

Liberica Native Image Kit 23.1.12-1 (21.0.12+11)

Release Notes



Liberica NIK
21.0.12
July, 2026

be//soft

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. Introduction	4
Liberica NIK distribution	4
2. What's New	5
Notable Issues	5
Language and framework versions	5
3. Known Issues	7
4. CVEs	8
5. Resolved Issues	9
Liberica NIK issues	9
6. Upgrading to the New Version	11

1. Introduction

This document provides information about Liberica NIK release.

This particular version of Liberica NIK 23.1.12-1 is based on Liberica JDK 21.0.12+11.

**Note:**

For more information about Liberica JDK release, see [Liberica JDK Release Notes](#).

[Liberica Native Image Kit](#) is a utility Based on [GraalVM Open Source](#) that is capable of converting your JVM-based application into a fully compiled native executable ahead-of-time under the closed-world assumption with an almost instant startup time.

Liberica NIK supports the following platforms:

- Linux x86_64 (glibc)
- Linux Alpine x86_64 (musl)
- Linux AArch64 (glibc)
- Linux Alpine AArch64 (musl)
- Mac OS x86_64
- Mac OS AArch64
- Windows x86_64

Liberica NIK distribution

Liberica NIK is distributed as .apk, .deb, .dmg, .msi, .pkg, .rpm, .tar.gz, and .zip packages. Please [select the most appropriate](#) for your purposes.

2. What's New

This release contains the following updates and new features.

Notable Issues

This release does not contain any notable issues. For the list of Liberica JDK notable issues, see [Liberica JDK Release Notes](#)

Language and framework versions

Liberica NIK 23.1.12 supports the following languages and frameworks:

Component	Version
LLVM	16.0.1 (GraalVM CE Native 23.1.12)
Python	3.10.8 (GraalVM CE Native 23.1.12)
Node.js	18.20.6
Java	Liberica JDK 21.0.12+11
Java Script	GraalVM JavaScript (GraalVM CE Native 23.1.12)
R	4.0.3 (FastR)
TruffleRuby	23.1.12 (Ruby 3.2.2)
Native Image	GraalVM version 23.1.12 (Liberica JDK 21.0.12+11, LTS)

Component	Version
Wasm	WebAssembly (GraalVM CE Native 23.1.12)

3. Known Issues

This release does not contain any known issues. For the list of Liberica JDK known issues, see [Liberica JDK Release Notes](#).

4. 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-2026-41254	7.5	client-libs	2d	network	low	none	none	unchanged	none	none	high
CVE-2026-46917	5.3	security-libs	javax.net.ssl	network	low	none	none	unchanged	none	none	low
CVE-2026-46968	5.9	security-libs	javax.net.ssl	network	high	none	none	unchanged	none	high	none
CVE-2026-47010	3.7	client-libs	javax.imageio	network	high	none	none	unchanged	none	low	none
CVE-2026-47013	5.3	javafx	graphics	network	low	none	none	unchanged	none	none	low
CVE-2026-47021	5.3	client-libs	2d	network	low	none	none	unchanged	none	none	low
CVE-2026-47027	5.3	security-libs	java.security	network	low	none	none	unchanged	none	none	low
CVE-2026-47059	5.9	client-libs	2d	network	high	none	none	unchanged	none	none	low
CVE-2026-47063	7.5	security-libs	java.security	network	low	none	none	unchanged	none	high	none
CVE-2026-60147	6.5	security-libs	java.security	network	low	none	none	unchanged	low	low	none

5. Resolved Issues

Liberica NIK issues

This is the list of Liberica NIK issues fixed in this release.

Issue ID	Summary
GR-54756	Implement JVM_ArrayCopy on Darwin
GR-69291	Backport to 23.1: Do not inline hasNextTier in parsing.
GR-69335	Backport to 23.1: Fix pending JNI exception leak in native-image-agent.
GR-70295	Backport to 23.1: Use opaque placeholder value when deleting a VirtualFrameAccessorNode
GR-71539	Backport to 23.1: TruffleStrings: fix incorrect offset handling in FromJavaStringNode.
GR-72626	Backport to 23.1: Implement JVM_ArrayCopy on Darwin.
GR-72649	Backport to 23.1: Remove faulty assertion in Truffle call target splitting.
GR-72666	Backport to 23.1: TruffleString: Fix wrong assertion in TransCodeIntlNode.
GR-73183	Backport to 23.1: Use 64k page size by default at image build-time.
GR-73211	Backport to 23.1: Verify that the image heap is mapped correctly.

Issue ID	Summary
GR-73286	Backport to 23.1: Ensure that all isolates see a consistent global state.
GR-73342	Backport to 23.1: Allow generation of SSE V128_DOUBLE stores
GR-73380	Backport to 23.1: Don't return Number objects directly to host if they are also TruffleObject objects.
GR-73813	Backport to 23.1: Fix simplification of $x < x + a$
GR-74174	Fix missing reflection registration for LocaleDisplayNamesImpl constructor.
GR-74300	Backport to 23.1: Fix missing reflection registration for ICU4J.
GR-75014	Mask indexed store addresses.
GR-75571	Fix Long.MIN_VALUE < normalizeCompare(a, b) folding
GR-75577	NonmovableArrays: use word to compute offsets from indexes.
GR-75580	Remove NO_TRANSITION from dlsym(...)
GR-75755	Initialize JDK Password ConsoleHolder at run time.

6. Upgrading to the New Version

To keep your Liberica NIK 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 NIK Installation Guide](#).



Liberica Native Image Kit
23.1.12-1 (21.0.12+11)

Release Notes

be//soft