

Liberica JDK 11.0.23+10

Release Notes



Liberica JDK
11.0.23
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be//soft

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1. Introduction

This document provides the late-breaking information about Liberica JDK 11.0.23 release.

The full version string for this update release is 11.0.23+10. The version number is 11.

2. Liberica JDK 11.0.23+10

Liberica is a certified, Java SE 11-compliant distribution of OpenJDK 11, which works on server (Linux x86_64, Linux ARM64, Windows 64), desktop (Windows 64, Mac, Linux x86_64), and embedded devices (Linux ARM64, Linux ARMv7, including Raspberry Pi 2 & 3 (ARMv6 hardfloat)). It has the following notable additions:

- Linux x86_64 version contains support for ZGC.
- Linux x86_64, ARMv8 and ARMv7 distributions include a choice of Client VM, Server VM and Minimal VM.
- Alpine Linux x86_64 and aarch64 are built with musl support.
- Windows x86_64, Windows ARMv8, Mac, Linux x86_64, and Linux ARMv7 distributions contain OpenJFX 11.
- Linux ARMv7 distribution contains Device IO API compiled for Raspberry Pi.

Refer to the Oracle JDK 11.0.23 release notes for further information on JDK 11 features. This document further outlines the peculiarities of Liberica distribution as compared to Oracle JDK 11 distribution.

3. Liberica JDK 11 distribution

Liberica JDK 11 is distributed as .rpm, .zip, .deb and .tar.gz packages. Please select the most appropriate for your purposes.

Liberica JDK 11 introduced all [new features](#) supported by OpenJDK 11.

With the introduction of the Jigsaw feature in JDK 9 and Minimal VM it is now possible to create a Runtime that is sufficient to run your application and trim down the size of the Runtime. To generate a Runtime with just the Minimal VM, add `--vm=minimal` to `jlink` options.

Liberica JDK continues to provide support for AOT and Graal JIT. Since in OpenJDK 11 builds these features are deemed experimental and deprecated, it is recommended to compile native executables with [Liberica Native Image Kit](#) to avoid errors.

By default, the Liberica uses Server VM. Server VM and Client VM can be enabled with `-server` and `-client` command line options, respectively. In case the deployment requires minimizing the footprint, it may be beneficial to use Minimal VM, which emphasis is a minimal footprint. It has C1 JIT compiler only, Serial GC and no serviceability features.

4. Security Baselines

BellSoft Liberica follows the security baselines for Oracle Java SE. Please refer to the Oracle documentation for a list of issues fixed in a given release.

5. Known Issues

This release does not contain any known issues.

6. 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-2023-41993	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2024-21002	2.5	javafx	graphics	local	high	none	required	unchanged	none	low	none
CVE-2024-21003	3.1	javafx	graphics	network	high	none	required	unchanged	none	low	none
CVE-2024-21004	2.5	javafx	window-toolkit	local	high	none	required	unchanged	none	low	none
CVE-2024-21005	3.1	javafx	graphics	network	high	none	required	unchanged	none	low	none
CVE-2024-21011	3.7	hotspot	runtime	network	high	none	none	unchanged	none	none	low
CVE-2024-21012	3.7	core-libs	java.net	network	high	none	none	unchanged	none	low	none
CVE-2024-21068	3.7	hotspot	compiler	network	high	none	none	unchanged	none	low	none
CVE-2024-21085	3.7	core-libs	java.util	network	high	none	none	unchanged	none	none	low
CVE-2024-21094	3.7	hotspot	compiler	network	high	none	none	unchanged	none	low	none

7. Notable Issues

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

Issue ID	
JDK-8321536	<p>Summary: Add an approximation of total bytes allocated on the Java heap by the JVM</p> <p>Description: A new <code>com.sun.management.ThreadMXBean</code> method <code>getAllThreadAllocatedBytes()</code> was introduced that, if both <code>isAllocatedThreadMemorySupported()</code> and <code>isThreadAllocatedMemoryEnabled()</code> are true, returns an approximation of the total number of bytes allocated in the Java heap by the JVM process.</p>
JDK-8322203	<p>Summary: Type annotations are not visible to javac plugins across compilation boundaries</p> <p>Description: The implementation of <code>TypeMirror</code> now provides access to annotations for types loaded from bytecode. Annotation processors can access type annotations for elements using <code>AnnotationMirror#getAnnotationMirrors</code>, and the annotations will be included in the output of <code>AnnotationMirror#toString</code>.</p>
JDK-8323604	<p>Summary: Enable XML Signature secure validation mode by default</p> <p>Description: The XML Signature secure validation mode has been enabled by default (previously it was not enabled by default unless running with a security manager). When enabled, validation of XML signatures are subject to stricter checking of algorithms and other constraints as specified by the <code>jdk.xml.dsig.secureValidationPolicy</code> security property.</p>
JDK-8324215	<p>Summary: Update XML Security for Java to 3.0.2</p> <p>Description: The XML Signature implementation has been updated to Santuario 3.0.2. The main, new feature is support for EdDSA. We recommend avoiding the use of the <code>here()</code> function in new signatures and replacing existing signatures that use the <code>here()</code> function.</p>

Issue ID

JDK-8324493	<p>Summary: Update XML Security for Java to 3.0.3</p> <p>Description: The XML Signature implementation has been updated to Santuario 3.0.3. Support for four new SHA-3 based RSA-MGF1 SignatureMethod algorithms have been added: SignatureMethod.SHA3_224_RSA_MGF1, SignatureMethod.SHA3_256_RSA_MGF1, SignatureMethod.SHA3_384_RSA_MGF1, and SignatureMethod.SHA3_512_RSA_MGF1.</p>
JDK-8324804	<p>Summary: Add -proc:full to describe current default annotation processing policy</p> <p>Description: The -proc:full option was added to specify the current default policy of performing both annotation processing and subsequent compilation.</p>
JDK-8326560	<p>Summary: Add Certainly roots R1 and E1</p> <p>Description: Certainly Root R1 CA certificate was added.</p>
JDK-8327377	<p>Summary: Test 'api/java_awt/interactive/SystemTrayTests.html' failed because A blue ball icon is added outside of the system tray</p> <p>Description: When pressing the 'Add tray icon' button, the blue ball icon is now added to the system tray.</p>

8. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-6928542	Chinese characters in RTF are not decoded
JDK-7132796	[macosx] closed/javafx/swing/JComboBox/4517214/bug4517214.java fails on MacOS
JDK-7148092	[macosx] When Alt+down arrow key is pressed, the combobox popup does not appear.
JDK-8054022	URLConnection timeouts with Expect: 100-Continue and no chunking
JDK-8054572	[macosx] JComboBox paints the border incorrectly
JDK-8058176	[mlvm] tests should not allow code cache exhaustion
JDK-8067651	LevelTransitionTest.java, fix trivial methods levels logic
JDK-8068225	nsk/jdi/EventQueue/remove_/remove_/005 intermittently times out
JDK-8156889	ListKeychainStore.sh fails in some virtualized environments
JDK-8166275	vm/mlvm/meth/stress/compiler/deoptimize keeps timeouting
JDK-8166554	Avoid compilation blocking in OverloadCompileQueueTest.java

Issue ID	Summary
JDK-8169475	WheelModifier.java fails by timeout
JDK-8180266	Convert sun/security/provider/KeyStore/DKSTest.sh to Java Jtreg Test
JDK-8186610	move ModuleUtils to top-level testlibrary
JDK-8192864	defmeth tests can hide failures
JDK-8193543	Regression automated test '/open/test/jdk/java/awt/TrayIcon/SystemTrayInstance/SystemTrayInstanceTest.java' fails
JDK-8198668	MemoryPoolMBean/isUsageThresholdExceeded/isexceeded001/TestDescription.java still failing
JDK-8202282	[TESTBUG] appcads TestCommon.makeCommandLineForAppCDS() can be removed
JDK-8202790	DnD test DisposeFrameOnDragTest.java does not clean up
JDK-8202931	[macos] java/awt/Choice/ChoicePopupLocation/ChoicePopupLocation.java fails
JDK-8207211	[TESTBUG] Remove excessive output from CDS/AppCDS tests
JDK-8207214	Broken links in JDK API serialized-form page
JDK-8207855	Make applications/jcstress invoke tests in batches
JDK-8208243	vmTestbase/gc/lock/jni/jnilock002/TestDescription.java fails in jdk/hs nightly
JDK-8208278	[mlvm] [TESTBUG] vm.mlvm.mixed.stress.java.findDeadlock.INDIFY_Test Deadlocked threads are not always detected

Issue ID	Summary
JDK-8208623	[TESTBUG] runtime/LoadClass/LongBCP.java fails in AUFS file system
JDK-8208699	remove unneeded imports from runtime tests
JDK-8208704	runtime/appcads/MultiReleaseJars.java timed out often in hs-tier7 testing
JDK-8208705	[TESTBUG] The -Xlog:cds,cds+hashtables vm option is not always required for appcads tests
JDK-8209549	remove VMPropsExt from TEST.ROOT
JDK-8209595	MonitorVmStartTerminate.java timed out
JDK-8209946	[TESTBUG] CDS tests should use "@run driver"
JDK-8211438	[Testbug] runtime/XCheckJniJsig/XCheckJsig.java looks for libjsig in wrong location
JDK-8211978	Move testlibrary/jdk/testlibrary/SimpleSSLContext.java and testkeys to network testlibrary
JDK-8213622	Windows VS2013 build failure - "'snprintf': identifier not found"
JDK-8213926	WB_EnqueueInitializerForCompilation requests compilation for NULL
JDK-8213927	G1 ignores AlwaysPreTouch when UseTransparentHugePages is enabled
JDK-8214908	add ctw tests for jdk.jfr and jdk.management.jfr modules
JDK-8214915	CtwRunner misses export for jdk.internal.access
JDK-8216408	XMLStreamWriter setDefaultNamespace(null) throws NullPointerException
JDK-8217475	Unexpected StackOverflowError in "process reaper" thread

Issue ID	Summary
JDK-8218754	JDK-8068225 regression in JDIBreakpointTest
JDK-8219475	javap man page needs to be updated
JDK-8219585	[TESTBUG] sun/management/jmxremote/bootstrap/JMXInterfaceBindingTest.java passes trivially when it shouldn't
JDK-8219612	[TESTBUG] compiler.codecache.stress.Helper.TestCaseImpl can't be defined in different runtime package as its nest host
JDK-8225377	type annotations are not visible to javac plugins across compilation boundaries
JDK-8225471	Test utility jdk.test.lib.util.FileUtils.areAllMountPointsAccessible needs to tolerate duplicates
JDK-8226706	(se) Reduce the number of outer loop iterations on Windows in java/nio/channels/Selector/RacyDeregister.java
JDK-8226905	unproblem list applications/ctw/modules/* tests on windows
JDK-8226910	make it possible to use jtreg's -match via run-test framework
JDK-8227438	[TESTLIB] Determine if file exists by Files.exists in function FileUtils.deleteFileIfExistsWithRetry
JDK-8231585	java/lang/management/ThreadMXBean/MaxDepthForThreadInfoTest.java fails with java.lang.NullPointerException
JDK-8232839	JDI AfterThreadDeathTest.java failed due to "FAILED: Did not get expected InterruptedException on a StepRequest.enable()"
JDK-8233453	MLVM deoptimize stress test timed out

Issue ID	Summary
JDK-8234309	LFGarbageCollectedTest.java fails with parse Exception
JDK-8237222	[macos] java/awt/Focus/UnaccessibleChoice/AccessibleChoiceTest.java fails
JDK-8237777	"Dumping core ..." is shown despite claiming that "# No core dump will be written."
JDK-8237834	com/sun/jndi/ldap/LdapDnsProviderTest.java failing with LDAP response read timeout
JDK-8238274	(sctp) JDK-7118373 is not fixed for SctpChannel
JDK-8239801	[macos] java/awt/Focus/UnaccessibleChoice/AccessibleChoiceTest.java fails
JDK-8244679	JVM/TI GetCurrentContentedMonitor/contmon001 failed due to "(IsSameObject#3) unexpected monitor object: 0x000000562336DBA8"
JDK-8246222	Rename javac test T6395981.java to be more informative
JDK-8247818	GCC 10 warning stringop-overflow with symbol code
JDK-8249087	Always initialize _body[0..1] in Symbol constructor
JDK-8251349	Add TestCasImpl to OverloadCompileQueueTest.java's build dependencies
JDK-8251904	vmTestbase/nsk/sysdict/vm/stress/btree/btree010/btree010.java fails with ClassNotFoundException: nsk.sysdict.share.BTree0LLRLRLRRLR
JDK-8253543	sanity/client/SwingSet/src/ButtonDemoScreenshotTest.java failed with "AssertionError: All pixels are not black"
JDK-8253739	java/awt/image/MultiResolutionImage/MultiResolutionImageObserverTest.java fails

Issue ID	Summary
JDK-8253820	Save test images and dumps with timestamps from client sanity suite
JDK-8255277	randomDelay in DrainDeadlockT and LoggingDeadlock do not randomly delay
JDK-8255546	Missing coverage for javax.smartcardio.CardPermission and ResponseAPDU
JDK-8255743	Relax SIGFPE match in runtime/ErrorHandling/SecondaryErrorTest.java
JDK-8257505	nsk/share/test/StressOptions stressTime is scaled in getter but not when printed
JDK-8259801	Enable XML Signature secure validation mode by default
JDK-8264135	UnsafeGetStableArrayElement should account for different JIT implementation details
JDK-8265349	vmTestbase/./stress/compiler/deoptimize/Test.java fails with OOME due to CodeCache exhaustion.
JDK-8269025	jsig/Testjsig.java doesn't check exit code
JDK-8269077	TestSystemGC uses "require vm.gc.G1" for large pages subtest
JDK-8271094	runtime/duplAttributes/DuplAttributesTest.java doesn't check exit code
JDK-8271224	runtime/EnclosingMethodAttr/EnclMethodAttr.java doesn't check exit code
JDK-8271828	mark hotspot runtime/classFileParserBug tests which ignore external VM flags
JDK-8271829	mark hotspot runtime/Throwable tests which ignore external VM flags
JDK-8271890	mark hotspot runtime/Dictionary tests which ignore external VM flags
JDK-8272291	mark hotspot runtime/logging tests which ignore external VM flags

Issue ID	Summary
JDK-8272335	runtime/cds/appcds/MoveJDKTest.java doesn't check exit codes
JDK-8272551	mark hotspot runtime/modules tests which ignore external VM flags
JDK-8272552	mark hotspot runtime/cds tests which ignore external VM flags
JDK-8273803	Zero: Handle "zero" variant in CommandLineOptionTest.java
JDK-8274122	java/io/File/createTempFile/SpecialTempFile.java fails in Windows 11
JDK-8274621	NullPointerException because listenAddress[0] is null
JDK-8276796	gc/TestSystemGC.java large pages subtest fails with ZGC
JDK-8280007	Enable Neoverse N1 optimizations for Arm Neoverse V1 & N2
JDK-8281149	(fs) java/nio/file/FileStore/Basic.java fails with java.lang.RuntimeException: values differ by more than 1GB
JDK-8281377	Remove vmTestbase/nsk/monitoring/ThreadMXBean/ThreadInfo/Deadlock/JavaDeadlock001/TestDescription.java from problemist.
JDK-8281717	Cover logout method for several LoginModule
JDK-8282665	[REDO] ByteBufferTest.java: replace endless recursion with RuntimeException in void ck(double x, double y)
JDK-8284090	com/sun/security/auth/module/AllPlatforms.java fails to compile
JDK-8285756	clean up use of bad arguments for @clean in langtools tests
JDK-8285785	CheckCleanerBound test fails with PasswordCallback object is not released

Issue ID	Summary
JDK-8285867	Convert applet manual tests SelectionVisible.java to Frame and automate
JDK-8286846	test/jdk/javawx/swing/plaf/aqua/CustomComboBoxFocusTest.java fails on mac aarch64
JDK-8286969	Add a new test library API to execute kinit in SecurityTools.java
JDK-8287113	JFR: Periodic task thread uses period for method sampling events
JDK-8289511	Improve test coverage for XPath Axes: child
JDK-8289764	gc/lock tests failed with "OutOfMemoryError: Java heap space: failed reallocation of scalar replaced objects"
JDK-8289948	Improve test coverage for XPath functions: Node Set Functions
JDK-8290399	[macos] Aqua LAF does not fire an action event if combo box menu is displayed
JDK-8290909	MemoryPoolMBean/isUsageThresholdExceeded tests failed with "isUsageThresholdExceeded() returned false, and is still false, while threshold = MMMMMMMM and used peak = NNNNNNNN"
JDK-8292182	[TESTLIB] Enhance JAXPPolicyManager to setup required permissions for jtreg version 7 jar
JDK-8292946	GC lock/jni/jnilock001 test failed "assert(gch→gc_cause() == GCCause::_scavenge_alot !gch→incremental_collection_failed()) failed: Twice in a row"
JDK-8293819	sun/util/logging/PlatformLoggerTest.java failed with "RuntimeException: Retrieved backing PlatformLogger level null is not the expected CONFIG"
JDK-8294158	HTML formatting for PassFailJFrame instructions

Issue ID	Summary
JDK-8294254	[macOS] javax/swing/plaf/aqua/CustomComboBoxFocusTest.java failure
JDK-8294402	Add diagnostic logging to VMProps.checkDockerSupport
JDK-8294535	Add screen capture functionality to PassFailJFrame
JDK-8296083	javax/swing/JTree/6263446/bug6263446.java fails intermittently on a VM
JDK-8296384	[TESTBUG] sun/security/provider/SecureRandom/AbstractDrbg/SpecTest.java intermittently timeout
JDK-8299494	Test vmTestbase/nsk/stress/except/except011.java failed: ExceptionInInitializerError: target class not found
JDK-8300269	The selected item in an editable JComboBox with titled border is not visible in Aqua LAF
JDK-8300727	java/awt/List/ListGarbageCollectionTest/AwtListGarbageCollectionTest.java failed with "List wasn't garbage collected"
JDK-8301310	The SendRawSysErrorMessage test may cause a JVM crash
JDK-8301377	adjust timeout for JLI GetObjectSizeIntrinsicsTest.java subtest again
JDK-8301846	Invalid TargetDataLine after screen lock when using JFileChooser or COM library
JDK-8302017	Allocate BadPaddingException only if it will be thrown
JDK-8302109	Trivial fixes to btree tests
JDK-8302149	Speed up compiler/jsr292/methodHandleExceptions/TestAMENotNPE.java
JDK-8302607	increase timeout for ContinuousCallSiteTargetChange.java

Issue ID	Summary
JDK-8304074	[JMX] Add an approximation of total bytes allocated on the Java heap by the JVM
JDK-8304314	StackWalkTest.java fails after CODETOOLS-7903373
JDK-8304725	AsyncGetCallTrace can cause SIGBUS on M1
JDK-8305502	adjust timeouts in three more M&M tests
JDK-8305505	NPE in javazic compiler
JDK-8305972	Update XML Security for Java to 3.0.2
JDK-8306072	Open source several AWT MouseInfo related tests
JDK-8306076	Open source AWT misc tests
JDK-8306409	Open source AWT KeyBoardFocusManger, LightWeightComponent related tests
JDK-8306640	Open source several AWT TextArea related tests
JDK-8306652	Open source AWT MenuItem related tests
JDK-8306681	Open source more AWT DnD related tests
JDK-8306683	Open source several clipboard and color AWT tests
JDK-8306752	Open source several container and component AWT tests
JDK-8306753	Open source several container AWT tests
JDK-8306755	Open source few Swing JComponent and AbstractButton tests

Issue ID	Summary
JDK-8306812	Open source several AWT Miscellaneous tests
JDK-8306871	Open source more AWT Drag & Drop tests
JDK-8306996	Open source Swing MenuItem related tests
JDK-8307123	Fix deprecation warnings in DPrinter
JDK-8307130	Open source few Swing JMenu tests
JDK-8307299	Move more DnD tests to open
JDK-8307311	Timeouts on one macOS 12.6.1 host of two Swing JTableHeader tests
JDK-8307381	Open Source JFrame, JIF related Swing Tests
JDK-8307683	Loop Predication should not hoist range checks with trap on success projection by negating their condition
JDK-8308043	Deadlock in TestCSLocker.java due to blocking GC while allocating
JDK-8308116	jdk.test.lib.compiler.InMemoryJavaCompiler.compile does not close files
JDK-8308223	failure handler missed jcmd.vm.info command
JDK-8308232	nsk/jdb tests don't pass -verbose flag to the debuggee
JDK-8308245	Add -proc:full to describe current default annotation processing policy
JDK-8308336	Test java/net/URLConnection/URLConnectionExpectContinueTest.java failed: java.net.BindException: Address already in use

Issue ID	Summary
JDK-8309104	[JVMCI] compiler/unsafe/UnsafeGetStableArrayElement test asserts wrong values with Graal
JDK-8309119	[17u/11u] Redo JDK-8297951: C2: Create skeleton predicates for all If nodes in loop predication
JDK-8309462	[AIX] vmTestbase/nsk/jvmti/RunAgentThread/agentthr001/TestDescription.java crashing due to empty while loop
JDK-8309778	java/nio/file/Files/CopyAndMove.java fails when using second test directory
JDK-8309870	Using -proc:full should be considered requesting explicit annotation processing
JDK-8310106	sun.security.ssl.SSLHandshake.getHandshakeProducer() incorrectly checks handshakeConsumers
JDK-8310238	[test bug] javax/swing/JTableHeader/6889007/bug6889007.java fails
JDK-8310551	vmTestbase/nsk/jdb/interrupt/interrupt001/interrupt001.java timed out due to missing prompt
JDK-8310807	java/nio/channels/DatagramChannel/Connect.java timed out
JDK-8311081	KeytoolReaderP12Test.java fail on localized Windows platform
JDK-8311511	Improve description of NativeLibrary JFR event
JDK-8311585	Add JRadioButtonMenuItem to bug8031573.java
JDK-8313081	MonitoringSupport_lock should be unconditionally initialized after 8304074
JDK-8313082	Enable CreateCoredumpOnCrash for testing in makefiles

Issue ID	Summary
JDK-8313164	src/java.desktop/windows/native/libawt/windows/awt_Robot.cpp GetRGBPixels adjust releasing of resources
JDK-8313252	Java_sun_awt_windows_ThemeReader_paintBackground release resources in early returns
JDK-8313643	Update HarfBuzz to 8.2.2
JDK-8313816	Accessing jmethodID might lead to spurious crashes
JDK-8314144	gc/g1/ihop/TestIHOPStatic.java fails due to extra concurrent mark with -Xcomp
JDK-8314164	java/net/URLConnection/URLConnectionExpectContinueTest.java fails intermittently in timeout
JDK-8314883	Java_java_util_prefs_FileSystemPreferences_lockFile0 write result errno in missing case
JDK-8315034	File.mkdirs() occasionally fails to create folders on Windows shared folder
JDK-8315042	NPE in PKCS7.parseOldSignedData
JDK-8315415	OutputAnalyzer.shouldMatchByLine() fails in some cases
JDK-8315499	build using devkit on Linux ppc64le RHEL puts path to devkit into libsplashscreen
JDK-8315594	Open source few headless Swing misc tests
JDK-8315600	Open source few more headless Swing misc tests
JDK-8315602	Open source swing security manager test

Issue ID	Summary
JDK-8315606	Open source few swing text/html tests
JDK-8315611	Open source swing text/html and tree test
JDK-8315680	java/lang/ref/ReachabilityFenceTest.java should run with -Xbatch
JDK-8315708	Enhance HTTP/2 client usage
JDK-8315731	Open source several Swing Text related tests
JDK-8315761	Open source few swing JList and JMenuBar tests
JDK-8315986	[macos14] javax/swing/JMenuItem/4654927/bug4654927.java: component must be showing on the screen to determine its location
JDK-8316001	GC: Make TestArrayAllocatorMallocLimit use createTestJvm
JDK-8316028	Update FreeType to 2.13.2
JDK-8316030	Update Libpng to 1.6.40
JDK-8316106	Open source few swing JInternalFrame and JMenuBar tests
JDK-8316461	Fix: make test outputs TEST SUCCESS after unsuccessful exit
JDK-8316947	Write a test to check textArea triggers MouseEntered/MouseExited events properly
JDK-8317307	test/jdk/com/sun/jndi/ldap/LdapPoolTimeoutTest.java fails with ConnectException: Connection timed out: no further information
JDK-8317327	Remove JT_JAVA dead code in jib-profiles.js
JDK-8317507	C2 compilation fails with "Exceeded _node_regs array"

Issue ID	Summary
JDK-8318154	Improve stability of WheelModifier.java test
JDK-8318340	Improve RSA key implementations
JDK-8318410	jdk/java/lang/instrument/BootClassPath/BootClassPathTest.sh fails on Japanese Windows
JDK-8318468	compiler/tiered/LevelTransitionTest.java fails with -XX:CompileThreshold=100 -XX:TieredStopAtLevel=1
JDK-8318603	Parallelize sun/java2d/marlin/ClipShapeTest.java
JDK-8318607	Enable parallelism in vmTestbase/nsk/stress/jni tests
JDK-8318608	Enable parallelism in vmTestbase/nsk/stress/threads tests
JDK-8318736	com/sun/jdi/JdwpOnThrowTest.java failed with "transport error 202: bind failed: Address already in use"
JDK-8318889	C2: add bailout after assert Bad graph detected in build_loop_late
JDK-8318951	Additional negative value check in JPEG decoding
JDK-8318955	Add ReleaseIntArrayElements in Java_sun_awt_X11_XlibWrapper_SetBitmapShape XlbWrapper.c to early return
JDK-8318971	Better Error Handling for Jar Tool When Processing Non-existent Files
JDK-8318983	Fix comment typo in PKCS12Passwd.java
JDK-8319124	Update XML Security for Java to 3.0.3

Issue ID	Summary
JDK-8319456	jdk/jfr/event/gc/collection/TestGCCauseWith[Serial Parallel].java : GC cause 'GCLocker Initiated GC' not in the valid causes
JDK-8319668	Fixup of jar filename typo in BadFactoryTest.sh
JDK-8319851	Improve exception logging
JDK-8320001	javac crashes while adding type annotations to the return type of a constructor
JDK-8320208	Update Public Suffix List to b5bf572
JDK-8320363	ppc64 TypeEntries::type_unknown logic looks wrong, missed optimization opportunity
JDK-8320597	RSA signature verification fails on signed data that does not encode params correctly
JDK-8320798	Console read line with zero out should zero out underlying buffer
JDK-8320884	Bump update version for OpenJDK: jdk-11.0.23
JDK-8320937	support latest VS2022 MSC_VER in abstract_vm_version.cpp
JDK-8321151	JDK-8294427 breaks Windows L&F on all older Windows versions
JDK-8321215	Incorrect x86 instruction encoding for VSIB addressing mode
JDK-8321408	Add Certainly roots R1 and E1
JDK-8321480	ISO 4217 Amendment 176 Update
JDK-8322114	Improve Pack 200 handling

Issue ID	Summary
JDK-8322122	Enhance generation of addresses
JDK-8322178	Error. can't find jdk.testlibrary.SimpleSSLContext in test directory or libraries
JDK-8322417	Console read line with zero out should zero out when throwing exception
JDK-8322725	(tz) Update Timezone Data to 2023d
JDK-8322750	Test "api/java_awt/interactive/SystemTrayTests.html" failed because A blue ball icon is added outside of the system tray
JDK-8322752	[11u] GetStackTraceAndRetransformTest.java is failing assert
JDK-8322772	Clean up code after JDK-8322417
JDK-8322883	[BACKOUT] 8225377: type annotations are not visible to javac plugins across compilation boundaries
JDK-8323008	filter out harmful -std* flags added by autoconf from CXX
JDK-8323243	JNI invocation of an abstract instance method corrupts the stack
JDK-8323515	Create test alias "all" for all test roots
JDK-8323640	[TESTBUG]testMemoryFailCount in jdk/internal/platform/docker/TestDockerMemoryMetrics.java always fail because OOM killed
JDK-8324184	Windows VS2010 build failed with "error C2275: 'int64_t'"
JDK-8324307	[11u] hotspot fails to build with GCC 12 and newer (non-static data member initializers)
JDK-8324347	Enable "maybe-uninitialized" warning for FreeType 2.13.1

Issue ID	Summary
JDK-8324659	GHA: Generic jtreg errors are not reported
JDK-8325096	Test java/security/cert/CertPathBuilder/akiExt/AKISerialNumber.java is failing
JDK-8325150	(tz) Update Timezone Data to 2024a
JDK-8326109	GCC 13 reports maybe-uninitialized warnings for jni.cpp with dtrace enabled
JDK-8326503	[11u] java/net/URLConnection/URLConnectionExpectContinueTest.java fail because of package org.junit.jupiter.api does not exist
JDK-8327391	Add SipHash attribution file



Liberica JDK 11.0.23+10
Release Notes

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