Liberica JDK 8u513+9
Release Notes



Liberica JDK
8u513
October 24, 2026

bellsoft

Copyright © BellSoft Corporation 2018-2026.

BellSoft software contains open source software. Additional information about third party code is available at https://bell-sw.com/third_party_licenses. You can also get more information on how to get a copy of source code by contacting info@bell-sw.com.

THIS INFORMATION MAY CHANGE WITHOUT NOTICE. TO THE EXTENT PERMITTED BY APPLICABLE LAW, BELLSOFT PROVIDES THIS DOCUMENTATION “AS IS” WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL BELLSOFT BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF BELLSOFT IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in this document is governed by the applicable license agreement, which is not modified in any way by the terms of this notice.

Alpaquita, Liberica and BellSoft are trademarks or registered trademarks of BellSoft Corporation. The registered trademark Linux® is used pursuant to a sublicense from the Linux Foundation, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis. Java and OpenJDK are trademarks or registered trademarks of Oracle and/or its affiliates. Other trademarks are the property of their respective owners and are used only for identification purposes.

Contents

1. Version information 5

2. What’s New 6

Removed the compromised eMudhra certificates 6

IANA TZ Data version 6

- Briefly 6
- Changes to future timestamps 6
  - NOTE FOR 2026b TEMPORARY HACK FOR CLDR AND CANADA 7
- Changes to past timestamps 7
- Changes to commentary 7

3. Known Issues 8

4. Fixed CVEs 9

5. Resolved Issues 10

JDK issues 10

6. Updates to Third Party Libraries 11

7. Upgrading to the New Version 12

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+9. 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 root CA certificates related to eMudhra 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-2026-114820	9.1	security-libs	javax.net.ssl	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-8395690	CA certificate improvements

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.



Liberica JDK 8u513+9
Release Notes

bell//soft