

Liberica JDK 17.0.19+11

Release Notes



Liberica JDK
17.0.19
April 21, 2026

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Contents

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

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

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

Builds of Liberica JDK With CRaC	8
----------------------------------	---

IANA TZ Data version	8
----------------------	---

Briefly	8
---------	---

Changes to past timestamps	8
----------------------------	---

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

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

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

3. Known Issues	10
-----------------	----

4. Fixed CVEs	11
---------------	----

5. Resolved Issues	12
--------------------	----

JDK issues 12

JFX issues 21

6. Updates to Third Party Libraries 23

7. Upgrading to the New Version 24

1. Version information

This document provides information about Liberica JDK 17.0.19 release. The full version string for this update release is 17.0.19+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-7036144	<p>Summary: GZipInputStream readTrailer uses faulty available() test for end-of-stream</p> <p>Description: The GZipInputStream read methods have been modified to remove the usage of <code>InputStream::available()</code> when determining if the stream contains a concatenated GZIP stream. These methods will now read any additional data in the underlying <code>InputStream</code> and check for the presence of a GZIP stream header.</p>
JDK-8244336	<p>Summary: Restrict algorithms at JCE layer</p> <p>Description: A new security property named <code>jdk.crypto.disabledAlgorithms</code> has been introduced to disable algorithms for JCE/JCA cryptographic services. Initially, this property only supports the <i>Cipher</i>, <i>KeyStore</i>, <i>MessageDigest</i>, and <i>Signature</i> services. This property is defined in the <code>java.security</code> file and initially no algorithms are disabled by default. However, this may change in the future. This security property can be overridden by a system property of the same name if applications need to re-enable algorithms. See Disabled and Restricted Cryptographic Algorithms for more information.</p>

Issue ID

JDK-8328608

Summary: Multiple NewSessionTicket support for TLS

Description: A new system property, `jdk.tls.server.newSessionTicketCount`, sets the number of TLSv1.3 resumption tickets sent by a JSSE server per session. It can be set on the command line with `-Djdk.tls.server.newSessionTicketCount=`, where `n` ranges from 0 to 10. The default is 1. For more details, see [Customizing JSSE](#).

JDK-8341779

Summary: [REDO BACKPORT] type annotations are not visible to javac plugins across compilation boundaries (JDK-8225377)

Description: The implementation of `TypeMirror` now provides access to annotations for types loaded from bytecode. Previously type annotations were not associated with types loaded from bytecode. Annotation processors can access type annotations for elements using `AnnotationMirror#getAnnotationMirrors`, and the annotations will be included in the output of `AnnotationMirror#toString`. Any programs that relied on annotations being omitted for elements loaded from the classpath should be updated to handle type annotations.

JDK-8369282

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

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

Issue ID

JDK-8373476

Summary: Update Timezone Data to 2025c

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

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

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

Briefly

Several code changes for compatibility with FreeBSD.

Changes to past timestamps

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

Changes to build procedure

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

Changes to code

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

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

Changes to commentary

The `leapseconds` file contains commentary about the IERS and NIST last-modified and expiration timestamps for leap second data.

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

3. Known Issues

This release does not contain any known issues.

4. Fixed CVEs

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

CVE ID	CVSS score	Component	Module	Attack Vector	Complexity	Privileges	User Interaction	Scope	Confidentiality	Integrity	Availability
CVE-2026-20652	7.5	javafx	web	network	low	none	none	unchanged	none	none	high
CVE-2026-22007	2.9	security-libs	java.security	local	high	none	none	unchanged	low	none	none
CVE-2026-22013	5.3	security-libs	org.ietf.jgss	network	high	none	required	unchanged	high	none	none
CVE-2026-22016	7.5	xml	jaxp	network	low	none	none	unchanged	high	none	none
CVE-2026-22018	3.7	core-libs	java.util	network	high	none	none	unchanged	none	none	low
CVE-2026-22021	5.3	security-libs	java.security	network	low	none	none	unchanged	none	none	low
CVE-2026-23865	5.3	client-libs	2d	local	low	none	required	unchanged	low	low	low
CVE-2026-34268	2.9	security-libs	java.security	local	high	none	none	unchanged	low	none	none
CVE-2026-34282	7.5	core-libs	java.net	network	low	none	none	unchanged	none	none	high

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-6899304	java.awt.Toolkit.getScreenInsets(GraphicsConfiguration) returns incorrect values
JDK-7036144	GZIPInputStream readTrailer uses faulty available() test for end-of-stream
JDK-8030957	AIX: Implement OperatingSystemMXBean.getSystemCpuLoad() and .getProcessCpuLoad() on AIX
JDK-8200566	DistributionPointFetcher fails to fetch CRLs if the DistributionPoints field contains more than one DistributionPoint and the first one fails
JDK-8244336	Restrict algorithms at JCE layer
JDK-8244400	MenuItem may cache the size and did not update it when the screen DPI is changed
JDK-8256289	java/awt/Focus/AppletInitialFocusTest/AppletInitialFocusTest1.java failed with "RuntimeException: Wrong focus owner: java.awt.Button[button1,41,36,56x23,label=Button1]"

Issue ID	Summary
JDK-8271396	Spelling errors
JDK-8275405	Linking error for classes with lambda template parameters and virtual functions
JDK-8282484	G1: Predicted old time in log always zero
JDK-8283784	java_lang_String::as_platform_dependent_str stores to oop in native state
JDK-8288556	VM crashes if it gets sent SIGUSR2 from outside
JDK-8301875	java.util.TimeZone.getSystemTimeZoneID uses C library default file mode
JDK-8303475	potential null pointer dereference in filemap.cpp
JDK-8309667	TLS handshake fails because of ConcurrentModificationException in PKCS12KeyStore.engineGetEntry
JDK-8311644	Server should not send bad_certificate alert when the client does not send any certificates
JDK-8314555	Build with mawk fails on Windows
JDK-8317633	Modernize text.testlib.HexDumpReader
JDK-8326705	Test CertMsgCheck.java fails to find alert certificate_required
JDK-8328608	Multiple NewSessionTicket support for TLS

Issue ID	Summary
JDK-8329258	TailCall should not use frame pointer register for jump target
JDK-8330016	Stress seed should be initialized for runtime stub compilation
JDK-8331431	Update to use jtreg 7.4
JDK-8333386	TestAbortOnVMOperationTimeout test fails for client VM
JDK-8334670	SSLSocketOutputRecord buffer miscalculation
JDK-8336695	Update Commons BCEL to Version 6.10.0
JDK-8337102	JITTester: Fix breaks in static initialization blocks
JDK-8337681	PNGImageWriter uses much more memory than necessary
JDK-8337795	Type annotation attached to incorrect type during class reading
JDK-8337998	CompletionFailure in getEnclosingType attaching type annotations
JDK-8339271	giflib attribution correction
JDK-8339791	Refactor MiscUndecorated/ActiveAWTWindowTest.java
JDK-8340024	In ClassReader, extract a constant for the superclass supertype_index

Issue ID	Summary
JDK-8341779	[REDO BACKPORT] type annotations are not visible to javac plugins across compilation boundaries (JDK-8225377)
JDK-8342175	MemoryEaterMT fails intermittently with ExceptionInInitializerError
JDK-8343622	AesDkCrypto.stringToKey should not return null
JDK-8345578	New test in JDK-8343622 fails with a promoted build
JDK-8346048	test/lib/containers/docker/DockerRunOptions.java uses addJavaOpts() from ctor
JDK-8346962	Test CRLReadTimeout.java fails with -Xcomp on a fastdebug build
JDK-8347475	GTK: javax/swing/JColorChooser/Test8152419.java there are no swatches or RGB tab in JColorChooser
JDK-8348014	Enhance certificate processing
JDK-8349351	Combine Screen Inset Tests into a Single File
JDK-8351359	OperatingSystemMXBean: values from getCpuLoad and getProcessCpuLoad are stale after 24.8 days (Windows)
JDK-8351639	Improve debuggability of test/langtools/jdk/jshell/JdiHangingListenExecutionControlTest.java test

Issue ID	Summary
JDK-8353755	Add a helper method to Util - findComponent()
JDK-8354219	Automate javax/swing/JComboBox/ComboPopupBug.java
JDK-8354893	[REDO BACKPORT] javac crashes while adding type annotations to the return type of a constructor (JDK-8320001)
JDK-8355278	Improve debuggability of com/sun/jndi/ldap/LdapPoolTimeoutTest.java test
JDK-8355632	WhiteBox.waitForReferenceProcessing() fails assert for return type
JDK-8357277	Update OpenSSL library for interop tests
JDK-8360406	[21u] Disable logic for attaching type annotations to class files until 8359336 is fixed
JDK-8360539	DTLS handshakes fails due to improper cookie validation logic
JDK-8361067	Test ExtraButtonDrag.java requires frame.dispose in finally block
JDK-8361117	SIGSEGV in LShiftLNode::Ideal due to unexpected dead node
JDK-8361530	Test javax/swing/GraphicsConfigNotifier/StalePreferredSize.java timed out

Issue ID	Summary
JDK-8363950	Incorrect jtreg header in TestLayoutVsICU.java
JDK-8364373	Transform Affine transformations
JDK-8364465	Enhance behavior of some intrinsics
JDK-8366694	Test JdbStopInNotificationThreadTest.java timed out after 60 second
JDK-8366817	test/jdk/javax/net/ssl/TLSCommon/interop/JdkProcServer.java and JdkProcClient.java should not delete logs
JDK-8366850	Test com/sun/jdi/JdbStopInNotificationThreadTest.java failed
JDK-8366866	SslRMIClientSocketFactory#createSocket lacking priviledges (securitymanger)
JDK-8366938	Test runtime/handshake/HandshakeTimeoutTest.java crashed
JDK-8367135	Test compiler/loopstripmining/CheckLoopStripMininig.java needs internal timeouts adjusted
JDK-8367904	Test java/net/InetAddress/ptr/Lookup.java should throw SkippedException
JDK-8368787	Error reporting: hs_err files should show instructions when referencing code in nmethods

Issue ID	Summary
JDK-8368882	NPE during text drawing on machine with JP locale
JDK-8368960	Adjust java UL logging in the build
JDK-8369282	Distrust TLS server certificates anchored by Chunghwa ePKI Root CA
JDK-8369563	Gtest dll_address_to_function_and_library_name has issues with stripped pdb files
JDK-8369575	Enhance crypto algorithm support
JDK-8370529	Enhance Path Factories Redux
JDK-8370579	PPC: fix inswri immediate argument order
JDK-8370615	Improve Kerberos credentialing
JDK-8370986	Enhance Zip file reading
JDK-8370995	Enhance ZipFile usage
JDK-8371103	vmTestbase/nsk/jvmti/scenarios/events/EM02/em02t006/TestDescription.java failing
JDK-8371559	Intermittent timeouts in test javax/net/ssl/Stapling/HttpsUrlConnClient.java
JDK-8371830	Enhance certificate chain validation
JDK-8371935	Enhance key generation

Issue ID	Summary
JDK-8371978	tools/jar/ReproducibleJar.java fails on XFS
JDK-8372048	Performance improvement on Linux remote desktop
JDK-8372465	Bump update version for OpenJDK: jdk-17.0.19
JDK-8372756	Mouse additional buttons and horizontal scrolling are broken on XWayland GNOME >= 47 after JDK-8351907
JDK-8372857	Improve debuggability of java/rmi/server/RemoteServer/AddrInUse.java test
JDK-8372977	Unnecessary gthread-2.0 loading
JDK-8373290	Update FreeType to 2.14.1
JDK-8373476	(tz) Update Timezone Data to 2025c
JDK-8373727	New XBM images parser regression: only the first line of the bitmap array is parsed
JDK-8374056	RISC-V: Fix argument passing for the RiscvFlushlcache::flush
JDK-8374209	[17u,21u] Backout JDK-8361748 due to JDK-8373727
JDK-8374557	Enhance TLS connection handling
JDK-8374642	EscapeHash macro fails with GNU make 4.3 and 4.4

Issue ID	Summary
JDK-8375057	Update HarfBuzz to 12.3.2
JDK-8375063	Update Libpng to 1.6.54
JDK-8375530	PPC64: incorrect quick verify_method_data_pointer check causes poor performance in debug build
JDK-8375549	ConcurrentModificationException if jdk.crypto.disabledAlgorithms has multiple entries with known oid
JDK-8376251	[macos] java/awt/Frame/l18NTitle.java fails on MacOS (JDK-8355884)
JDK-8376270	[21u, 17u] Redo JDK-8361748: Enforce limits on the size of an XBM image
JDK-8377509	Add licenses for gcc 14.2.0
JDK-8377526	Update Libpng to 1.6.55
JDK-8377905	gcc.md included with every build
JDK-8378218	MSYS2 reports cygwin triplet causing bash configure failure
JDK-8378631	Update Zlib Data Compression Library to Version 1.3.2
JDK-8378823	AIX build fails after zlib updated by JDK-8378631
JDK-8379035	(tz) Update Timezone Data to 2026a

Issue ID	Summary
JDK-8379158	Update FreeType to 2.14.2
JDK-8379256	Update GIFlib to 6.1.1
JDK-8380078	Update GIFlib to 6.1.2
JDK-8380959	Update Libpng to 1.6.56
JDK-8382047	Update Libpng to 1.6.57

JFX issues

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

Issue ID	Summary
JDK-8278021	Fix warnings in macOS glass native code and treat warnings as errors
JDK-8338886	JavaFX debug builds fail on macOS
JDK-8339335	set number of parallel jobs when building webkit
JDK-8339505	Enable parallel compilation of native code on macOS
JDK-8347937	Canvas pattern test fails and crashes on WebKit 620.1

Issue ID	Summary
JDK-8367578	Additional WebKit 622.1 fixes from WebKitGTK 2.48.7
JDK-8368572	Update WebKit to 623.1
JDK-8370235	WebKit build fails on Windows 32-bit and Linux 32-bit after JDK-8367578
JDK-8375975	Change JavaFX release version to 17.0.19 in jfx17u
JDK-8376175	CanvasTest fails with older junit on jfx17u
JDK-8376282	[linux, macos] JavaFX fails to build WebKit in DebugNative
JDK-8377099	Additional WebKit 623.1 fixes from WebKitGTK 2.50.4
JDK-8377930	Additional WebKit 623.1 fixes from WebKitGTK 2.50.5
JDK-8378703	use xcode15 for macos build on jfx17u
JDK-8380557	Additional WebKit 623.1 fixes from WebKitGTK 2.50.6

6. Updates to Third Party Libraries

This is the list of changes in the third party libraries.

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

7. Upgrading to the New Version

To keep your Liberica JDK up-to-date and secure, always upgrade to the newest available version once it is released. To upgrade, install the new version over the previous one. For the installation instructions, see [Liberica JDK Installation Guide](#).



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