Liberica JDK 8u513+5
Release Notes

Liberica JDK
8u513
October 22, 2026

bellsoft

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1. Version information

This document provides information about an unscheduled patch release for vulnerability fixes in Liberica JDK 8u513. The full version string for this update release is 8u513+5. The version number is 8.

Liberica JDK 8 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.

Removed the compromised eMudhra certificates

eMudhra generated the private keys of eight of its intermediate CA certificates incorrectly, so anyone can recover them from the public certificates. Six of the intermediates issue TLS certificates (EM DV, OV and EV TLS CA - G3B and G3C). The other two issue code-signing certificates.

Each intermediate exists twice: signed by an eMudhra emSign root, and cross-signed by Sectigo's `AAA Certificate Services`. In a JDK `cacerts`, the chains end at one of two roots: `emSign ECC Root CA – G3` (through a cross-sign) or `AAA Certificate Services`.

Compromised certificates are removed in this release of Liberica JDK.

IANA TZ Data version

This release of Liberica JDK 8u513 comes with the 2026e version of the in-tree copy of the Time Zone Database. The following are the key features of this version.

Briefly

Manitoba moves to permanent -05 on 2026-10-31.

Changes to future timestamps

Manitoba's 2026-03-08 spring forward was its last foreseeable clock change, as it moved to permanent -05 thereafter. Model this with its traditional abbreviation EST. Although the change to permanent -05 legally takes place on 2026-10-31, temporarily model the change to occur on 2026-11-01 at 02:00 for the same reason as other recent temporary hacks. (Caution: see NOTE FOR 2026b TEMPORARY HACK FOR CLDR AND CANADA below.)

As the change affects both America/Winnipeg and its backward compatibility link, the obsolescent setting TZ="Canada/Central" will now use the abbreviation EST for affected timestamps, akin to TZ="Canada/Pacific" behavior introduced in 2026b.

Another TZDB release may be needed soon if any of the portions of northwestern Ontario historically aligned with America/Winnipeg do not follow. For now, given the short lead time with Manitoba's announcement, assume that they will, to avoid creating new zones that may not be needed if no divergence occurs.

NOTE FOR 2026b TEMPORARY HACK FOR CLDR AND CANADA

This temporary hack works around a Canadian timekeeping bug in Unicode CLDR 48 and earlier. Unfortunately it also causes zic 2023d through 2026a, in the default slim mode, to generate a TZif file that does not conform to Internet RFC 9636 §3.3. The buggy file in turn causes some TZif readers, including tzcode itself, to ignore America/Vancouver's 2026-11-01 02:00 transition from PDT (tm_isdst=1) to MST (tm_isdst=0). Although the buggy file does not cause any known TZif reader to mishandle UT offsets, caution is advised when using zic 2023d through 2026a to compile data from more-recent tz releases. To work around this problem when using these older zic versions, use 'zic -b fat'.

Changes to past timestamps

In 1925 Ireland fell back on 09-20 not 10-04.

Changes to commentary

Discussion on timekeeping practices in northwestern Ontario has been expanded in light of Manitoba's recent announcement. It is not yet known whether or to what extent these areas may adapt their own timekeeping practices in response.

For more information, see JDK-8393337.

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-2026-91403	9.1	security-libs	java.security	network	low	none	none	unchanged	high	high	none

5. Resolved Issues

JDK issues

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

Issue ID	Summary
JDK-8395142	CA Enhancements

6. Updates to Third Party Libraries

This release does not contain any changes in the third party libraries.

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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