxHeapSize
JDK-8358679	[asan] vmTestbase/nsk/jvmti tests show memory issues
JDK-8358686	CDS and AOT can cause buffer truncation warning even when logging is disabled
JDK-8358735	GenShen: block_start() may be incorrect after class unloading
JDK-8358735	GenShen: block_start() may be incorrect after class unloading

Issue ID	Summary
JDK-8358756	[s390x] Test StartupOutput.java crash due to CodeCache size
JDK-8358801	javac produces class that does not pass verifier.
JDK-8359064	Expose reason for marking nmethod non-entrant to JVMCI client
JDK-8359182	Use @requires instead of SkippedException for MaxPath.java
JDK-8359388	Stricter checking for cipher transformations
JDK-8359418	Test "javax/swing/text/GlyphView/bug4188841.java" failed because the phrase of text pane does not match the instructions
JDK-8359472	JVM crashes when attaching a dynamic agent before JVMTI_PHASE_LIVE
JDK-8359707	Add classfile modification code to RedefineClassHelper
JDK-8359868	Shenandoah: Free threshold heuristic does not use SoftMaxHeapSize
JDK-8359978	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed again with java.net.SocketException: An established connection was aborted by the software in your host machine

Issue ID	Summary
JDK-8360049	CodeInvalidationReasonTest.java fails with ZGC on AArch64
JDK-8360160	ubuntu-22-04 machine is failing client tests
JDK-8360169	Problem list CodeInvalidationReasonTest.java on linux-riscv64 until JDK-8360168 is fixed
JDK-8360271	String.indexOf intrinsics fail with +EnableX86CoreOpts and -CompactStrings
JDK-8360395	sun/security/tools/keytool/i18n.java user country is current user location instead of the language
JDK-8360539	DTLS handshakes fails due to improper cookie validation logic
JDK-8360562	sun/security/tools/keytool/i18n.java add an ability to add comment for failures
JDK-8360702	runtime/Thread/AsyncExceptionTest.java timed out
JDK-8360882	Tests throw SkippedException when they should fail
JDK-8361067	Test ExtraButtonDrag.java requires frame.dispose in finally block
JDK-8361106	[TEST] com/sun/net/httpserver/Test9.java fails with java.nio.file.FileSystemException

Issue ID	Summary
JDK-8361363	ShenandoahAsserts::print_obj() does not work for forwarded objects and UseCompactObjectHeaders
JDK-8361381	GlyphLayout behavior differs on JDK 11+ compared to JDK 8
JDK-8361492	[IR Framework] Has too restrictive regex for load and store
JDK-8361521	BogusFocusableWindowState.java fails with StackOverflowError on Linux
JDK-8361530	Test javax/swing/GraphicsConfigNotifier/StalePreferredSize.java timed out
JDK-8361613	System.console() should only be available for interactive terminal
JDK-8361894	sun/security/krb5/config/native/TestDynamicStore.java ensure that the test is run with sudo
JDK-8362284	RISC-V: cleanup NativeMovRegMem
JDK-8362979	C2 fails with unexpected node in SuperWord truncation: CmpLTMask, RoundF
JDK-8363950	Incorrect jtreg header in TestLayoutVsICU.java
JDK-8364373	Transform Affine transformations
JDK-8364465	Enhance behavior of some intrinsics

Issue ID	Summary
JDK-8364580	Test compiler/vectorization/TestSubwordTruncation. java fails on platforms without RoundF/RoundD
JDK-8364741	[asan] runtime/ErrorHandling/PrintVMInfoAtExitTest.j ava fails because output differs slightly
JDK-8364756	JFR: Improve slow tests
JDK-8364936	Shenandoah: Switch nmethod entry barriers to conc_instruction_and_data_patch
JDK-8365065	cancelled ForkJoinPool tasks no longer throw CancellationException
JDK-8365184	sun/tools/jhsdb/HeapDumpTestWithActiveProc ess.java Re-enable SerialGC flag on debuggee process
JDK-8365305	The ARIA role 'contentinfo' is not valid for the element <footer>
JDK-8365398	TEST_BUG: java/rmi/transport/checkLeaseInfoLeak/CheckL easeLeak.java failing intermittently
JDK-8365526	Crash with null Symbol passed to SystemDictionary::resolve_or_null
JDK-8365570	C2 fails assert(false) failed: Unexpected node in SuperWord truncation: CastII

Issue ID	Summary
JDK-8365776	Convert JShell tests to use JUnit instead of TestNG
JDK-8365861	test/jdk/sun/security/pkcs11/Provider/ tests skipped without SkippedException
JDK-8365972	JFR: ThreadDump and ClassLoaderStatistics events may cause back to back rotations
JDK-8366082	Improve queue size computation in CPU-time sampler
JDK-8366128	jdk/jdk/nio/zipfs/TestPosix.java::testJarFile uses wrong file
JDK-8366182	Some PKCS11Tests are being skipped when they shouldn't
JDK-8366261	Provide utility methods for sun.security.util.Password
JDK-8366278	Form control element <select> has no associated label
JDK-8366369	Add @requires linux for GTK L&F tests
JDK-8366486	Test jdk/jfr/event/profiling/TestCPUtimeSampleMultipleRecordings.java is timing out
JDK-8366733	Re-examine older java.text NF, DF, and DFS serialization tests
JDK-8366747	RISC-V: Improve VerifyMethodHandles for method handle linkers

Issue ID	Summary
JDK-8366817	test/jdk/javax/net/ssl/TLSCommon/interop/JdkProcServer.java and JdkProcClient.java should not delete logs
JDK-8366874	Test gc/arguments/TestParallelGCergo.java fails with UseTransparentHugePages
JDK-8366878	Improve flags of compiler/loopopts/superword/TestAlignVectorFuzzer.java
JDK-8366908	Use a different class for testing JDK-8351654
JDK-8366938	Test runtime/handshake/HandshakeTimeoutTest.java crashed
JDK-8366951	Test runtime/logging/StressAsyncUL.java is timing out
JDK-8367135	Test compiler/loopstripmining/CheckLoopStripMining.java needs internal timeouts adjusted
JDK-8367271	Add parsing tests to DateFormat JMH benchmark
JDK-8367278	Test compiler/startup/StartupOutput.java timed out after completion on Windows
JDK-8367302	New test jdk/jfr/event/profiling/TestCPUTimeSampleQueueAutoSizes.java from JDK-8366082 is failing

Issue ID	Summary
JDK-8367371	Remove @requires vm.opt.UseLargePages from InternSharedString.java test
JDK-8367372	Test test/hotspot/jtreg/gc/TestObjectAlignmentCardSize.java fails on 32 bit systems
JDK-8367463	Improved Arena allocations
JDK-8367583	sun/security/util/AlgorithmConstraints/InvalidCryptoDisabledAlgos.java fails after JDK-8244336
JDK-8367772	Refactor createUI in PassFailJFrame
JDK-8367784	java/awt/Focus/InitialFocusTest/InitialFocusTest1.java failed with Wrong focus owner
JDK-8367862	debug.cpp: Do not print help message for methods ifdef'd out
JDK-8367901	Calendar.roll(hour, 24) returns wrong result
JDK-8367994	test/jdk/sun/security/pkcs11/Signature/ tests pass when they should skip
JDK-8368029	Several tests in httpserver/simpleserver should throw SkipException
JDK-8368182	AOT cache creation fails with class defined by JNI
JDK-8368328	CompactNumberFormat.clone does not produce independent instances

Issue ID	Summary
JDK-8368335	Refactor the rest of Locale TestNG based tests to JUnit
JDK-8368498	Use JUnit instead of TestNG for jdk_text tests
JDK-8368500	ContextClassLoader cannot be reset on threads in ForkJoinPool.commonPool()
JDK-8368551	Core dump warning may be confusing
JDK-8368625	com/sun/net/httpserver/ServerStopTerminationTest.java fails intermittently
JDK-8368677	acvp test should throw SkippedException when no ACVP-Server available
JDK-8368683	[process] Increase jtreg debug output maxOutputSize for TreeTest
JDK-8368754	runtime/cds/appcads/SignedJar.java log regex is too strict
JDK-8368787	Error reporting: hs_err files should show instructions when referencing code in nmethods
JDK-8368866	compiler/codecache/stress/UnexpectedDeoptimizationTest.java intermittent timed out
JDK-8368882	NPE during text drawing on machine with JP locale
JDK-8368885	NMT CommandLine tests can check for error better

Issue ID	Summary
JDK-8368892	Make JEditorPane/TestBrowserBGColor.java headless
JDK-8369032	Add test to ensure serialized ICC_Profile stores only necessary optional data
JDK-8369050	DecimalFormat Rounding Errors for Fractional Ties Near Zero
JDK-8369227	Virtual thread stuck in PARKED state
JDK-8369255	Assess and remedy any unsafe usage of the Semaphores used by JFR
JDK-8369282	Distrust TLS server certificates anchored by Chunghwa ePKI Root CA
JDK-8369335	Two sun/java2d/OpenGL tests fail on Windows after JDK-8358058
JDK-8369505	jhsdb jstack cannot handle continuation stub
JDK-8369516	Delete duplicate imaging test
JDK-8369575	Enhance crypto algorithm support
JDK-8369804	TestGenerators.java fails with IllegalArgumentException: bound must be greater than origin
JDK-8369851	Remove darcy author tags from langtools tests
JDK-8369858	Remove darcy author tags from jdk tests

Issue ID	Summary
JDK-8369881	C2: Unexpected node in SuperWord truncation: ReverseBytesS, ReverseBytesUS
JDK-8369911	Test sun/java2d/marlin/ClipShapeTest.java#CubicDoDash, #Cubic and #Poly fail intermittent
JDK-8369991	Thread blocking during JFR emergency dump must be in safepoint safe state
JDK-8370036	TestJhsdbJstackWithVirtualThread.java fails when run with -showversion
JDK-8370064	Test runtime/NMT/CheckForProperDetailStackTrace.java fails on Windows when using stripped pdb files
JDK-8370197	Add missing @Override annotations in com.sun.beans package
JDK-8370201	Test serviceability/sa/TestJhsdbJstackWithVirtualThread.java fails due to VM warnings
JDK-8370203	Add jcmd AOT.end_recording diagnostic command
JDK-8370240	[PPC64] jhsdb jstack cannot handle continuation stub
JDK-8370242	JFR: Clear event reference eagerly when using EventStream
JDK-8370244	[PPC64] Several vector tests fail on Power8

Issue ID	Summary
JDK-8370325	G1: Disallow GC for TLAB allocation
JDK-8370378	Some compiler tests inadvertently exclude particular platforms
JDK-8370393	Cleanup handling of ancient Windows versions from GetJavaProperties java_props_md
JDK-8370405	C2: mismatched store from MergeStores wrongly scalarized in allocation elimination
JDK-8370492	[Linux] Update cpu shares to cpu.weight mapping function
JDK-8370511	test/jdk/javax/swing/JSlider/bug4382876.java does not release previously pressed keys
JDK-8370529	Enhance Path Factories Redux
JDK-8370572	Cgroups hierarchical memory limit is not honored after JDK-8322420
JDK-8370579	PPC: fix inswri immediate argument order
JDK-8370615	Improve Kerberos credentialing
JDK-8370636	com/sun/jdi/TwoThreadsTest.java should wait for completion of all threads
JDK-8370646	TestLargeUTF8Length.java needs lots of memory
JDK-8370649	Add intermittent tag for gc/shenandoah/generational/TestOldGrowthTriggers.java

Issue ID	Summary
JDK-8370708	RISC-V: Add VerifyStackAtCalls
JDK-8370730	Test serviceability/attach/EarlyDynamicLoad/EarlyDynamicLoad.java needs to be resilient about warnings
JDK-8370732	Use WhiteBox.getWhiteBox().fullGC() to provoking gc for nsk/jvmti tests
JDK-8370887	DelayScheduler.replace method may break the 4-ary heap in certain scenarios
JDK-8370905	Update vm.defmeth tests to use virtual threads
JDK-8370942	test/jdk/java/security/Provider/NewInstance.java and /test/jdk/java/security/cert/CertStore/NoLDAP.java may skip without notifying
JDK-8370966	Create regression test for the hierarchical memory limit fix in JDK-8370572
JDK-8370986	Enhance Zip file reading
JDK-8370995	Enhance ZipFile usage
JDK-8371014	Dump JFR recording on CrashOnOutOfMemoryError is incorrectly implemented
JDK-8371103	vmTestbase/nsk/jvmti/scenarios/events/EM02/em02t006/TestDescription.java failing

Issue ID	Summary
JDK-8371262	sun/security/pkcs11/Cipher/KeyWrap tests may silently skip
JDK-8371316	Adjust assertion (GC pause time cannot be smaller than the sum of each phase) in G1GCPhaseTimes::print
JDK-8371349	Update NSS library to 3.117
JDK-8371364	Refactor javax/swing/JFileChooser/FileSizeCheck.java to use Util.findComponent()
JDK-8371365	Update javax/swing/JFileChooser/bug4759934.java to use Util.findComponent()
JDK-8371366	java/net/httpclient/whitebox/RawChannelTestDriver.java fails intermittently in jtreg timeout
JDK-8371368	SIGSEGV in JfrVframeStream::next_vframe() on arm64
JDK-8371383	Test sun/security/tools/jarsigner/DefaultOptions.java failed due to CertificateNotYetValidException
JDK-8371385	compiler/escapeAnalysis/TestRematerializeObjects.java fails in case of -XX:-UseUnalignedAccesses
JDK-8371420	Still sporadic failures of gc/TestAlwaysPreTouchBehavior.java#<gcname> on Linux after JDK-8359104

Issue ID	Summary
JDK-8371485	ProblemList awt/Mixing/AWT_Mixing/JTableInGlassPaneOverlapping.java for linux
JDK-8371559	Intermittent timeouts in test javax/net/ssl/Stapling/HttpsURLConnectionClient.java
JDK-8371608	Jtreg test jdk/internal/vm/Continuation/Fuzz.java sometimes fails with (fast)debug binaries
JDK-8371759	Add missing @Override annotations in com.sun.imageio package
JDK-8371769	TestMemoryInvisibleParent.java fails with java.nio.file.AccessDeniedException
JDK-8371830	Enhance certificate chain validation
JDK-8371854	Shenandoah: Simplify WALK_FORWARD_IN_BLOCK_START use
JDK-8371864	GaloisCounterMode.implGCMCrypt0 AVX512/AVX2 intrinsics stubs cause AES- GCM encryption failure for certain payload sizes
JDK-8371895	Lower GCTimeLimit in TestUseGCOverheadLimit.java
JDK-8371935	Enhance key generation
JDK-8371944	AOT configuration is corrupted when app closes System.out

Issue ID	Summary
JDK-8371948	TestStackOverflowDuringInit.java fails xss too small on linux-aarch64
JDK-8371966	RISC-V: Incorrect pointer dereference in TemplateInterpreterGenerator::generate_native_entry
JDK-8371967	Add Visual Studio 2026 to build toolchain for Windows
JDK-8371978	tools/jar/ReproducibleJar.java fails on XFS
JDK-8372012	java/nio/file/attribute/BasicFileAttributeView/SetTimesNanos.java should check ability to create links
JDK-8372046	compiler/floatingpoint/TestSubNodeFloatDoubleNegation.java fails IR verification
JDK-8372048	Performance improvement on Linux remote desktop
JDK-8372110	GenShen: Fix erroneous assert
JDK-8372120	Add missing sound keyword to MIDI tests
JDK-8372147	ConnectionFlowControlTest should use HttpResponse.connectionLabel()
JDK-8372321	TestBackToBackSensitive fails intermittently after JDK-8365972
JDK-8372348	Adjust some UL / JFR string deduplication output messages

Issue ID	Summary
JDK-8372412	Increase buffer size for ring-buffer events in CollectedHeap
JDK-8372441	JFR: Improve logging of TestBackToBackSensitive
JDK-8372534	Update Libpng to 1.6.51
JDK-8372586	Crashes on ppc64(le) after JDK-8371368
JDK-8372589	VM crashes on init when NonNMethodCodeHeapSize is set too small and UseTransparentHugePages is enabled
JDK-8372591	assert(!current->cont_fastpath() freeze.check_valid_fast_path()) failed
JDK-8372609	Bug4944439 does not enforce locale correctly
JDK-8372661	Add a null-safe static factory method to "jdk.test.lib.net.SimpleSSLContext"
JDK-8372704	ThreadMXBean.getThreadUserTime may return total time
JDK-8372710	Update ProcessBuilder/Basic regex
JDK-8372733	GHA: Bump to Ubuntu 24.04
JDK-8372753	jpackage ignores --file-associations option with predefined app image
JDK-8372756	Mouse additional buttons and horizontal scrolling are broken on XWayland GNOME >= 47 after JDK-8351907

Issue ID	Summary
JDK-8372835	WorkQueue::push is missing an acquire-fence
JDK-8372857	Improve debuggability of java/rmi/server/RemoteServer/AddrInUse.java test
JDK-8372860	TestCodeCacheUnloadDuringConcCycle fails on ARM32
JDK-8372977	Unnecessary gthread-2.0 loading
JDK-8372988	Test runtime/Nestmates/membership/TestNestHost ErrorWithMultiThread.java failed: Unexpected interrupt
JDK-8373021	aarch64: MacroAssembler::arrays_equals reads out of bounds
JDK-8373101	JdkClient and JdkServer test classes ignore namedGroups field
JDK-8373106	JFR suspend/resume deadlock on macOS in pthreads library
JDK-8373290	Update FreeType to 2.14.1
JDK-8373429	gc/g1/TestCodeCacheUnloadDuringConcCycle fails on various platforms
JDK-8373476	(tz) Update Timezone Data to 2025c
JDK-8373485	JFR Crash during sampling: assert(jt →has_last_java_frame()) failed: invariant

Issue ID	Summary
JDK-8373525	C2: assert(_base == Long) failed: Not a Long
JDK-8373537	Migrate "test/jdk/com/sun/net/httpserver/" to null-safe "SimpleSSLContext" methods
JDK-8373593	Support latest VS2026 MSC_VER in abstract_vm_version.cpp
JDK-8373623	Refactor Serialization tests for Records to JUnit
JDK-8373630	r18_tls should not be modified on Windows AArch64
JDK-8373632	Some sound tests failing in CI due to lack of sound key
JDK-8373704	Improve "SocketException: Protocol family unavailable" message
JDK-8373716	Refactor further java/util tests from TestNG to JUnit
JDK-8373727	New XBM images parser regression: only the first line of the bitmap array is parsed
JDK-8373793	TestDynamicStore.java '/manual' disables use of '/timeout'
JDK-8373807	test/jdk/java/net/httpclient/websocket/Dummy WebSocketServer.java getURI() uses "localhost"
JDK-8373832	Test java/lang/invoke/TestVHInvokerCaching.java tests nothing

Issue ID	Summary
JDK-8373869	Refactor java/net/httpclient/ThrowingPushPromises*.java tests to use JUnit5
JDK-8373931	Test javax/sound/sampled/Clip/AutoCloseTimeCheck.java timed out
JDK-8373946	Synth ProgressBarUI implementation confuses background painting with border painting
JDK-8373984	Check for macos 11 in CGraphicsDevice.m can be removed
JDK-8373998	RISC-V: simple optimization of ConvHF2F
JDK-8374056	RISC-V: Fix argument passing for the RiscvFlushlcache::flush
JDK-8374178	Missing include in systemDictionary.cpp after JDK-8365526
JDK-8374433	java/util/Locale/PreserveTagCase.java does not run any tests
JDK-8374434	Several JShell tests report JUnit discovery warnings
JDK-8374525	RISC-V: Several masked float16 vector operations are not supported
JDK-8374555	No need for visible input warning in s.s.u.Password when not reading from System.in

Issue ID	Summary
JDK-8374557	Enhance TLS connection handling
JDK-8374642	EscapeHash macro fails with GNU make 4.3 and 4.4
JDK-8374644	Regression in GZIPInputStream performance after JDK-7036144
JDK-8374711	Hotspot runtime/CommandLine/OptionsValidation/TestOptionsWithRanges fails without printing the option name
JDK-8374872	Cleanup outdated SAP AG copyright header info
JDK-8374875	Improve perfMemory warning about 'Insufficient space for shared memory file'
JDK-8375057	Update HarfBuzz to 12.3.2
JDK-8375063	Update Libpng to 1.6.54
JDK-8375094	RISC-V: Fix client builds after JDK-8368732
JDK-8375231	Refactor util/ServiceLoader tests to use JUnit
JDK-8375232	Refactor util/StringJoiner tests to use JUnit
JDK-8375233	Refactor util/Vector tests to use JUnit
JDK-8375311	Some builds are missing debug helpers

Issue ID	Summary
JDK-8375530	PPC64: incorrect quick verify_method_data_pointer check causes poor performance in debug build
JDK-8375549	ConcurrentModificationException if jdk.crypto.disabledAlgorithms has multiple entries with known oid
JDK-8375598	VM crashes with "assert((labs(val) & 0xFFFFFFFF00000000) == 0 dest == (address)-1) failed: must be 32bit offset or -1" when using too high value for NonNMethodCodeHeapSize
JDK-8375657	RISC-V: Need to check size in SharedRuntime::is_wide_vector
JDK-8375742	Test java/lang/invoke/MethodHandleProxies/Driver.java does not run Unnamed.java
JDK-8375963	[25u] Set designator DEFAULT_PROMOTED_VERSION_PRE=ea in jdk25u-dev
JDK-8375999	com/sun/jndi/ldap/LdapPoolTimeoutTest.java fails sporadically on Windows
JDK-8376572	RISC-V: Interpreter: Load array index as signed int
JDK-8376688	Gtest os.attempt_reserve_memory_between_small_range_fill_hole_vm fails on AIX 7.3

Issue ID	Summary
JDK-8376889	Enhance JfrRecorder::on_create_vm_3() assert output
JDK-8377347	jdk/jfr/event/gc/detailed/TestZAllocationStallEvent.java intermittent OOME
JDK-8377509	Add licenses for gcc 14.2.0
JDK-8377526	Update Libpng to 1.6.55
JDK-8377811	[25u] G1: Optional Evacuators may evacuate pinned objects
JDK-8377898	Hotspot build on AIX with unused-functions warning reports some unused functions
JDK-8377905	gcc.md included with every build
JDK-8378113	Add sun/java2d/OpenGL/ScaleParamsOOB.java to the ProblemList.txt file
JDK-8378218	MSYS2 reports cygwin triplet causing bash configure failure
JDK-8378353	[PPC64] StringCoding.countPositives causes errors when the length is not a proper 32 bit int
JDK-8378623	Use unique font names in FormatCharAdvanceTest
JDK-8378631	Update Zlib Data Compression Library to Version 1.3.2

Issue ID	Summary
JDK-8378823	AIX build fails after zlib updated by JDK-8378631
JDK-8378853	[25u] Make backport of JDK-8244336 comply with differences in CSR
JDK-8379035	(tz) Update Timezone Data to 2026a
JDK-8379158	Update FreeType to 2.14.2
JDK-8379256	Update GIFlib to 6.1.1
JDK-8380078	Update GIFlib to 6.1.2
JDK-8380959	Update Libpng to 1.6.56
JDK-8382047	Update Libpng to 1.6.57

JFX issues

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

Issue ID	Summary
JDK-8367045	[Linux] Dead keys not working
JDK-8368572	Update WebKit to 623.1
JDK-8374171	Change JavaFX release version to 25.0.3 in jfx25u

Issue ID	Summary
JDK-8375235	Create release notes for JavaFX 25.0.2
JDK-8376282	[linux, macos] JavaFX fails to build WebKit in DebugNative
JDK-8377099	Additional WebKit 623.1 fixes from WebKitGTK 2.50.4
JDK-8377930	Additional WebKit 623.1 fixes from WebKitGTK 2.50.5
JDK-8380557	Additional WebKit 623.1 fixes from WebKitGTK 2.50.6

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
Commons BCEL	Byte Code Engineering Library	6.10.0	N/A	JDK-8336695
FreeType	FreeType	2.14.2	java.desktop	JDK-8379158
GIFlib	GIFlib	6.1.2	java.desktop	JDK-8380078
HarfBuzz	HarfBuzz	12.3.2	java.desktop	JDK-8375057
Libpng	Libpng	1.6.57	java.awt	JDK-8382047
Zlib	Zlib	1.3.2	java.base	JDK-8378631

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 25.0.3+11
Release Notes

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