

Liberica Native Image Kit 23.1.5+1 (21.0.5+11) Release Notes



Liberica NIK
21.0.5
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1. Introduction

This document provides information about Liberica NIK release.

This particular version of Liberica NIK 23.1.5+1 is based on Liberica JDK 21.0.5+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 23.1.5 supports the following languages and frameworks:

Component	Version
LLVM	16.0.1 (GraalVM CE Native 23.1.5)
Python	3.10.8 (GraalVM CE Native 23.1.5)
Node.js	18.20.4
Java	Liberica JDK 21.0.5+11
Java Script	GraalVM JavaScript (GraalVM CE Native 23.1.5)
R	4.0.3 (FastR)
TruffleRuby	23.1.5 (Ruby 3.2.2)

Component	Version
Native Image	GraalVM version 23.1.5 (Liberica JDK 21.0.5+11, LTS)
Wasm	WebAssembly (GraalVM CE Native 23.1.5)

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-2023-42950	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2024-21208	3.7	core-libs	java.net	network	high	none	none	unchanged	none	none	low
CVE-2024-21210	3.7	hotspot	compiler	network	high	none	none	unchanged	none	low	none
CVE-2024-21217	3.7	core-libs	java.io.serialization	network	high	none	none	unchanged	none	none	low
CVE-2024-21235	4.8	hotspot	compiler	network	high	none	none	unchanged	low	low	none
CVE-2024-25062	7.5	javafx	web	network	low	none	none	unchanged	none	none	high
CVE-2024-36138	8.1	node.js	nghttp2	network	high	none	none	unchanged	high	high	high

5. Resolved Issues

Liberica NIK issues

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

Issue ID	Summary
GR-52569	Fix <code>isResultArrayIndex</code> check for <code>ToArrayIndexNode</code> without <code>ToPropertyKey</code> conversion.
GR-52608	Backport to 23.1: Fix potential <code>ArrayIndexOutOfBoundsException</code> when setting an element at a negative index.
GR-52762	Remove <code>@Introspectable</code> from <code>JavaScriptBaseNode</code> .
GR-52798	Backport to 23.1: Disable introspection data for JS nodes.
GR-52839	Backport to 23.1: <code>InstanceOf</code> operator should check whether the left side is a (foreign) object.
GR-53475	Backport to 23.1: Upgrading the underlying Node.js to version 18.20.2.
GR-54097	Backport to 23.1: Increase default typed array size limit to 2GB.
GR-54294	Allow importing modules without I/O access.
GR-54629	Backport to 23.1: I/O permissions are required even though the module is already evaled.
GR-55244	<code>PromiseRejectionTracker</code> should not be shared between contexts.

Issue ID	Summary
GR-55266	Backport to 23.1: Error message(s) appearing across context(s) boundaries.
GR-56801	Backport to 23.1: Upgrading the underlying Node.js to version 18.20.4.

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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