

Liberica JDK 17.0.20+10

Release Notes



Liberica JDK
17.0.20
July 21, 2026

be//soft

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1. Version information

This document provides information about Liberica JDK 17.0.20 release. The full version string for this update release is 17.0.20+10. 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-8292177	Summary: New JFR Event: <code>jdk.InitialSecurityProperty</code> Description: A new Java Flight Recorder (JFR) event has been added to record details of initial security properties when loaded via the <code>java.security.Security</code> class. The new event name is <code>jdk.InitialSecurityProperty</code> and contains the following fields: <code>key</code> - Security Property Key, <code>value</code> - Corresponding Security Property Value. This new JFR event is enabled by default. The <code>java.security.debug=properties</code> system property will also now print initial security properties to the standard error stream. With this new event and the already available <code>jdk.SecurityPropertyModification</code> event (when enabled since it is not enabled by default), a JFR recording can now monitor the initial settings of all security properties and any subsequent changes.
JDK-8372351	Summary: Added WISEKey Global GB and GC Root CA Certificates Description: <code>wisekeyglobalrootgbca</code> and <code>wisekeyglobalrootgccca</code> root certificates have been added to the <code>cacerts</code> truststore.

Issue ID

JDK-8381551

Summary: DisabledCurve test fails on Windows after disabling SHA1

Description: sun\\security\\ssl\\CipherSuite\\DisabledCurve.java test failed on Windows with Server failed:
javax.net.ssl.SSLException: No supported signature algorithm for EC key error. The test started to fail after disabling SHA1 algorithms in TLS handshake by JDK-8340321. Test passed if ecdsa_sha1 usage HandshakeSignature is removed from the java.security file. Without SunMSCAPI, the test server used the ecdsa_sha224 signature algorithm, but it was unavailable if the SunMSCAPI provider was enabled.

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 version

This release of Liberica JDK 17.0.20 comes with the 2026b version of the in-tree copy of the [IANA timezone database](#). The following are the key features of this version.

Briefly

British Columbia moved to permanent -07 on 2026-03-09.

Some more overflow bugs have been fixed in zic.

Changes to future timestamps

British Columbia's 2026-03-08 spring forward was its last foreseeable clock change, as it moved to permanent -07 thereafter. (Thanks to Arthur David Olson.) Although the change to permanent -07 legally took place on 2026-03-09, temporarily model the change to occur on 2026-11-01 at 02:00 instead. This works around a limitation in CLDR v48.2 (2026-03-17). This temporary hack is planned to be removed after CLDR is fixed.

Changes to code

- zic no longer mishandles a last transition to a new time type.
- zic no longer overflows a buffer when generating a TZ string like "PST-167:59:58PDT-167:59:59,M11.5.6/-167:59:59,M12.5.6/-167:59:59", which can occur with adversarial input. (Thanks to Naveed Khan.)
- zic no longer generates a longer TZif file than necessary when an earlier time zone abbreviation is a suffix of a later one. As a nice side effect, zic no longer overflows a buffer when given a long series of abbreviations, each a suffix of the next. (Buffer overflow reported by Arthur Chan.)
- zic no longer overflows an int when processing input like 'Zone Ouch 2147483648:00:00 - LMT'. The int overflow can lead to buffer overflow in adversarial cases. (Thanks to Naveed Khan.)
- zic now checks for signals more often.

For more information, see [JDK-8383175](#).

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-2026-41254	7.5	client-libs	2d	network	low	none	none	unchanged	none	none	high
CVE-2026-46917	5.3	security-libs	javax.net.ssl	network	low	none	none	unchanged	none	none	low
CVE-2026-46968	5.9	security-libs	javax.net.ssl	network	high	none	none	unchanged	none	high	none
CVE-2026-47010	3.7	client-libs	javax.imageio	network	high	none	none	unchanged	none	low	none
CVE-2026-47013	5.3	javafx	graphics	network	low	none	none	unchanged	none	none	low
CVE-2026-47021	5.3	client-libs	2d	network	low	none	none	unchanged	none	none	low
CVE-2026-47027	5.3	security-libs	java.security	network	low	none	none	unchanged	none	none	low
CVE-2026-47030	3.1	javafx	web	network	high	none	required	unchanged	none	low	none
CVE-2026-47034	3.1	javafx	media	network	high	none	required	unchanged	none	low	none
CVE-2026-47035	3.1	javafx	media	network	high	none	required	unchanged	none	low	none
CVE-2026-47059	5.9	client-libs	2d	network	high	none	none	unchanged	none	none	low
CVE-2026-47063	7.5	security-libs	java.security	network	low	none	none	unchanged	none	high	none
CVE-2026-60147	6.5	security-libs	java.security	network	low	none	none	unchanged	low	low	none
CVE-2026-60164	3.1	javafx	web	network	high	none	required	unchanged	low	none	none
CVE-2026-60165	3.1	javafx	media	network	high	none	required	unchanged	none	low	none
CVE-2026-60166	3.1	javafx	media	network	high	none	required	unchanged	low	none	none

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-7184899	Test sun/java2d/X11SurfaceData/SharedMemoryPixmapsTest/SharedMemoryPixmapsTest.sh fail
JDK-8015444	java/awt/Focus/KeyStrokeTest.java sometimes fails
JDK-8064922	[macos] Test javax/swing/JTabbedPane/4624207/bug4624207.java fails
JDK-8068293	[TEST_BUG] Test closed/com/sun/java/swing/plaf/motif/InternalFrame/4150591/bug4150591.java fails with GTKLookAndFeel
JDK-8068310	[TEST_BUG] Test javax/swing/JColorChooser/Test4234761.java fails with GTKL&F
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

Issue ID	Summary
JDK-8221451	PIT: sun/java2d/X11SurfaceData/SharedMemoryPixmapsTest/SharedMemoryPixmapsTest.sh fails
JDK-8240908	RetransformClass does not know about MethodParameters attribute
JDK-8255463	java/nio/channels/spi/SelectorProvider/inheritedChannel/InheritedChannelTest.java failed with ThreadTimeoutException
JDK-8272477	Additional cleanup of test/jdk/java/nio/file/spi/SetDefaultProvider.java
JDK-8274082	Wrong test name in jtreg run tag for java/awt/print/PrinterJob/SwingUIText.java
JDK-8277444	Data race between JvmtiClassFileReconstituter::copy_bytecodes and class linking
JDK-8281243	Test java/lang/instrument/RetransformWithMethodParametersTest.java is failing
JDK-8282044	[JVMCI] Export _sha3_implCompress, _md5_implCompress and aarch64::_has_negatives stubs to JVMCI compiler.
JDK-8284993	Replace System.exit call in swing tests with RuntimeException
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

Issue ID	Summary
JDK-8287062	com/sun/jndi/ldap/LdapPoolTimeoutTest.java failed due to different timeout message
JDK-8290504	Close streams returned by ModuleReader::list
JDK-8293484	AArch64: TestUseSHA512IntrinsicsOptionOnSupportedCPU.java fails on CPU with SHA512 feature support
JDK-8297191	[macos] Printing a page range with starting page > 1 results in missing pages
JDK-8298783	java/lang/ref/FinalizerHistogramTest.java failed with "RuntimeException: MyObject is not found in test output"
JDK-8298823	[macos] java/awt/Mouse/EnterExitEvents/DragWindowTest.java continues to fail with "No MouseReleased event on label!"
JDK-8299304	Test "java/awt/print/PrinterJob/PageDialogTest.java" fails on macOS 13 x64 because the Page Dialog blocks the Toolkit
JDK-8304065	HttpServer.stop should terminate immediately if no exchanges are in progress
JDK-8309142	Refactor test/langtools/tools/javac/versions/Versions.java
JDK-8316274	javax/swing/ButtonGroup/TestButtonGroupFocusTraversal.java fails in Ubuntu 23.10 with Motif LAF
JDK-8317801	java/net/Socket/asyncClose/Race.java fails intermittently (aix)
JDK-8320677	Printer tests use invalid '@run main/manual=yesno
JDK-8321182	SourceExample.SOURCE_14 comment should refer to 'switch expressions' instead of 'text blocks'

Issue ID	Summary
JDK-8321303	Intermittent open/test/jdk/java/awt/KeyboardFocusmanager/ConsumeNextMnemonicKeyTypedTest/ConsumeNextMnemonicKeyTypedTest.java failure on Linux
JDK-8323089	networkaddress.cache.ttl is not a system property
JDK-8323545	java/awt/GraphicsDevice/CheckDisplayModes.java fails with "exit code: 133"
JDK-8323672	Suppress unwanted autoconf added flags in CC and CXX
JDK-8324345	Stack overflow during C2 compilation when splitting memory phi
JDK-8324641	[IR Framework] Add Setup method to provide custom arguments and set fields
JDK-8328300	Convert PrintDialogsTest.java from Applet to main program
JDK-8332495	java/util/logging/LoggingDeadlock2.java fails with AssertionError: Some tests failed
JDK-8334928	Test sun/security/ssl/SSLSocketImpl/ReuseAddr.java failed: java.net.BindException: Address already in use
JDK-8337876	[IR Framework] Add support for IR tests with @Stable
JDK-8338103	Stabilize and open source a Swing OGL ButtonResizeTest
JDK-8338112	Test testlibrary_tests/ir_framework/tests/TestPrivilegedMode.java fails with release build
JDK-8338344	Test TestPrivilegedMode.java intermittent fails java.lang.NoClassDefFoundError: jdk/test/lib/Platform

Issue ID	Summary
JDK-8338554	Fix inconsistencies in javadoc/doclet/testLinkOption/TestRedirectLinks.java
JDK-8338883	Show warning when CreateCoredumpOnCrash set, but core dump will not happen
JDK-8339233	Test javax/swing/JButton/SwingButtonResizeTestWithOpenGL.java#id failed: Button renderings are different after window resize
JDK-8339238	Update to use jtreg 7.5.1
JDK-8339879	Open some dialog awt tests
JDK-8339975	Open some dialog awt tests 2
JDK-8340140	Open some dialog awt tests 3
JDK-8340336	Open some checkbox awt tests
JDK-8340494	Open some dialog awt tests 4
JDK-8340851	Open some TextArea awt tests
JDK-8340987	Open some TextArea awt tests 1
JDK-8341055	Open some TextArea awt tests 2
JDK-8341292	Open some TextArea awt tests 3
JDK-8341376	Open some TextArea awt tests 4
JDK-8341427	JFR: Adjust object sampler span handling

Issue ID	Summary
JDK-8342401	[TESTBUG] javax/swing/JSpinner/8223788/JSpinnerButtonFocusTest.java test fails in ubuntu 22.04 on SBR Hosts
JDK-8345618	javax/swing/text/Caret/8163124/CaretFloatingPointAPITest.java leaves Caret is not complete
JDK-8346154	[XWayland] Some tests fail intermittently in the CI, but not locally
JDK-8347811	Container detection code for cgroups v2 should use cgroup.controllers
JDK-8347836	Disabled PopupMenu shows shortcuts on Mac
JDK-8349192	jvmti/scenarios/contention/TC05/tc05t001 fails: ERROR: tc05t001.cpp, 281: (waitedThreadCpuTime - waitThreadCpuTime) < (EXPECTED_ACCURACY * 1000000)
JDK-8349533	Refactor validator tests shell files to java
JDK-8349988	Change cgroup version detection logic to not depend on /proc/cgroups
JDK-8350749	Upgrade JLine to 3.29.0
JDK-8352685	Opensource JInternalFrame tests - series2
JDK-8352733	Improve RotFontBoundsTest test
JDK-8352877	Opensource Several Font related tests - Batch 1
JDK-8353488	Open some JComboBox bugs 3
JDK-8353552	Opensource Several Font related tests - Batch 3

Issue ID	Summary
JDK-8354163	Open source Swing tests Batch 1
JDK-8354469	Keytool exposes the password in plain text when command is piped using grep
JDK-8354695	Open source several swing tests batch7
JDK-8354878	File Leak in CgroupSubsystemFactory::determine_type of cgroupSubsystem_linux.cpp:300
JDK-8354900	javax/swing/AbstractButton/bug4133768.java failing on macosx-aarch64
JDK-8355048	ProblemList TestGlyphVectorLayout.java on all platforms
JDK-8355179	Reinstate javax/swing/JScrollBar/4865918/bug4865918.java headful and macos run
JDK-8355332	Fix failing semi-manual test EDT issue
JDK-8355443	[java.io] Use @requires tag instead of exiting based on File.separatorChar value
JDK-8355445	[java.nio] Use @requires tag instead of exiting based on "os.name" property value
JDK-8356107	[java.lang] Use @requires tag instead of exiting based on os.name or separatorChar property
JDK-8357062	Update Public Suffix List to 823beb1
JDK-8357082	Stabilize and add debug logs to CopyAreaOOB.java
JDK-8357141	Update to use jtreg 7.5.2

Issue ID	Summary
JDK-8357280	(bf) Remove @requires tags from java/nio/Buffer/LimitDirectMemory[NegativeTest].java
JDK-8357390	java/awt/Toolkit/ScreenInsetsTest/ScreenInsetsTest.java Test failing on Ubuntu 24.04 Vm Hosts used by Oracle's internal CI system
JDK-8358058	sun/java2d/OpenGL/DrawImageBg.java Test fails intermittently
JDK-8358751	C2: Recursive inlining check for compiled lambda forms is broken
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
JDK-8360160	ubuntu-22-04 machine is failing client tests
JDK-8360882	Tests throw SkippedException when they should fail
JDK-8361106	[TEST] com/sun/net/httpserver/Test9.java fails with java.nio.file.FileSystemException
JDK-8361606	ConsumeNextMnemonicKeyTypedTest.java fails on Windows: character typed with VK_A: a
JDK-8362428	Update IANA Language Subtag Registry to Version 2025-08-25
JDK-8364190	JFR: RemoteRecordingStream withers don't work
JDK-8364315	Remove unused xml files from test/jaxp/javax/xml/jaxp/functional/javax/xml/transform/xmlfiles
JDK-8364927	Add @requires annotation to TestReclaimStringsLeaksMemory.java
JDK-8365379	SU3.applyInsets may produce wrong results

Issue ID	Summary
JDK-8365423	[macos26] java/awt/MenuBar/8007006/bug8007006.java fails on macOS 26
JDK-8365424	[macos26] java/awt/Frame/DisposeTest.java fails on macOS 26
JDK-8365526	Crash with null Symbol passed to SystemDictionary::resolve_or_null
JDK-8365625	Can't change accelerator colors in Windows L&F
JDK-8366128	jdk/jdk/nio/zipfs/TestPosix.java::testJarFile uses wrong file
JDK-8366261	Provide utility methods for sun.security.util.Password
JDK-8366369	Add @requires linux for GTK L&F tests
JDK-8366852	java/awt/Choice/ChoiceMouseWheelTest/ChoiceMouseWheelTest.java test is failing
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-8368041	Enhance TLS certificate handling
JDK-8368335	Refactor the rest of Locale TestNG based tests to JUnit
JDK-8368498	Use JUnit instead of TestNG for jdk_text tests
JDK-8368551	Core dump warning may be confusing

Issue ID	Summary
JDK-8368670	Deadlock in JFR on event register + class load
JDK-8368683	[process] Increase jreg debug output maxOutputSize for TreeTest
JDK-8368754	runtime/cds/appcds/SignedJar.java log regex is too strict
JDK-8368885	NMT CommandLine tests can check for error better
JDK-8368892	Make JEditorPane/TestBrowserBGColor.java headless
JDK-8369251	Opensource few tests
JDK-8369319	java/net/httpclient/CancelRequestTest.java fails intermittently
JDK-8369335	Two sun/java2d/OpenGL tests fail on Windows after JDK-8358058
JDK-8369561	sun/java2d/OpenGL/DrawBitmaskImage.java#id0: Incorrect color for first pixel (actual=ff000000)
JDK-8369851	Remove darcy author tags from langtools tests
JDK-8369858	Remove darcy author tags from jdk tests
JDK-8369911	Test sun/java2d/marlin/ClipShapeTest.java#CubicDoDash, #Cubic and #Poly fail intermittent
JDK-8369950	TLS connection to IPv6 address fails with BCJSSE due to IllegalArgumentException
JDK-8370325	G1: Disallow GC for TLAB allocation
JDK-8370511	test/jdk/javax/swing/JSlider/bug4382876.java does not release previously pressed keys

Issue ID	Summary
JDK-8370732	Use <code>WhiteBox.getWhiteBox().fullGC()</code> to provoking gc for <code>nsk/jvmti</code> tests
JDK-8370942	<code>test/jdk/java/security/Provider/NewInstance.java</code> and <code>/test/jdk/java/security/cert/CertStore/NoLDAP.java</code> may skip without notifying
JDK-8371365	Update <code>javax/swing/JFileChooser/bug4759934.java</code> to use <code>Util.findComponent()</code>
JDK-8371366	<code>java/net/httpclient/whitebox/RawChannelTestDriver.java</code> fails intermittently in <code>jreg</code> timeout
JDK-8371383	Test <code>sun/security/tools/jarsigner/DefaultOptions.java</code> failed due to <code>CertificateNotYetValidException</code>
JDK-8371503	<code>RETAIN_IMAGE_AFTER_TEST</code> do not work for some tests
JDK-8372120	Add missing sound keyword to MIDI tests
JDK-8372351	Add 2 WISEKey roots
JDK-8372609	Bug4944439 does not enforce locale correctly
JDK-8372661	Add a null-safe static factory method to <code>"jdk.test.lib.net.SimpleSSLContext"</code>
JDK-8372988	Test <code>runtime/Nestmates/membership/TestNestHostErrorWithMultiThread.java</code> failed: Unexpected interrupt
JDK-8373101	<code>JdkClient</code> and <code>JdkServer</code> test classes ignore <code>namedGroups</code> field
JDK-8373239	Test <code>java/awt/print/PrinterJob/PageRanges.java</code> fails with incorrect selection of printed pages

Issue ID	Summary
JDK-8373275	Improve DTLS handshaking
JDK-8373623	Refactor Serialization tests for Records to JUnit
JDK-8373650	Test "javax/swing/JMenuItem/6458123/ManualBug6458123.java" fails because the check icons are not aligned properly as expected
JDK-8373690	Unexpected Keystore message using jdk.crypto.disabledAlgorithms
JDK-8373716	Refactor further java/util tests from TestNG to JUnit
JDK-8373807	test/jdk/java/net/httpclient/websocket/DummyWebSocketServer.java a getURI() uses "localhost"
JDK-8373847	Test javax/swing/JMenuItem/MenuItemTest/bug6197830.java failed because The test case automatically fails when clicking any items in the Nothing menu in all four windows (Left-to-right)-Menu Item Test and (Right-to-left)-Menu Item Test
JDK-8373869	Refactor java/net/httpclient/ThrowingPushPromises*.java tests to use JUnit5
JDK-8373928	4 Dangling pointer defect groups in java.c
JDK-8373931	Test javax/sound/sampled/Clip/AutoCloseTimeCheck.java timed out
JDK-8374058	Enhance JPEG handling
JDK-8374178	Missing include in systemDictionary.cpp after JDK-8365526
JDK-8374304	MultiResolutionSplashTest.java fails in CI: "Image with wrong resolution is used for splash screen!"
JDK-8374433	java/util/Locale/PreserveTagCase.java does not run any tests

Issue ID	Summary
JDK-8374506	Incorrect positioning of arrow icon in parent JMenu in Windows L&F
JDK-8374548	Process httpserver canceled keys more quickly
JDK-8374555	No need for visible input warning in s.s.u.Password when not reading from System.in
JDK-8374711	Hotspot runtime/CommandLine/OptionsValidation/TestOptionsWithRanges fails without printing the option name
JDK-8374888	Implement internal test cache to help UserIterCount test performance
JDK-8374998	Failing os::write - remove bad file
JDK-8375065	Update LCMS to 2.18
JDK-8375080	The tools/jpackage/windows/Win8365790Test.java may fail with ClassNotFoundException: jtreg.SkippedException
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-8375999	com/sun/jndi/ldap/LdapPoolTimeoutTest.java fails sporadically on Windows
JDK-8376031	HttpsURLConnection.getServerCertificates() throws "java.lang.IllegalStateException: connection not yet open" for the HEAD method

Issue ID	Summary
JDK-8376152	Test javax/sound/sampled/Clip/bug5070081.java timed out then completed
JDK-8376233	Clean up code in Desktop native peer
JDK-8377158	Enhance XBM image support
JDK-8377167	javax/imageio/ReadAbortTest.java throw NPE when x11 unavailable
JDK-8377498	Improve HttpServer handling
JDK-8377602	Create automated test for PageRange
JDK-8377678	G1: Heap Dumping crashes with -UseClassUnloading
JDK-8377727	Ghost caret and focus appear in non-editable text fields
JDK-8377833	Enhance Jar file processing
JDK-8377910	Minor cleanup of java/io/FileDescriptor/Sharing.java
JDK-8377944	LowMemoryTest2.java#id1 intermittent fails OOME: Metaspace
JDK-8378113	Add sun/java2d/OpenGL/ScaleParamsOOB.java to the ProblemList.txt file
JDK-8378201	[OGL] glXMakeContextCurrent() drops the buffers of the unbound drawable
JDK-8378417	Printing All pages results in NPE for 1.1 PrintJob
JDK-8378687	Improve delegation of HttpURLConnection

Issue ID	Summary
JDK-8378777	Bump update version for OpenJDK: jdk-17.0.20
JDK-8378802	[21u] backport changes to TKit.java by JDK-8352419
JDK-8380316	Test runtime/os/AvailableProcessors.java fails Invalid argument
JDK-8380565	PPC64: deoptimization stub should save vector registers
JDK-8380672	Improve certification checking
JDK-8380947	Add pull request template
JDK-8381039	Enhance AWT ImagingLib
JDK-8381049	Enhance Jar handling
JDK-8381205	[GHA] Upgrade Node.js 20 to 24
JDK-8381519	Enhance Der Value Handling
JDK-8381796	Enhance Certificate parsing
JDK-8382047	Update Libpng to 1.6.57
JDK-8382242	JFR: Metadata reconstruction invalidates ConstantMap for java.lang.String
JDK-8383175	(tz) Update Timezone Data to 2026b
JDK-8383354	Update LCMS to 2.19.1
JDK-8383473	Follow on from tzdata2026b time change to include temporary hack BC time change

Issue ID	Summary
JDK-8383601	RISC-V: ShenandoahBarrierSetAssembler::load_reference_barrier calls "weak" on "phantom" path
JDK-8383630	Fix iteration in tests doing class redefinition
JDK-8383659	[17u] JVM crashes during stub routines generation on Windows and rare combination of CPU features
JDK-8384158	[GHA] Downgrade Windows GHA runners to windows-2022 temporarily
JDK-8384486	NTLM tests fail on Windows 11 and Windows Server 2025
JDK-8384495	Update Libpng to 1.6.58
JDK-8384540	[25u, 21u, 17u] Update GHA JDKs after Apr/26 updates
JDK-8384815	SelectOneKeyOutOfMany and PreferredKey fail after expired test certificate
JDK-8384902	Update GIFlib to 6.1.3
JDK-8385390	Update FreeType to 2.14.3
JDK-8385490	Update HarfBuzz to 14.2.0
JDK-8386343	[17u] Fix NTLMHeadTest after backport of 8384486
JDK-8386551	Windows build broken because of MSys2/Make update

JFX issues

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

Issue ID	Summary
JDK-8309508	Possible memory leak in JPEG image loader
JDK-8324233	Update JPEG Image Decoding Software to 9f
JDK-8366217	Update GStreamer to 1.26.5
JDK-8373527	Improve Graphics playback
JDK-8375084	Update libxslt to 1.1.45
JDK-8378226	Animated GIFs do not animate after WebKit 620.1 update
JDK-8378277	Improve Editor selection
JDK-8379206	4 Null pointer dereference defect groups in 4 glib files
JDK-8379207	Improve audio conversion
JDK-8379209	Uninitialised variable in pathApplierFunctionFast of coretext.c
JDK-8379211	Uninitialised memory in Java_com_sun_javafx_font_freetype_OSFreeType_FT_1Outline_1De compose
JDK-8379257	Update JPEG Image Decoding Software to 10
JDK-8379336	Update libxml2 to 2.15.2

Issue ID	Summary
JDK-8381447	Remove G_DISABLE_CHECKS compiler flag on Windows to align GLib/GStreamer compilation with macOS/Linux
JDK-8381517	GlassViewDelegate::convertNSStringToJString can return uninitialized value
JDK-8381982	Add pull request template
JDK-8382868	Change JavaFX release version to 17.0.20 in jfx17u
JDK-8383092	Enhance WebView Resource Loading
JDK-8383143	Enhance Playlist Loading

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
FreeType	FreeType	2.14.3	java.desktop	JDK-8385390
GIFlib	GIFlib	6.1.3	java.desktop	JDK-8384902
GStreamer	GStreamer	1.26.5	javafx.media	JDK-8366217
HarfBuzz	HarfBuzz	14.2.0	java.desktop	JDK-8385490
JLine	JLine	3.29.0	jdk.internal.le	JDK-8350749
LCMS	LittleCMS	2.19.1	java.desktop	JDK-8383354
libjpeg	JPEG Image Decoding Software	10	javafx.web	JDK-8379257
Libpng	Libpng	1.6.58	java.awt	JDK-8384495
libxml2	libxml2	2.15.2	javafx.web	JDK-8379336
libxslt	libxslt	1.1.45	javafx.web	JDK-8375084
Zlib	Zlib	1.3.2	java.desktop	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 17.0.20+10

Release Notes

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