

Liberica JDK 17.0.17+11

Release Notes



Liberica JDK
17.0.17
October 21, 2025

be//soft

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Contents

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

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

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

Builds of Liberica JDK With CRaC	11
----------------------------------	----

IANA TZ Data update	11
---------------------	----

Future Timestamps:	11
--------------------	----

Past Timestamps:	12
------------------	----

Code Fixes:	12
-------------	----

3. Known Issues	13
-----------------	----

4. Fixed CVEs	14
---------------	----

5. Resolved Issues	15
--------------------	----

JDK issues	15
------------	----

JFX issues	38
------------	----

6. Updates to Third Party Libraries	40
-------------------------------------	----

7. Upgrading to the New Version	41
---------------------------------	----

1. Version information

This document provides information about Liberica JDK 17.0.17 release.

The full version string for this update release is 17.0.17+11. The version number is 17.

Liberica JDK 17 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-8290368

Summary: Introduce LDAP and RMI Protocol Specific Object Factory Filters to JNDI Implementation

Description: In this release, new system and security properties are introduced to allow more granular control over the set of JNDI object factories allowed to reconstruct Java objects from JNDI/LDAP and JNDI/RMI contexts: the new `jdk.jndi.ldap.object.factoriesFilter` property specifies which object factory classes are allowed to instantiate Java objects from object references returned by JNDI/LDAP contexts. Its default value only allows object factories defined in the `java.naming` module; the new `jdk.jndi.rmi.object.factoriesFilter` property specifies which object factory classes are allowed to instantiate Java objects from object references returned by JNDI/RMI contexts. Its default value only allows object factories defined in the `jdk.rmi` module. These new factory filter properties complement the `jdk.jndi.object.factoriesFilter` global factories filter property by determining if a specific object factory is permitted to instantiate objects for the LDAP or RMI protocols used in JNDI. An application depending on custom object factories to recreate Java objects from JNDI/LDAP or JNDI/RMI contexts will need to supply a security or system property with an updated value to allow such third-party object factories to reconstruct LDAP or RMI objects. If usage of a factory is denied, the lookup operation may result in a plain instance of `javax.naming.Reference` instance returned, which may lead to a `ClassCastException` being thrown in the application.

JDK-8300207

Summary: Add a pre-check for the number of canonical equivalent permutations in `j.u.r.Pattern`

Description: When a `java.util.regex.Pattern` is compiled with `CANON_EQ` among the flags, there is a moderate risk of memory exhaustion. The specification was extended to mention memory exhaustion as a low to moderate risk factor. In addition, the implementation checks in advance whether the pattern is too complex, and throws `OutOfMemoryError` directly instead of attempting to allocate an amount of memory that will surely fail.

Issue ID

JDK-8313083

Summary: Print 'rss' and 'cache' as part of the container information

Description: The HotSpot runtime code has been updated to additionally print container's 'rss' and 'cache'. The additional output is to be found in JVM response to `jcmd [PID] VM.info` request, and in `hs_err` file generated in case of JVM abrupt termination. This will help monitoring and troubleshooting OutOfMemory situations as OOM killer can terminate a process if its rss+cache usage reaches the max memory limit of the container.

JDK-8313367

Summary: SunMSCAPI Provider Opens the Windows Local Computer Key Store in Read-Only Mode in Non-Elevated Processes

Description: The Local Computer key store is accessed using the `CERT_STORE_MAXIMUM_ALLOWED_FLAG`. Since this store is typically managed by administrators for security reasons, processes are only given read-only access to specific private keys. By opening the store in read-only mode, non-elevated processes can now securely use these keys without requiring elevated permissions.

JDK-8319174

Summary: Enhance robustness of some `j.m.BigInteger` constructors

Description: The `@throws NumberFormatException` clause of constructor `BigInteger(byte[], int, int)` was extended to throw the same exception when `len` is zero.

JDK-8337506

Summary: Disable 'best-fit' Mapping on Windows Command Line

Description: Command line arguments to the Java launcher are no longer converted with [Windows 'best-fit' mapping](#) when the arguments include unmappable characters for the ANSI code page. This mapping has been intervening in the Java launcher's argument parsing. Unmappable characters are now replaced with the default replacement character, such as '?' in some cases. For rare cases, where applications need those unmappable characters on the command line, select UTF-8 in Windows Regional Settings.

Issue ID

JDK-8341964

Summary: Mechanism to Disable TLS Cipher Suites by Pattern Matching

Description: TLS cipher suites can be disabled with the `jdk.tls.disabledAlgorithms` security property in the `java.security` configuration file using one or more wildcard characters. For example, "TLS_RSA_" disables all cipher suites that start with "TLS_RSA_". Only cipher suites starting with "TLS_" are allowed to have wildcard characters.

JDK-8342075

Summary: `java.net.http.HttpClient` Is Enhanced to Report HTTP/2 Flow Control Errors to the Server

Description: The `java.net.http.HttpClient` will now report HTTP/2 flow control errors to the server when they are detected. This is an implementation detail that should be transparent to users of the `HttpClient` API, but could result in streams being reset or connections being closed if connecting to a non-conformant HTTP/2 server. The flow control limits enforced by the client can be specified with two system properties, which can be set on the `java` command line: `jdk.httpclient.connectionWindowSize` specifies the HTTP/2 client connection window size in bytes. The default value, if unspecified, is 2^{26} . Valid values are in the range $[2^{16}-1, 2^{31}-1]$. If an invalid value is provided, the default value is used. The implementation guarantees that the actual value will be no smaller than the stream window size, which can be configured through the `jdk.httpclient.windowSize` system property. `jdk.httpclient.windowSize` specifies the HTTP/2 client stream window size in bytes. The default value if unspecified is 16777216 or 16 MB. Valid values are in the range $[2^{14}, 2^{31}-1]$. If an invalid value is provided, the default value is used.

Issue ID

JDK-8344137

Summary: Updated XML Security for Java to 3.0.5

Description: The XML Signature implementation has been updated to Santuario 3.0.5. Support for four new SHA-3 based ECDSA SignatureMethod algorithms have been added:

SignatureMethod.ECDSA_SHA3_224,
SignatureMethod.ECDSA_SHA3_256,
SignatureMethod.ECDSA_SHA3_384, and
SignatureMethod.ECDSA_SHA3_512.

JDK-8349583

Summary: Mechanism to Disable Signature Schemes Based on Their TLS Scope

Description: TLS protocol specific usage constraints are now supported by the `jdk.tls.disabledAlgorithms` property in the `java.security` configuration file. Note that `HandshakeSignature` restricts the use of an algorithm in TLS handshake signatures. `CertificateSignature` restricts the use of an algorithm in certificate signatures. An algorithm with this constraint cannot include other usage types defined in the `jdk.certpath.disabledAlgorithms` property. The usage type follows the keyword and more than one usage type can be specified with a whitespace delimiter.

JDK-8350582

Summary: Correct the parsing of the `ssl` value in `javax.net.debug`

Description: The logging behavior of the TLS `javax.net.debug` system property has been improved in this release. The `javax.net.debug` property is used to generate TLS debug logs from the default JSSE provider. Previously, using the `ssl` option via `-Djavax.net.debug=ssl` produced very limited output, which reduced its usefulness for troubleshooting. With this update, setting `-Djavax.net.debug=ssl` now enables comprehensive SSL debug logging, except for the `data`, `packet`, and `plaintext` sub-options. Applications using this option will now see significantly more detailed debug information in logs.

Issue ID

JDK-8361212

Summary: Removed Four AffirmTrust Root Certificates

Description: 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

Builds of Liberica JDK With CRaC

This release of Liberica JDK includes full CRaC support. CRaC support is available for Liberica JDK 17 and 21. For more information, see [Using CRaC with Java applications](#).

IANA TZ Data update

This release of Liberica JDK 17.0.17 upgrades the in-tree copy of the [IANA timezone database](#) to 2025b. The following are the key changes of this update:

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-2025-31257	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-53057	5.9	security-libs	java.security	network	high	none	none	unchanged	none	high	none
CVE-2025-53066	4.8	xml	jaxp	network	high	none	none	unchanged	low	none	low

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-8042381	Test javafx/swing/JRootPane/4670486/bug4670486. java fails with Action has not been received
JDK-8079786	[macosx] Test java/awt/Frame/DisposeParentGC/DisposeParentGC.java fails for Mac only
JDK-8132785	java/lang/management/ThreadMXBean/ThreadLists.java fails intermittently
JDK-8136895	Writer not closed with disk full error, file resource leaked
JDK-8167252	Some of Charset.availableCharsets() does not contain itself
JDK-8185429	[macos] After a modal dialog is closed, no window becomes active
JDK-8196017	java/awt/Mouse/GetMousePositionTest/GetMousePositionWithPopup.java fails
JDK-8202667	java/awt/Debug/DumpOnKey/DumpOnKey.java times out on Windows

Issue ID	Summary
JDK-8203867	Delete test java/awt/TrayIcon/DbClickActionEventTest/DbClickActionEventTest.html
JDK-8217914	java/net/httpclient/ConnectTimeoutHandshake Sync.java failed on connection refused while doing POST
JDK-8225777	java/awt/Mixing/MixingOnDialog.java fails on Ubuntu
JDK-8226919	attach in linux hangs due to permission denied accessing /proc/pid/root
JDK-8249825	Tests sun/security/ssl/SSLSocketImpl/SetClientMode.j ava and NonAutoClose.java marked with @ignore
JDK-8264207	CodeStrings does not honour fixed address assumption.
JDK-8266246	Swing test PressedIconTest.java sometimes fails on macOS 11 ARM
JDK-8266247	Swing test bug7154030.java sometimes fails on macOS 11 ARM
JDK-8273539	[PPC64] gtest build error after JDK-8264207
JDK-8274039	codestrings gtest fails when hsdisk is present
JDK-8274453	(sctp) com/sun/nio/sctp/SctpChannel/CloseDescriptor s.java test should be resilient to lsof warnings

Issue ID	Summary
JDK-8275079	Remove unnecessary conversion to String in java.net.http
JDK-8276046	codestrings.validate_vm gtest fails on ppc64, s390
JDK-8276175	codestrings.validate_vm gtest still broken on ppc64 after JDK-8276046
JDK-8276401	Use blessed modifier order in java.net.http
JDK-8276681	Additional malformed Javadoc inline tags in JDK source
JDK-8277969	HttpClient SelectorManager shuts down when custom Executor rejects a task
JDK-8279005	sun/tools/jstat tests do not check for test case exit codes after JDK-8245129
JDK-8280818	Expand bug8033699.java to iterate over all LaFs
JDK-8282144	RandomSupport.convertSeedBytesToLongs sign extension overwrites previous bytes
JDK-8282147	[TESTBUG] waitForIdle after creating frame in JSpinnerMouseAndKeyPressTest.java
JDK-8283467	runtime/Thread/StopAtExit.java needs updating
JDK-8285032	vmTestbase/nsk/jdi/EventSet/suspendPolicy/suspendpolicy008/ fails with "eventSet.suspendPolicy() != policyExpected"

Issue ID	Summary
JDK-8285773	Replace Algorithms.eatMemory(...) with WB.fullGC() in vmTestbase/gc/gctests/ReferencesGC/ReferencesGC.java
JDK-8285951	Replace Algorithms.eatMemory(...) with WB.fullGC() in vmTestbase_vm_gc_ref tests
JDK-8286171	HttpClient/2 : Expect:100-Continue blocks indefinitely when response is not 100
JDK-8286194	ExecutorShutdown test fails intermittently
JDK-8286660	codestrings gtest fails on AArch64: "udf" in padding
JDK-8288209	SSL debug message wrong about unsupported authentication scheme
JDK-8288746	HttpClient resources could be reclaimed more eagerly
JDK-8290368	Introduce LDAP and RMI protocol-specific object factory filters to JNDI implementation
JDK-8292876	Do not include the deprecated userinfo component of the URI in HTTP/2 headers
JDK-8293713	java/net/httpclient/BufferingSubscriberTest.java fails in timeout, blocked in submission publisher
JDK-8293786	HttpClient will not send more than 64 kb of data from the 2nd request in http2

Issue ID	Summary
JDK-8294509	The sign extension bug applies to 'public static int[] convertSeedBytesToInts(byte[] seed, int n, int z)' in RandomSupport
JDK-8294839	Disable StressLongCountedLoop in compiler/loopopts/TestRemoveEmptyLoop.java
JDK-8294916	Cancelling a request must eventually cause its response body subscriber to be unregistered
JDK-8294985	SSLEngine throws IAE during parsing of X500Principal
JDK-8295005	compiler/loopopts/TestRemoveEmptyLoop.java fails with release VMs after JDK-8294839
JDK-8295210	IR framework should not whitelist -XX: -UseTLAB
JDK-8297075	java/net/httpclient/CancelStreamedBodyTest.java fails with "java.lang.AssertionError: WARNING: tracker for HttpClientImpl(1) has outstanding operations"
JDK-8297106	Remove the -Xcheck:jni local reference capacity checking
JDK-8297149	REDO JDK-8296889: Race condition when cancelling a request
JDK-8297200	java/net/httpclient/SpecialHeadersTest.java failed once in AssertionError due to selector thread remaining alive

Issue ID	Summary
JDK-8297424	java/net/httpclient/AsyncExecutorShutdown.java fails in AssertionError due to misplaced assert
JDK-8297499	Parallel: Missing iteration over klass when marking objArrays/objArrayOops during Full GC
JDK-8297740	runtime/ClassUnload/UnloadTest.java failed with "Test failed: should still be live"
JDK-8298340	java/net/httpclient/CancelRequestTest.java fails with AssertionError: Found some subscribers for testPostInterrupt
JDK-8298514	vmTestbase/nsk/jdi/EventManager/threadDeathRequests/thrdeathreq002/TestDescription.java fails with usage tracker
JDK-8298907	nsk JDI tests pass if the debuggee failed to launch
JDK-8298931	java/net/httpclient/CancelStreamedBodyTest.java fails with AssertionError due to Pending TCP connections: 1
JDK-8299338	AssertionError in ResponseSubscribers\$HttpResponseInputStream::onSubscribe
JDK-8300207	Add a pre-check for the number of canonical equivalent permutations in j.u.r.Pattern
JDK-8301004	httpclient: Add more debug to HttpResponseInputStream

Issue ID	Summary
JDK-8301169	java/net/httpclient/ThrowingSubscribersAsInputStream.java, ThrowingSubscribersAsInputStreamAsync.java, and other httpclient tests failing on windows: Unable to establish loopback connection
JDK-8301255	Http2Connection may send too many GOAWAY frames
JDK-8302635	Race condition in HttpBodySubscriberWrapper when cancelling request
JDK-8303525	Refactor/cleanup open/test/jdk/javax/rmi/ssl/SSLSocketParametersTest.java
JDK-8307648	java/net/httpclient/ExpectContinueTest.java timed out
JDK-8308185	Update Http2TestServerConnection to use SSLSocket.startHandshake()
JDK-8312191	ColorConvertOp.filter for the default destination is too slow
JDK-8312475	org.jline.util.PumpReader signed byte problem
JDK-8313083	Print 'rss' and 'cache' as part of the container information
JDK-8313367	SunMSCAPI cannot read Local Computer certs w/o Windows elevation
JDK-8314611	Provide more explicative error message parsing Currencies

Issue ID	Summary
JDK-8314978	Multiple server call from connection failing with expect100 in getOutputStream
JDK-8315505	CompileTask timestamp printed can overflow
JDK-8316580	HttpClient with StructuredTaskScope does not close when a task fails
JDK-8317522	Test logic for BODY_CF in AbstractThrowingSubscribers.java is wrong
JDK-8317804	com/sun/jdi/JdwpAllowTest.java fails on Alpine 3.17 / 3.18
JDK-8317808	HTTP/2 stream cancellImpl may leave subscriber registered
JDK-8319174	Enhance robustness of some j.m.BigInteger constructors
JDK-8319932	[JVMCI] class unloading related tests can fail on libgraal
JDK-8320858	Move jpackage tests to tier3
JDK-8325910	Rename jnihelper.h
JDK-8326606	Test javax/swing/text/BoxView/6494356/bug6494356.java performs a synchronization on a value based class
JDK-8327750	Convert javax/swing/JFileChooser/FileFilterDescription/FileFilterDescription.java applet test to main

Issue ID	Summary
JDK-8327751	Convert javax/swing/JInternalFrame/6726866/bug6726866.java applet test to main
JDK-8327752	Convert javax/swing/JOptionPane/4174551/bug4174551.java applet to main
JDK-8327753	Convert javax/swing/JOptionPane/8024926/bug8024926.java applet to main
JDK-8327754	Convert javax/swing/JPopupMenu/7160604/bug7160604.java applet to main
JDK-8327755	Convert javax/swing/JScrollBar/8039464/Test8039464.java applet to main
JDK-8327756	Convert javax/swing/JSlider/4987336/bug4987336.java applet to main
JDK-8327826	Convert javax/swing/border/Test4243289.java applet test to main
JDK-8327835	Convert java/awt/FileDialog/RegexpFilterTest/RegexpFilterTest applet test to main
JDK-8327838	Convert java/awt/FileDialog/MultipleMode/MultipleMode.html applet test to main

Issue ID	Summary
JDK-8327872	Convert javax/swing/JToolTip/4644444/bug4644444.java applet test to main
JDK-8327873	Convert javax/swing/border/Test4247606.java applet test to main
JDK-8327874	Convert javax/swing/JTree/4314199/bug4314199.java applet test to main
JDK-8327876	Convert javax/swing/border/Test4252164.java applet test to main
JDK-8327879	Convert javax/swing/border/Test4760089.java applet test to main
JDK-8327969	Convert javax/swing/border/Test6910490.java applet test to main
JDK-8327972	Convert java/awt/FileDialog/SaveFileNameOverrideTest /SaveFileNameOverrideTest.html applet test to main
JDK-8328000	Convert /java/awt/im/8154816/bug8154816.java applet test to main
JDK-8328012	Convert InputMethod (/java/awt/im) applet tests to main
JDK-8328030	Convert javax/swing/text/GlyphView/4984669/bug498 4669.java applet test to main

Issue ID	Summary
JDK-8328035	Convert javax/swing/text/html/TableView/7030332/bug 7030332.java applet test to main
JDK-8328087	Automate javax/swing/JTable/TAB/TAB.java applet test
JDK-8328089	Automate javax/swing/JTable/4222153/bug4222153.java applet test
JDK-8328154	Convert sun/java2d/loops/CopyAreaSpeed.java applet test to main
JDK-8328190	Convert AWTPanelSmoothWheel.html applet test to main
JDK-8328225	Convert ImageDecoratedDnD.html applet test to main
JDK-8328244	Convert javax/swing/JSlider/6742358/bug6742358.java applet test to main
JDK-8328248	Convert javax/swing/JSlider/6587742/bug6587742.java applet test to main
JDK-8328262	Convert javax/swing/JSplitPane/8132123/bug8132123.j ava applet test to main
JDK-8328279	Convert java/awt/Cursor/CursorOverlappedPanelsTest test to main

Issue ID	Summary
JDK-8328328	Convert javax/swing/JTabbedPane/4666224/bug4666224.java applet test to main
JDK-8328367	Convert java/awt/Component/UpdatingBootTime test to main
JDK-8328378	Convert java/awt/FileDialog/FileDialogForDirectories test to main
JDK-8328382	Convert java/awt/FileDialog/FileDialogForPackages test to main
JDK-8328384	Convert java/awt/FileDialog/FileDialogOpenDirTest test to main
JDK-8328385	Convert java/awt/FileDialog/FileDialogReturnTest test to main
JDK-8328386	Convert java/awt/FileDialog/FileNameOverrideTest test to main
JDK-8328398	Convert java/awt/im/4490692/bug4490692.html applet test to main
JDK-8328401	Convert java/awt/Frame/InitialMaximizedTest/InitialMaximizedTest.html applet test to automated

Issue ID	Summary
JDK-8328570	Convert closed JViewport manual applet tests to main
JDK-8328631	Convert java/awt/InputMethods/InputMethodsTest/Inpu tMethodsTest.java applet test to manual
JDK-8330022	Failure test/hotspot/jtreg/vmTestbase/nsk/sysdict/shar e/BTreeTest.java: Could not initialize class java.util.concurrent.ThreadLocalRandom
JDK-8330106	C2: VectorInsertNode::make() shouldn't call ConlNode::make() directly
JDK-8330535	Update nsk/jdb tests to use driver instead of othervm
JDK-8332252	Clean up vmTestbase/vm/share
JDK-8332494	java/util/zip/EntryCount64k.java failing with java.lang.RuntimeException: '\A\Z' missing from stderr
JDK-8332551	Test vmTestbase/nsk/monitoring/MemoryNotificatio nInfo/from/from001/TestDescription.java timed out
JDK-8334016	Make PrintNullString.java automatic
JDK-8334320	Replace vmTestbase/metaspaces/share/TriggerUnloadin gWithWhiteBox.java with ClassUnloadCommon from testlibrary

Issue ID	Summary
JDK-8334394	Race condition in Class::protectionDomain
JDK-8334457	Test javax/swing/JTabbedPane/bug4666224.java fail on macOS with because pressing the "Command" key does not switch the layout to WRAP_TAB_LAYOUT
JDK-8335131	Test "javax/swing/JColorChooser/Test6977726.java " failed on ubuntu x64 because "Preview" title is missing for GTK L&F
JDK-8335181	Incorrect handling of HTTP/2 GOAWAY frames in HttpClient
JDK-8335252	Reduce size of j.u.Formatter.Conversion#isValid
JDK-8335468	[XWayland] JavaFX hangs when calling java.awt.Robot.getPixelColor
JDK-8336499	Failure when creating non-CRT RSA private keys in SunPKCS11
JDK-8337506	Disable "best-fit" mapping on Windows command line
JDK-8339561	The test/jdk/java/awt/Paint/ListRepaint.java may fail after JDK-8327401
JDK-8339725	Concurrent GC crashed due to GetMethodDeclaringClass
JDK-8339834	Replace usages of -mx and -ms in some tests

Issue ID	Summary
JDK-8340146	ZGC: TestAllocateHeapAt.java should not run with UseLargePages
JDK-8340185	Use make -k on GHA to catch more build errors
JDK-8340389	vmTestbase/gc/gctests/PhantomReference/phantom001/TestDescription.java Test exit code: 97 with -Xcomp UseAVX=3
JDK-8340554	Improve MessageFormat readObject checks
JDK-8341311	[Accessibility,macOS,VoiceOver] VoiceOver announces incorrect number of items in submenu of JPopupMenu
JDK-8341370	Test java/awt/Frame/ShapeNotSetSometimes/ShapeNotSetSometimes.java fails intermittently on macOS-aarch64
JDK-8341964	Add mechanism to disable different parts of TLS cipher suite
JDK-8342075	HttpClient: improve HTTP/2 flow control checks
JDK-8342330	C2: "node pinned on loop exit test?" assert failure
JDK-8343074	test/jdk/com/sun/net/httpserver/docs/test1/largefile.txt could be generated
JDK-8343618	Stack smashing in awt_InputMethod.c on Linux s390x

Issue ID	Summary
JDK-8343804	Show the default time zone with -XshowSettings option
JDK-8343855	HTTP/2 ConnectionWindowUpdateSender may miss some unprocessed DataFrames from closed streams
JDK-8343977	Convert java/awt/TextArea/TextAreaCursorTest/HoveringAndDraggingTest to main
JDK-8344137	Update XML Security for Java to 3.0.5
JDK-8344338	javax/swing/JTextArea/bug4265784.java fails on Ubuntu 24.04.1
JDK-8344671	Few JFR streaming tests fail with application not alive error on MacOS 15
JDK-8345173	BlockLocationPrinter::print_location misses a ResourceMark
JDK-8345471	Clean up compiler/intrinsics/sha/cli tests
JDK-8345566	Deproblemlist test/jdk/javax/swing/JComboBox/6559152/bug 6559152.java
JDK-8345767	javax/swing/JSplitPane/4164779/JSplitPaneKeyboardNavigationTest.java fails in ubuntu22.04
JDK-8346285	Update jarsigner compatibility test for change in default digest algorithm

Issue ID	Summary
JDK-8346751	Internal java compiler error with type annotations in constants expression in constant fields
JDK-8346871	Improve robustness of java/util/zip/EntryCount64k.java test
JDK-8346998	Test nsk/jvmti/ResourceExhausted/resexhausted003 fails with java.lang.OutOfMemoryError when CDS is off
JDK-8347004	vmTestbase/metaspace/shrink_grow/ShrinkGrowTest/ShrinkGrowTest.java fails with CDS disabled
JDK-8347302	Mark test tools/jimage/JImageToolTest.java as flagless
JDK-8347373	HTTP/2 flow control checks may count unprocessed data twice
JDK-8347381	Upgrade jQuery UI to version 1.14.1
JDK-8348328	Update IANA Language Subtag Registry to Version 2025-05-15
JDK-8348365	Bad format string in CLDRDisplayNamesTest
JDK-8348760	RadioButton is not shown if JRadioButtonMenuItem is rendered with ImageIcon in WindowsLookAndFeel

Issue ID	Summary
JDK-8349151	Refactor test/java/security/cert/CertificateFactory/slowstream.sh to java test
JDK-8349214	Improve size optimization flags for MSVC builds
JDK-8349583	Add mechanism to disable signature schemes based on their TLS scope
JDK-8349849	PKCS11 SunTlsKeyMaterial crashes when used with TLS1.2 TlsKeyMaterialParameterSpec
JDK-8350483	AArch64: turn on signum intrinsics by default on Ampere CPUs
JDK-8350582	Correct the parsing of the ssl value in javax.net.debug
JDK-8350767	Fix -Wzero-as-null-pointer-constant warnings in nsk jni stress tests
JDK-8350807	Certificates using MD5 algorithm that are disabled by default are incorrectly allowed in TLSv1.3 when re-enabled
JDK-8350830	Values converted incorrectly when reading TLS session tickets
JDK-8350964	Add an ArtifactResolver.fetch(clazz) method
JDK-8351277	Remove pipewire from AIX build
JDK-8351601	[JMH] test UnixSocketChannelReadWrite failed for 2 threads config

Issue ID	Summary
JDK-8351884	Refactor bug8033699.java test code
JDK-8351907	[XWayland] [OL10] Robot.mousePress() is delivered to wrong place
JDK-8351933	Inaccurate masking of TC subfield decrement in ForkJoinPool
JDK-8351997	AArch64: Interpreter volatile reference stores with G1 are not sequentially consistent
JDK-8352509	Update jdk.test.lib.SecurityTools jar method to accept List<String> parameter
JDK-8352624	Add missing {@code} to PassFailJFrame.Builder.splitUI
JDK-8352637	Enhance bytecode verification
JDK-8352677	Opensource JMenu tests - series2
JDK-8352719	Add an equals sign to the modules statement
JDK-8352860	Open source events tests batch0
JDK-8352879	TestPeriod.java and TestGetContentType.java run wrong test class
JDK-8352895	UserCookie.java runs wrong test class
JDK-8352896	LambdaExpr02.java runs wrong test class
JDK-8352946	SEGV_BND signal code of SIGSEGV missing from our signal-code table

Issue ID	Summary
JDK-8353000	Open source several swing tests batch2
JDK-8353126	Open source events tests batch1
JDK-8353213	Open source several swing tests batch3
JDK-8353235	Test jdk/jfr/api/metadata/annotations/TestPeriod.java fails with IllegalArgumentException
JDK-8353293	Open source several swing tests batch4
JDK-8353304	Open source two JTabbedPane tests
JDK-8353489	Increase timeout and improve Windows compatibility in test/jdk/java/lang/ProcessBuilder/Basic.java
JDK-8353549	Open source events tests batch2
JDK-8353568	SEGV_BNDERR signal code adjust definition
JDK-8353655	Clean up and open source KeyEvent related tests (Part 1)
JDK-8353662	Add test for non-local file URL fallback to FTP
JDK-8353713	Improve Currency.getInstance exception handling
JDK-8353748	Open source several swing tests batch6
JDK-8354285	Open source Swing tests Batch 3

Issue ID	Summary
JDK-8354327	Rewrite runtime/LoadClass/LoadClassNegative.java
JDK-8354415	[Ubuntu25.04] api/java_awt/GraphicsDevice/indexTGF.html#SetDisplayMode - setDisplayMode_REFRESH_RATE_UNKNOWN fails: Height is different on vnc
JDK-8354941	Build failure with glibc 2.42 due to uabs() name collision
JDK-8355051	Problemist java/awt/Graphics2D/CopyAreaOOB.java on macosx-aarch64
JDK-8355249	Remove the use of WMIC from the entire source code
JDK-8355262	Test sun/security/ssl/SSLSessionImpl/NoInvalidateSocketException.java failed: accept timed out
JDK-8355366	Fix the wrong usage of PassFailJFrame.forcePass() in some manual tests
JDK-8355370	Include server name in HTTP test server thread names to improve diagnostics
JDK-8355429	Open source ProgressMonitor test
JDK-8355441	Remove antipattern from PassFailJFrame.forcePass javadoc

Issue ID	Summary
JDK-8355453	nsk.share.jdi.Debuggee.waitingEvent() does not timeout properly
JDK-8355475	UNCTest should use an existing UNC path
JDK-8355515	Clarify the purpose of forcePass() and forceFail() methods
JDK-8355528	Update HarfBuzz to 11.2.0
JDK-8355578	[java.net] Use @requires tag instead of exiting based on "os.name" property value
JDK-8355779	When no "signature_algorithms_cert" extension is present we do not apply certificate scope constraints to algorithms in "signature_algorithms" extension
JDK-8356294	Enhance Path Factories
JDK-8357173	Split jtreg test group jdk tier3
JDK-8357253	Test test/jdk/sun/security/ssl/SSLSessionImpl/ResumeClientTLS12withSNI.java writes in src dir
JDK-8357285	JSR166 Test case testShutdownNow_delayedTasks failed
JDK-8357672	Extreme font sizes can cause font substitution
JDK-8357793	[PPC64] VM crashes with -XX:-UseSIGTRAP -XX:-ImplicitNullChecks

Issue ID	Summary
JDK-8357968	RISC-V: Interpreter volatile reference stores with G1 are not sequentially consistent
JDK-8358004	Delete applications/scimark/Scimark.java test
JDK-8358452	JNI exception pending in Java_sun_awt_screencast_ScreencastHelper_remoteDesktopKeyImpl of screencast_pipewire.c:1214 (ID: 51119)
JDK-8358538	Update GHA Windows runner to 2025
JDK-8358617	java/net/URLConnection/URLConnectionExpectContinueTest.java fails with 403 due to system proxies
JDK-8358660	Bump update version for OpenJDK: jdk-17.0.17
JDK-8358697	TextLayout/MyanmarTextTest.java passes if no Myanmar font is found
JDK-8359272	Several vmTestbase/compact tests timed out on large memory machine
JDK-8360042	GHA: Bump MSVC to 14.44
JDK-8360647	[XWayland] [OL10] NumPad keys are not triggered
JDK-8360937	Enhance certificate handling
JDK-8361212	Remove AffirmTrust root CAs
JDK-8361478	GHA: Use MSYS2 from GHA runners

Issue ID	Summary
JDK-8362390	AIX make fails in awt_GraphicsEnv.c
JDK-8362582	GHA: Increase bundle retention time to deal with infra overload better
JDK-8362839	[21u] Problem list more tests that fail in 21 and would be fixed by 8309622
JDK-8363965	GHA: Switch cross-compiling sysroots to Debian bookworm
JDK-8365375	Method SU3.setAcceleratorSelectionForeground assigns to acceleratorForeground
JDK-8365389	Remove static color fields from SwingUtilities3 and WindowsMenuItemUI
JDK-8365811	test/jdk/java/net/CookieHandler/B6644726.java failure - "Should have 5 cookies. Got only 4, expires probably didn't parse correctly"
JDK-8367388	Tests start to fail on JDK-21 after JDK-8351907
JDK-8368308	ISO 4217 Amendment 180 Update

JFX issues

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

Issue ID	Summary
JDK-8328684	HellowWebView demo crashes when a webpage is scrolled
JDK-8350284	WebKit 620.1 crashes on startup on Windows x86 32-bit
JDK-8356982	Update WebKit to 622.1
JDK-8360270	Websocket communication issues with Vaadin applications through webview
JDK-8366876	Change JavaFX release version to 17.0.17 in jfx17u

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
HarfBuzz	HarfBuzz	11.2.0	java.desktop	8355528
jQuery	jQuery UI	1.14.1	jdk.javadoc	8347381
XML Security	XML Security	3.0.5	java.xml.crypto	8344137

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 17.0.17+11

Release Notes

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