

Liberica Native Image Kit 23.1.4+3 (21.0.4+9) Release Notes



Liberica NIK
21.0.4
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1. Introduction

This document provides information about Liberica NIK release.

This particular version of Liberica NIK 23.1.4+3 is based on Liberica JDK 21.0.4+9.

**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 23.1.4 supports the following languages and frameworks:

Component	Version
LLVM	16.0.1 (GraalVM CE Native 23.1.4)
Python	3.10.8 (GraalVM CE Native 23.1.4)
Node.js	18.20.2
Java	Liberica JDK 21.0.4+9
Java Script	GraalVM JavaScript (GraalVM CE Native 23.1.4)
R	4.0.3 (FastR)
TruffleRuby	23.1.4 (Ruby 3.0.3)

Component	Version
Native Image	GraalVM version 23.1.4 (Liberica JDK 21.0.4+9, LTS)
Wasm	WebAssembly (GraalVM CE Native 23.1.4)

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

5. Resolved Issues

Liberica NIK issues

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

Issue ID	Summary
GR-48899	Support TIMED_WAITING for virtual threads.
JDK-8310913	svm: adapt "Move ReferencedKeyMap to jdk.internal so it may be shared"
JDK-8312498	svm: adopt "JDK-8312498 Thread::getState and JVM TI GetThreadState should return TIMED_WAITING virtual thread is timed parked"
JDK-8324646	Adopt "JDK-8324646: Avoid Class.forName in SecureRandom constructor" Fixes graalvm/mandrel#716

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](#).



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