

Liberica Native Image Kit 24.1.1+1 (23.0.1+13) Release Notes



Liberica NIK
23.0.1
October, 2024

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1. Introduction

This document provides information about Liberica NIK release.

This particular version of Liberica NIK 24.1.1+1 is based on Liberica JDK 23.0.1+13.

**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 24.1.1 supports the following languages and frameworks:

Component	Version
LLVM	18.1.3 (GraalVM CE Native 24.1.1)
Python	3.11.7 (GraalVM CE Native 24.1.1)
Node.js	20.15.1
Java	Liberica JDK 23.0.1+13
Java Script	GraalVM JavaScript (GraalVM CE Native 24.1.1)
TruffleRuby	24.1.1 (Ruby 3.2.4)
Native Image	GraalVM version 24.1.1 (Liberica JDK 23.0.1+13, LTS)

Component	Version
Wasm	WebAssembly (GraalVM CE Native 24.1.1)

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-56104	Fix --bundle-create option and bundle-launcher feature on Windows.
GR-56412	Backport to 24.1: Fix --bundle-create option and bundle-launcher feature on Windows.
GR-56704	Update mx import.
GR-57238	Backport to 24.1: Avoid getHostBackend when instantiating UnimplementedGraalIntrinsics.
GR-57295	Aarch: Move setConservativeLabelRange after resetting crb.
GR-57656	Backport to 24.1: Fix Addr part alignment in Truffle compilation logs.
GR-57706	Backport to 24.1: Reset Provider.Service.constructorCache field.
GR-57721	Backport to 24.1: Create Gradle plugin with similar features as our Maven plugin.
GR-57745	Backport to 24.1: Eagerly initialize caches in ValueConversions.
GR-57799	Backport to 24.1: Deprecate exposed truffle filesystem spi in VirtualFileSystem.

Issue ID	Summary
GR-57842	Update bouncycastle dependency
GR-57959	Backport to 24.1: Do not include TruffleJfrFeature if PGO config is specified.
GR-57970	Backport to 24.1: Make js.webassembly option stable.
GR-57975	Backport to 24.1: Update bouncycastle dependency
GR-58037	Start 24.1.1 dev cycle.
GR-58065	Update labsjdk to 23.0.1+9-jvmci-b01
GR-58165	Backport to 24.1: Prevent emission of typeReachable in reachability-metadata.json
GR-58228	Backport to 24.1: Remove constant memory buffer assumption and simplify ByteArrayWasmMemory.
GR-58283	Respin labsjdk to 23.0.1+11-jvmci-b01.
GR-58483	Update bcutil dependency

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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