Liberica JDK 17.0.18+10
Release Notes

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Contents

1. Version information

This document provides information about Liberica JDK 17.0.18 release. The full version string for this update release is 17.0.18+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-8245545   Summary: Disabled TLS_RSA cipher suites Description: The TLS_RSA cipher suites have been disabled by default, by adding 'TLS_RSA_*' to the `jdk.tls.disabledAlgorithms` security property in the `java.security` configuration file. The TLS_RSA cipher suites do not preserve forward-secrecy and are not commonly used. Some TLS_RSA cipher suites are already disabled because they use DES, 3DES, RC4, or NULL, which are disabled. This action disables all remaining TLS_RSA cipher suites. Any attempts to use cipher suites starting with 'TLS_RSA_' will fail with an `SSLHandshakeException`. Users can, at their own risk, re-enable these cipher suites by removing 'TLS_RSA_*' from the `jdk.tls.disabledAlgorithms` security property. The following previously enabled cipher suites are now disabled: TLS_RSA_WITH_AES_256_GCM_SHA384, TLS_RSA_WITH_AES_128_GCM_SHA256, TLS_RSA_WITH_AES_256_CBC_SHA256, TLS_RSA_WITH_AES_128_CBC_SHA256, TLS_RSA_WITH_AES_256_CBC_SHA, TLS_RSA_WITH_AES_128_CBC_SHA.

Issue ID

JDK-8286447	Summary: [Linux] AWT start in Headless mode if headful AWT library is not installed
	Description: AWT on Linux provides two native libraries, one for 'headful' X11 desktop apps, and one for 'headless' server apps. In some package install configurations, only the headless one may be available and installed, but if the DISPLAY variable is set, and 2D/Swing/AWT APIs are invoked, AWT will still assume it should use the 'headful' library, leading to a RuntimeException and the AWT failing to start even if the application did not call any APIs that require a headful library. A behavioural change was introduced to automatically assume AWT headless mode if only headless AWT libraries are installed on Linux.
JDK-8340321	Summary: Disabled SHA-1 in TLS/DTLS 1.2 handshake signatures
	Description: The SHA-1 algorithm has been disabled by default in TLS 1.2 and DTLS 1.2 handshake signatures, by adding `rsa_pkcs1_sha1` usage HandshakeSignature, `ecdsa_sha1` usage HandshakeSignature, `dsa_sha1` usage HandshakeSignature to the `jdk.tls.disabledAlgorithms` security property in the `java.security` config file. RFC 9155 deprecates the use of SHA-1 in TLS 1.2 and DTLS 1.2 digital signatures. Users can, at their own risk, re-enable the SHA-1 algorithm in TLS 1.2 and DTLS 1.2 handshake signatures by removing `rsa_pkcs1_sha1` usage HandshakeSignature, `ecdsa_sha1` usage HandshakeSignature, `dsa_sha1` usage HandshakeSignature from the `jdk.tls.disabledAlgorithms` security property.

Issue ID	
JDK-8345213	Summary: Changes to the Default Time Zone Detection on Debian-based Linux Description: On Debian-based Linux distributions such as Ubuntu, the `/etc/timezone` file was previously used to determine the JDK's default time zone (`TimeZone.getDefault()`). According to [Debian's Wiki](#), `/etc/localtime` is now the primary source for the system's default time zone, making `/etc/timezone` redundant. As a result, the JDK's default time zone detection logic has been updated to use `/etc/localtime` instead of `/etc/timezone`. If `/etc/localtime` and `/etc/timezone` are inconsistent for any reason, the JDK's default time zone is now determined solely based on `/etc/localtime` file.
JDK-8358701	Summary: Removed misleading javax.management.remote API doc wording about JMX spec, and historic link to JMXMP Description: Wording in `javax.management.remote` package description is updated to more accurately reflect our commitments. The phrase 'specification of this functionality is completed by Part III of the JMX Specification, version 1.4' is misleading, and has been removed, to avoid implying that our implementation is extended by the historical spec. Mentioning the historic JMXMP Connector and Generic Connector, and having links to the very old JMX Remote reference implementation in the Javadoc, may misleadingly imply these are a supported part of the JDK. These has also been removed.
JDK-8364556	Summary: Disabled `SymbolTableStatistics` and `StringTableStatistics` in `default.jfc` Description: `SymbolTableStatistics` and `StringTableStatistics` events are disabled in `default.jfc`. It is sufficient for them to be enabled in profile.jfc.

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Issue ID
JDK-8364993

Summary: Disabled `jdk.ModuleExport` in `default.jfc`

Description: Some applications with lots of code can produce an enormous number of ModuleExport events and associated constant pool data. These events provide practically no value. `jdk.ModuleExport` has been disabled in `default.jfc`. Users who want to diagnose module exports can easily run a small recording using the profile setting, or opt-in for the event as follows: $ java -XX:StartFlightRecording:settings=profile ...; $ java -XX:StartFlightRecording:jdk.ModuleExport#enabled=true ...

JDK-8365086

Summary: CookieStore.getURIs() and get(URI) now return an immutable List

Description: `CookieStore.getURIs` now returns 'an immutable list of URIs and returns an empty list if no cookie in this cookie store is associated with an URI' based on its JavaDoc.

JDK-8367237

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

Description: Re-using a `java.text.Collator` instance in a multi threaded environment leads to slower than expected performance. Since the state is mutable, and thread-safety achieved via synchronization, concurrent usage leads to threads stuck in a blocked state for significant periods of time. Using a dedicated instance per each thread leads to better performance and (of course) resolves the thread contention issues reported when using a single instance concurrently. Note that since the `Collator` and `RuleBasedCollator` classes are designed to be thread-safe and it is not a goal to label all such implementations as non thread-safe, the following wording is done as implementation-specific. An implementation note is provided suggesting to users that creating a new Collator instance per each thread is the suggested approach. It also calls out the potential thread contention when used otherwise. This applies to both `Collator` and `RuleBasedCollator`, where the former (which is an abstract class) warns about instances returned by the factory methods when the standard provider is in use.

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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 17.0.18 comes with the 2025b version of the in-tree copy of the IANA timezone database. The following are the key features of this version.

Future Timestamps

New Time Zone:

A new time zone, America/Coyhaique, is created for Chile's Aysén Region, which will now observe UTC−03 year-round (no daylight saving time).

- This diverges from America/Santiago starting March 20, 2025.

- Aysén will not change clocks on April 5, 2025.

- This aligns Aysén with Magallanes Region.

Past Timestamps

Iran Time Change Correction:

Iran changed from UTC+04 to UTC+03:30 on November 10, 1978, not at the end of the year as previously recorded.

Code Fixes

Improved behavior for the zic tool:

- It no longer creates invalid symlinks when using -l with multiple arguments.

- A buffer underflow issue is resolved.

For more information, see [JDK-8352716](#).

3. Known Issues

This release does not contain any known issues.

4. Fixed CVEs

This is the list of the security issues fixed in this release. CVSS scores are provided using the CVSS version 3.1 scoring system.

CVE ID	CVSS score	Component	Module	Attack Vector	Complexity	Privileges	User Interaction	Scope	Confidentiality	Integrity	Availability
CVE-2025-43368	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-47219	3.1	javafx	media	network	high	none	required	unchanged	low	none	none
CVE-2025-6021	5.9	javafx	web	network	high	none	none	unchanged	none	none	high
CVE-2025-6052	3.7	javafx	media	network	high	none	none	unchanged	none	none	low
CVE-2025-7424	5.5	javafx	web	local	low	none	required	unchanged	none	none	high
CVE-2025-7425	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2026-21925	4.8	core-libs	java.rmi	network	high	none	none	unchanged	low	low	none
CVE-2026-21932	7.4	client-libs	java.awt	network	low	none	required	changed	none	high	none
CVE-2026-21933	6.1	core-libs	java.net	network	low	none	required	changed	low	low	none
CVE-2026-21945	7.5	security-libs	java.security	network	low	none	none	unchanged	none	none	high
CVE-2026-21947	3.1	javafx	web	network	high	none	required	unchanged	none	low	none

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-7124287	[macosx] JTableHeader doesn't get focus after pressing F8 key
JDK-7191877	TEST_BUG: java/rmi/transport/checkLeaseInfoLeak/CheckLeaseLeak.java failing intermittently
JDK-8139228	JFileChooser renders file names as HTML document
JDK-8139392	JInternalFrame has incorrect padding
JDK-8140527	JInternalFrame has incorrect title button width
JDK-8201183	sjavac build failures: "Connection attempt failed: Connection refused"
JDK-8201778	Speed up test javax/net/ssl/DTLS/PacketLossRetransmission.java
JDK-8204868	java/util/zip/ZipFile/TestCleaner.java still fails with "cleaner failed to clean zipfile."

Issue ID	Summary
JDK-8210807	Printing a JTable with a JScrollPane prints table without rows populated
JDK-8219408	Tests should handle ${} in the view of jtreg "smart action"
JDK-8230016	re-visit test sun/security/pkcs11/Serialize/SerializeProvider.java
JDK-8236907	JTable added to nested panels does not paint last visible row
JDK-8245545	Disable TLS_RSA cipher suites
JDK-8252329	runtime/LoadClass/TestResize.java timed out
JDK-8257810	Only First page are printed in JTable.scrollRectToVisible
JDK-8265429	Improve GCM encryption
JDK-8270083	-Wnonnull errors happen with GCC 11.1.1
JDK-8277424	javax/net/ssl/TLSCommon/TLSTest.java fails with connection refused
JDK-8281440	AWT: Conversion from string literal loses const qualifier
JDK-8281523	Accessibility: Conversion from string literal loses const qualifier
JDK-8281525	Enable Zc:strictStrings flag in Visual Studio build

Issue ID	Summary
JDK-8281682	Redundant .ico files in Windows app-image cause unnecessary bloat
JDK-8282047	Enhance StringDecode/Encode microbenchmarks
JDK-8283544	HttpClient GET method adds Content-Length: 0 header
JDK-8285915	failure_handler: gather the contents of /etc/hosts file
JDK-8286159	Memory leak in getAllConfigs of awt_GraphicsEnv.c:585
JDK-8286447	[Linux] AWT should start in Headless mode if headful AWT library not installed
JDK-8287401	jpackage tests failing on Windows due to powershell issue
JDK-8288109	HttpExchangeImpl.setAttribute does not allow null value after JDK-8266897
JDK-8288180	C2: VectorPhase must ensure that SafePointNode memory input is a MergeMemNode
JDK-8290557	tools/jpackage/share/AddLauncherTest.java#id 1 failed with "ERROR: Failed: Check icon file"
JDK-8292043	Incorrect decoding near EOF for stateful decoders like UTF-16

Issue ID	Summary
JDK-8292214	Memory leak in getAllConfigs of awt_GraphicsEnv.c:386
JDK-8294314	Minimize disabled warnings in hotspot
JDK-8294591	Fix cast-function-type warning in TemplateTable
JDK-8294594	Fix cast-function-type warnings in signal handling code
JDK-8294680	Refactor scaled border rendering
JDK-8295301	Problem list TrayIcon tests that fail on Ubuntu 22.04
JDK-8295991	java/net/httpclient/CancelRequestTest.java fails intermittently
JDK-8296489	tools/jpackage/windows/WinL10nTest.java fails with timeout
JDK-8297302	gtest/AsyncLogGtest.java fails AsyncLogTest.stdoutOutput_vm
JDK-8297531	sun/security/krb5/MicroTime.java fails with "Exception: What? only 100 musec precision?"
JDK-8297936	Use reachabilityFence to manage liveness in ClassUnload tests
JDK-8299278	tools/jpackage/share/AddLauncherTest.java#id 1 failed AddLauncherTest.bug8230933

Issue ID	Summary
JDK-8299325	java/net/httpclient/CancelRequestTest.java fails "test CancelRequestTest.testGetSendAsync("https://localhost:46509/https1/x/same/interrupt", true, true)"
JDK-8299553	Make ScaledEtchedBorderTest.java comprehensive
JDK-8302838	jabswitch main() should avoid calling exit explicitly
JDK-8303089	[jittester] Add time limit to IRTree generation
JDK-8303959	tools/jpackage/share/RuntimePackageTest.java fails with java.lang.AssertionError missing files
JDK-8304163	Move jdk.internal.module.ModuleInfoWriter to the test library
JDK-8304811	vmTestbase/vm/mlvm/indy/func/jvmti/stepBreakPopReturn/INDIFY_Test.java fails with JVMTI_ERROR_TYPE_MISMATCH
JDK-8305186	Reference.waitForReferenceProcessing should be more accessible to tests
JDK-8305567	serviceability/tmtools/jstat/GcTest01.java failed utils.JstatGcResults.assertConsistency
JDK-8305778	javax/swing/JTableHeader/6884066/bug6884066.java: Unexpected header's value; index = 4 value = E

Issue ID	Summary
JDK-8308633	Increase precision of timestamps in g1 log
JDK-8308780	Fix the Java Integer types on Windows
JDK-8310049	Refactor Charset tests to use JUnit
JDK-8310915	Typo in aarch64.ad: "envcodings"
JDK-8311588	C2: RepeatCompilation compiler directive does not choose stress seed randomly
JDK-8313355	javax/management/remote/mandatory/notif/ListenerScaleTest.java failed with "Exception: Failed: ratio=792.2791601423487"
JDK-8313770	jdk/internal/platform/docker/TestSystemMetrics.java fails on Ubuntu
JDK-8314136	Test java/net/httpclient/CancelRequestTest.java failed: WARNING: tracker for HttpClientImpl(42) has outstanding operations
JDK-8314319	LogCompilation doesn't reset lateInlining when it encounters a failure.
JDK-8317264	Pattern.Bound has `static` fields that should be `static final`.
JDK-8317970	Bump target macosx-x64 version to 11.00.00
JDK-8318467	[jmh] tests concurrent.Queues and concurrent.ProducerConsumer hang with 101+ threads

Issue ID	Summary
JDK-8318613	ChoiceFormat patterns are not well tested
JDK-8318730	MonitorVmStartTerminate.java still times out after JDK-8209595
JDK-8320836	jtreg gtest runs should limit heap size
JDK-8322135	Printing JTable in Windows L&F throws InternalError: HTHEME is null
JDK-8322140	javax/swing/JTable/JTableScrollPrintTest.java does not print the rows and columns of the table in Nimbus and Aqua LookAndFeel
JDK-8324065	Daylight saving information for `Africa/Casablanca` are incorrect
JDK-8324491	Keyboard layout didn't keep its state if it was changed when dialog was active
JDK-8324861	Exceptions::wrap_dynamic_exception() doesn't have ResourceMark
JDK-8325647	[IR framework] Only prints stdout if exitCode is 134
JDK-8325766	Extend CertificateBuilder to create trust and end entity certificates programmatically
JDK-8327071	[Testbug] g-tests for cgroup leave files in /tmp on linux
JDK-8327180	Failed: java/io/ObjectStreamClass/ObjectStreamClass Caching.java#G1

Issue ID	Summary
JDK-8327434	Test java/util/PluggableLocale/TimeZoneNameProviderTest.java timed out
JDK-8327748	Convert javax/swing/JFileChooser/6798062/bug6798062.java applet test to main
JDK-8327757	Convert javax/swing/JSlider/6524424/bug6524424.java applet to main
JDK-8327856	Convert applet test SpanishDiacriticsTest.java to a main program
JDK-8327980	Convert javax/swing/JToggleButton/4128979/bug4128979.java applet test to main
JDK-8328124	Convert java/awt/Frame/ShownOnPack/ShownOnPack.html applet test to main
JDK-8328247	Remove redundant dir for tests converted from applet to main
JDK-8328299	Convert DnDFileGroupDescriptor.html applet test to main
JDK-8328377	Convert java/awt/Cursor/MultiResolutionCursorTest test to main
JDK-8328562	Convert java/awt/InputMethods/DiacriticsTest/DiacriticsTest.java applet test to main

Issue ID	Summary
JDK-8331231	containers/docker/TestContainerInfo.java fails
JDK-8331977	Crash: SIGSEGV in dlerror()
JDK-8332271	Reading data from the clipboard from multiple threads crashes the JVM
JDK-8333526	Restructure java/nio/channels/DatagramChannel/StressNativeSignal.java to a fail fast exception handling policy
JDK-8333569	jpackage tests must run app launchers with retries on Linux only
JDK-8333783	java/nio/channels/FileChannel/directio/DirectIO Test.java is unstable with AV software
JDK-8334771	[TESTBUG] Run TestDockerMemoryMetrics.java with -Xcomp fails exitValue = 137
JDK-8335986	Test javax/swing/JCheckBox/4449413/bug4449413.java fails on Windows 11 x64 because RBMenuItem's and CBMenuItem's checkmark on the left side are not visible
JDK-8337723	Remove redundant tests from com/sun/security/sasl/gsskerb
JDK-8338428	Add logging of final VM flags while setting properties

Issue ID	Summary
JDK-8338740	java/net/httpclient/HttpsTunnelAuthTest.java fails with java.io.IOException: HTTP/1.1 header parser received no bytes
JDK-8339280	jarsigner -verify performs cross-checking between CEN and LOC
JDK-8339366	[jittester] Make it possible to generate tests without execution
JDK-8339386	Assertion on AIX - original PC must be in the main code section of the compiled method
JDK-8339962	Open source AWT TextField tests - Set1
JDK-8340015	Open source several AWT focus tests - series 7
JDK-8340321	Disable SHA-1 in TLS/DTLS 1.2 handshake signatures
JDK-8340354	Open source AWT desktop properties and print related tests
JDK-8341097	GHA: Demote Mac x86 jobs to build only
JDK-8341131	Some jdk/jfr/event/compiler tests shouldn't be executed with Xcomp
JDK-8341138	Rename jtreg property docker.support as container.support
JDK-8341496	Improve JMX connections
JDK-8341861	GHA: Use only retention mechanism to remove bundles

Issue ID	Summary
JDK-8342782	AWTEventMulticaster throws StackOverflowError using AquaButtonUI
JDK-8343314	Move common properties from jpackage jtreg test declarations to TEST.properties file
JDK-8343340	Swapping checking do not work for MetricsMemoryTester failcount
JDK-8343875	Minor improvements of jpackage test library
JDK-8344275	tools/jpackage/windows/Win8301247Test.java fails on localized Windows platform
JDK-8344326	Move jpackage tests from "jdk.jpackage.tests" package to the default package
JDK-8345213	JVM Prefers /etc/timezone Over /etc/localtime on Debian 12
JDK-8346234	javax/swing/text/DefaultEditorKit/4278839/bug4278839.java still fails in CI
JDK-8346753	Test javax/swing/JMenuItem/RightLeftOrientation/RightLeftOrientation.java fails on Windows Server 2025 x64 because the icons of RBMenuItem and CBMenuItem are not visible in Nimbus LookAndFeel
JDK-8346839	[TESTBUG] "java/awt/textfield/setechochartest4/setechochartest4.java" failed because the test frame disappears on clicking "Click Several Times" button

Issue ID	Summary
JDK-8346875	Test jdk/jdk/jfr/event/os/TestCPULoad.java fails on macOS
JDK-8346929	runtime/ClassUnload/DictionaryDependsTest.java fails with "Test failed: should be unloaded"
JDK-8347129	cpuset cgroups controller is required for no good reason
JDK-8347277	java/awt/Focus/ComponentLostFocusTest.java fails intermittently
JDK-8347300	Don't exclude the "PATH" var from the environment when running app launchers in jpackage tests
JDK-8347377	Add validation checks for ICC_Profile header fields
JDK-8347826	Introspector shows wrong method list after 8071693
JDK-8347841	Test fixes that use deprecated time zone IDs
JDK-8349188	LineBorder does not scale correctly
JDK-8349534	Refactor jdk/sun/security/krb5/runNameEquals.sh to java test
JDK-8350102	Decouple jpackage test-lib Executor.Result and Executor classes

Issue ID	Summary
JDK-8350106	[PPC] Avoid ticks_unknown_not_Java AsyncGetCallTrace() if JavaFrameAnchor::_last_Java_pc not set
JDK-8350813	Rendering of bulky sound bank from MIDI sequence can cause OutOfMemoryError
JDK-8351567	Jar Manifest test ValueUtf8Coding produces misleading diagnostic output
JDK-8352678	Opensource few JMenuItem tests
JDK-8352682	Opensource JComponent tests
JDK-8352686	Opensource JInternalFrame tests - series3
JDK-8352687	Opensource few JInternalFrame and JTextField tests
JDK-8352793	Open source several AWT TextComponent tests - Batch 1
JDK-8352800	[PPC] OpenJDK fails to build on PPC after JDK-8350106
JDK-8352865	Open source several AWT TextComponent tests - Batch 2
JDK-8352905	Open some JComboBox bugs 1
JDK-8352966	Opensource Several Font related tests - Batch 2
JDK-8352997	Open source several Swing JTabbedPane tests

Issue ID	Summary
JDK-8353007	Open some JComboBox bugs 2
JDK-8353011	Open source Swing JButton tests - Set 1
JDK-8353201	Open source Swing Tooltip tests - Set 2
JDK-8353299	VerifyJarEntryName.java test fails
JDK-8353309	Open source several Swing text tests
JDK-8353319	Open source Swing tests - Set 3
JDK-8353445	Open source several AWT Menu tests - Batch 1
JDK-8353470	Clean up and open source couple AWT Graphics related tests (Part 2)
JDK-8353483	Open source some JProgressBar tests
JDK-8353486	Open source Swing Tests - Set 4
JDK-8353585	Provide ChoiceFormat#parse(String, ParsePosition) tests
JDK-8353586	Open source several toolkit tests
JDK-8353589	Open source a few Swing menu-related tests
JDK-8353592	Open source several scrollbar tests
JDK-8353661	Open source several swing tests batch5
JDK-8353832	Opensource FontClass, Selection and Icon tests

Issue ID	Summary
JDK-8353950	Clipboard interaction on Windows is unstable
JDK-8353957	Open source several AWT ScrollPane tests - Batch 1
JDK-8353958	Open source several AWT ScrollPane tests - Batch 2
JDK-8354095	Open some JTable bugs 5
JDK-8354106	Clean up and open source KeyEvent related tests (Part 2)
JDK-8354214	Open source Swing tests Batch 2
JDK-8354233	Open some JTable bugs 6
JDK-8354235	Test javax/net/ssl/SSLSocket/Tls13PacketSize.java failed with java.net.SocketException: An established connection was aborted by the software in your host machine
JDK-8354248	Open source several AWT GridBagLayout and List tests
JDK-8354340	Open source Swing Tests - Set 6
JDK-8354341	Open some JTable bugs 7
JDK-8354365	Opensource few Modal and Full Screen related tests
JDK-8354418	Open source Swing tests Batch 4

Issue ID	Summary
JDK-8354451	Open source some more Swing popup menu tests
JDK-8354465	Open some JTable bugs 8
JDK-8354466	Open some misc Swing bugs 9
JDK-8354472	Clean up and open source KeyEvent related tests (Part 3)
JDK-8354493	Opensource Several MultiScreen and Insets related tests
JDK-8354495	Open source several AWT DataTransfer tests
JDK-8354532	Open source JFileChooser Tests - Set 7
JDK-8354552	Open source a few Swing tests
JDK-8354553	Open source several clipboard tests batch0
JDK-8354561	Open source several swing tests batch0
JDK-8354646	java.awt.TextField allows to identify the spaces in a password when double clicked at the starting and end of the text
JDK-8354653	Clean up and open source KeyEvent related tests (Part 4)
JDK-8354701	Open source few JToolTip tests
JDK-8354873	javax/swing/plaf/metal/MetalIconFactory/bug4952462.java failing on CI

Issue ID	Summary
JDK-8354928	Clean up and open source some miscellaneous AWT tests
JDK-8355077	Compiler error at splashscreen_gif.c due to unterminated string initialization
JDK-8355333	Some Problem list entries point to non-existent / wrong files
JDK-8355387	[jittester] Disable downcasts by default
JDK-8355444	[java.io] Use @requires tag instead of exiting based on "os.name" property value
JDK-8355478	DoubleActionESC.java fails intermittently
JDK-8355558	SJIS.java test is always ignored
JDK-8355561	[macos] Build failure with Xcode 16.3
JDK-8356040	java/util/PluggableLocale/LocaleNameProvider Test.java timed out
JDK-8356145	ListEnterExitTest.java fails on macos
JDK-8356187	TestJcmd.java may incorrectly parse podman version
JDK-8356752	Log mouse enter and exit events for debugging
JDK-8356897	Update NSS library to 3.111
JDK-8357305	Compilation failure in javax/swing/JMenuItem/bug6197830.java

Issue ID	Summary
JDK-8357561	BootstrapLoggerTest does not work on Ubuntu 24 with LANG de_DE.UTF-8
JDK-8357675	Amend headless message
JDK-8357799	Improve instructions for JFileChooser/HTMLFileName.java
JDK-8357822	C2: Multiple string optimization tests are no longer testing string concatenation optimizations
JDK-8358048	java/net/httpclient/HttpsTunnelAuthTest.java incorrectly calls Thread::stop
JDK-8358334	C2/Shenandoah: incorrect execution with Unsafe
JDK-8358532	JFileChooser in GTK L&F still displays HTML filename
JDK-8358701	Remove misleading javax.management.remote API doc wording about JMX spec, and historic link to JMXMP
JDK-8358748	Large page size initialization fails with assert "page_size must be a power of 2"
JDK-8358764	(sc) SocketChannel.close when thread blocked in read causes connection to be reset (win)
JDK-8358813	JPasswordField identifies spaces in password via delete shortcuts

Issue ID	Summary
JDK-8359061	Update and ProblemList manual test java/awt/Cursor/CursorDragTest/ListDragCurs or.java
JDK-8359167	Remove unused test/hotspot/jtreg/vmTestbase/nsk/share/jpda/ BindServer.java
JDK-8359182	Use @requires instead of SkippedException for MaxPath.java
JDK-8359207	Remove runtime/signal/TestSigusr2.java since it is always skipped
JDK-8359402	Test CloseDescriptors.java should throw SkippedException when there is no lsof/sctp
JDK-8359418	Test "javax/swing/text/GlyphView/bug4188841.java " failed because the phrase of text pane does not match the instructions
JDK-8359428	Test 'javax/swing/JTabbedPane/bug4499556.java' failed because after selecting one of L&F items, the test case automatically failed when clicking on L&F Menu button again
JDK-8359449	[TEST] open/test/jdk/java/io/File/SymLinks.java Refactor extract method for Windows specific test
JDK-8359477	com/sun/net/httpserver/Test12.java appears to have a temp file race
JDK-8359501	Enhance Handling of URIs

Issue ID	Summary
JDK-8359687	Use PassFailJFrame for java/awt/print/Dialog/DialogType.java
JDK-8360022	ClassRefDupInConstantPoolTest.java fails when running in repeat
JDK-8360178	TestArguments.atojulong gtest has incorrect format string
JDK-8360288	Shenandoah crash at size_given_klass in op_degenerated
JDK-8360408	[TEST] Use @requires tag instead of exiting based on "os.name" property value for sun/net/www/protocol/file/FileURLTest.java
JDK-8360411	[TEST] open/test/jdk/java/io/File/MaxPathLength.java Refactor extract method to encapsulate Windows specific test logic
JDK-8361253	CommandLineOptionTest library should report observed values on failure
JDK-8361298	SwingUtilities/bug4967768.java fails where character P is not underline
JDK-8361314	Test serviceability/jvmti/VMEvent/MyPackage/VMEventRecursionTest.java FATAL ERROR in native method: Failed during the GetClassSignature call
JDK-8361423	Add IPSupport::printPlatformSupport to java/net/NetworkInterface/IPv4Only.java

Issue ID	Summary
JDK-8361447	[REDO] Checked version of JNI Release<type>ArrayElements needs to filter out known wrapped arrays
JDK-8361748	Enforce limits on the size of an XBM image
JDK-8361751	Test sun/tools/jcmd/TestJcmdSanity.java timed out on Windows
JDK-8361754	New test runtime/jni/checked/TestCharArrayReleasing.java can cause disk full errors
JDK-8361871	[GCC static analyzer] complains about use of uninitialized value ckpObject in p11_util.c
JDK-8362204	test/jdk/sun/awt/font/TestDevTransform.java fails on Ubuntu 24.04
JDK-8362207	Add more test cases for possible double-rounding in fma
JDK-8362308	Enhance Bitmap operations
JDK-8362532	Test gc/g1/plab/* duplicate command-line options
JDK-8362533	Tests sun/management/jmxremote/bootstrap/* duplicate VM flags
JDK-8362602	Add test.timeout.factor to CompileFactory to avoid test timeouts
JDK-8362632	Improve HttpServer Request handling

Issue ID	Summary
JDK-8362855	Test java/net/ipv6tests/TcpTest.java should report SkippedException when there no ia4addr or ia6addr
JDK-8363676	[GCC static analyzer] missing return value check of malloc in OGLContext_SetTransform
JDK-8363720	Follow up to JDK-8360411 with post review comments
JDK-8363966	GHA: Switch cross-compiling sysroots to Debian trixie
JDK-8364214	Enhance polygon data support
JDK-8364235	Fix for JDK-8361447 breaks the alignment requirements for GuardedMemory
JDK-8364263	HttpClient: Improve encapsulation of ProxyServer
JDK-8364484	misc tests fail with Received fatal alert: handshake_failure
JDK-8364556	JFR: Disable SymbolTableStatistics and StringTableStatistics in default.jfc
JDK-8364597	Replace THL A29 Limited with Tencent
JDK-8364660	ClassVerifier::ends_in_athrow() should be removed
JDK-8364993	JFR: Disable jdk.ModuleExport in default.jfc

Issue ID	Summary
JDK-8364996	java/awt/font/FontNames/LocaleFamilyNames.java times out on Windows
JDK-8365058	Enhance CopyOnWriteArraySet
JDK-8365086	CookieStore.getURIs() and get(URI) should return an immutable List
JDK-8365098	make/RunTests.gmk generates a wrong path to test artifacts on Alpine
JDK-8365168	Use 64-bit aligned addresses for CK_ULONG access in PKCS11 native key code
JDK-8365271	Improve Swing supports
JDK-8365280	Enhance JOptionPane
JDK-8365425	[macos26] javax/swing/JInternalFrame/8160248/JInternalFrameDraggingTest.java fails on macOS 26
JDK-8365615	Improve JMenuBar/RightLeftOrientation.java
JDK-8365660	test/jdk/sun/security/pkcs11/KeyAgreement/ tests skipped without SkipExceprion
JDK-8365790	Shutdown hook for application image does not work on Windows
JDK-8365834	Mark java/net/httpclient/ManyRequests.java as intermittent
JDK-8365913	Support latest MSC_VER in abstract_vm_version.cpp

Issue ID	Summary
JDK-8365919	Replace currentTimeMillis with nanoTime in Stresser.java
JDK-8366092	[GCC static analyzer] UnixOperatingSystem.c warning: use of uninitialized value 'systemTicks'
JDK-8366159	SkippedException is treated as a pass for pkcs11/KeyStore, pkcs11/SecretKeyFactory and pkcs11/SecureRandom
JDK-8366229	runtime/Thread/TooSmallStackSize.java runs with all collectors
JDK-8366233	Bump update version for OpenJDK: jdk-17.0.18
JDK-8366342	Key generator and key pair generator tests skipping, but showing as passed
JDK-8366359	Test should throw SkippedException when there is no lpstat
JDK-8366764	Deproblemlist java/awt/ScrollPane/ScrollPositionTest.java
JDK-8366844	Update and automate MouseDraggedOriginatedByScrollBarTest.java
JDK-8367017	Remove legacy checks from WrappedToolkitTest and convert from bash
JDK-8367133	DTLS: fragmentation of Finished message results in handshake failure

Issue ID	Summary
JDK-8367237	Thread-Safety Usage Warning for java.text.Collator Classes
JDK-8367348	Enhance PassFailJFrame to support links in HTML
JDK-8367782	VerifyJarEntryName.java: Fix modifyJarEntryName to operate on bytes and re-introduce verifySignatureEntryName
JDK-8367869	Test java/io/FileDescriptor/Sync.java timed out
JDK-8368032	Enhance Certificate Checking
JDK-8368192	Test java/lang/ProcessBuilder/Basic.java#id0 fails with Exception: Stack trace
JDK-8368668	Several vmTestbase/vm/gc/compact tests timed out on large memory machine
JDK-8368982	Test sun/security/tools/jarsigner/EC.java completed and timed out
JDK-8369032	Add test to ensure serialized ICC_Profile stores only necessary optional data
JDK-8369078	Fix faulty test conversion in IllegalCharsetName.java
JDK-8369184	SimpleTimeZone equals() Returns True for Unequal Instances with Different hashCode Values
JDK-8369226	GHA: Switch to MacOS 15

Issue ID	Summary
JDK-8369450	[Ubuntu 25.10] openjdk fails to build due to rust-coreutils date
JDK-8369506	Bytecode rewriting causes Java heap corruption on AArch64
JDK-8369946	Bytecode rewriting causes Java heap corruption on PPC
JDK-8369992	JFR: Disable Placeholder-, LoaderConstraints- and ProtectionDomainCacheTableStatistics in default.jfc
JDK-8370465	Right to Left Orientation Issues with MenuItem Component
JDK-8372439	[17u] build-test-lib is broken
JDK-8372534	Update Libpng to 1.6.51
JDK-8374209	[17u,21u] Backout JDK-8361748 due to JDK-8373727

JFX issues

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

Issue ID	Summary
JDK-8339335	set number of parallel jobs when building webkit

Issue ID	Summary
JDK-8339505	Enable parallel compilation of native code on macOS
JDK-8361648	Update Glib to 2.84.3
JDK-8361719	Enhance Handling of URI
JDK-8361893	Update libxml2 to 2.14.5
JDK-8362535	Update libxslt support
JDK-8366217	Update GStreamer to 1.26.5
JDK-8367578	Additional WebKit 622.1 fixes from WebKitGTK 2.48.7
JDK-8368600	Missing "/DELAYLOAD:shlwapi.dll" in win.gradle
JDK-8368691	Update libxml2 to 2.14.6
JDK-8368704	Better glyph handling
JDK-8370235	WebKit build fails on Windows 32-bit and Linux 32-bit after JDK-8367578
JDK-8370632	Additional libxslt 1.1.43 fixes
JDK-8371015	Change JavaFX release version to 17.0.18 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
Glib	GNU Glib	2.84.3	javafx.media	JDK-8361648
GStreamer	GStreamer	1.26.5	javafx.media	JDK-8366217
Libpng	Libpng	1.6.51	java.awt	JDK-8372534

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 17.0.18+10

Release Notes