

Liberica Native Image Kit 25.0.2-1 (25.0.2+13) Release Notes



Liberica NIK
25.0.2
January, 2026

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1. Introduction

This document provides information about Liberica NIK release.

This particular version of Liberica NIK 25.0.2-1 is based on Liberica JDK 25.0.2+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.

Native-image fix

Liberica NIK version 25.0.2-1 contains fixed native-image for compiling JavaFX applications on Linux.

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 25.0.2 supports the following languages and frameworks:

Component	Version
LLVM	20.1.4 (GraalVM CE Native 25.0.2)
Python	3.12.8 (GraalVM CE Native 25.0.2)
Node.js	22.17.1
Java	Liberica JDK 25.0.2+13
Java Script	GraalVM JavaScript (GraalVM CE Native 25.0.2)

Component	Version
TruffleRuby	25.0.2 (Ruby 3.3.7)
Native Image	GraalVM version 25.0.2 (Liberica JDK 25.0.2+13, LTS)
Wasm	WebAssembly (GraalVM CE Native 25.0.2)

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-2026-21925	4.8	core-libs	java.rmi	network	high	none	none	unchanged	low	low	none
CVE-2026-21932	7.4	client-libs	java.awt	network	low	none	required	changed	none	high	none
CVE-2026-21933	6.1	core-libs	java.net	network	low	none	required	changed	low	low	none
CVE-2026-21945	7.5	security-libs	java.security	network	low	none	none	unchanged	none	none	high

5. Resolved Issues

Liberica NIK issues

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

Issue ID	Summary
GR-67528	Backport to 25: Boxing Snippets Lack Profile
GR-67714	Backport to 25.0: Use <code>reset_user_group</code> for <code>DeliverableStandaloneArchive</code> .
GR-68985	Backport to 25.0: Fix the reachability-metadata schema and include it with GraalVM.
GR-69140	Backport to 25: Bump double-conversion version number.
GR-69166	Backport to 25.0: Fix loading delvewheel wheels
GR-69657	Harden XML processing in <code>MVNDDownloader</code>
GR-69658	Backport to 25.0: Harden XML processing in <code>MVNDDownloader</code>
GR-69685	Backport to 25.0: Fix overloaded method caching regression in <code>HostExecuteNode</code> .
GR-69709	Backport to 25.0: Clearing temporary variables used during destructuring assignment.

Issue ID	Summary
GR-69776	Backport to 25.0: Fix hash collisions in <code>CompilationResultBuilder.buildLabelOffsets()</code> .
GR-70049	Backport to 25.0: Fix Win32 API error handling in <code>WindowsVMSemaphore</code> .
GR-70097	Backport to 25.0: Fix constructor accessor checks.
GR-70195	Backport to 25.0: Only call <code>updateSizeParameters()</code> if <code>DynamicCollectionPolicy</code> is used.
GR-70219	Backport to 25.0: Induction variable overflow detection: iv have ranges in entire trip count space.
GR-70226	Backport to 25.0: <code>java_util_prefs</code> substitution is applied only if <code>java.prefs</code> module is present.
GR-70294	Backport to 25.0: Use opaque placeholder value when deleting a <code>VirtualFrameAccessorNode</code>
GR-70565	Backport to 25.0: Fix <code>native-image-configure</code> to properly register types from JNI sections as JNI accessed
GR-70584	Backport to 25.0: Fix JFR memory leak in Java event TLBs.
GR-70594	Backport to 25.0: Remove <code>DynamicThresholdsQueue</code> and instead execute the compilation thresholds scaling when submitting a compilation task/before execution of a compilation task.

Issue ID	Summary
GR-70619	Backport to 25.0: Adjust deployed artifacts.
GR-70669	Backport to 25.0: Fix segfault in <code>ReleasePrimitiveArrayCritical</code> .
GR-70695	Backport to 25.0: Fix: make heap root computation thread safe.
GR-70706	Backport to 25.0: Fix: convert assertions statements in Bytecode DSL processor with explicit checks.
GR-70724	Backport to 25.0: Fix passing NULL modulus from 2-argument <code>pow</code>
GR-70738	Move polybench jobs in CPU branches from <code>e4_36_256</code> to <code>e4_8_64</code> in CPU branches 25
GR-70975	Update <code>labsjdk</code> to 25.0.2+8-jvmci-b01
GR-71011	Backport to 25.0: Make native slot wrappers context-specific. Fixes #557.
GR-71025	Backport to 25.0: Fix missing descriptor for <i>hash</i> in <i>slots</i>
GR-71177	Backport to 25.0: <code>SubstrateEnterpriseOptimizedCallTarget</code> without return profile causes a deopt loop
GR-71213	Backport to 25.0: Improve error messages.
GR-71230	Update <code>labsjdk</code> to 25.0.2+4-jvmci-b01

Issue ID	Summary
GR-71375	Backport to 25.0: Fix potential crash with <code>DynamicObjectLibrary.removeKey</code> .
GR-71381	Backport to 25.0: Use <code>LibC.free(...)</code> when freeing native memory that was allocated by the <code>libc</code> or other native code.
GR-71419	Backport to 25.0: Verify that objects in the young generation don't have a remembered set bit.
GR-71488	Backport to 25.0: Converting values injected by instruments.
GR-71538	Backport to 25.0: TruffleStrings: fix incorrect offset handling in <code>FromJavaStringNode</code> .
GR-71786	Backport to 25.0: In-place <code>copySwap</code> in <code>JavaMemoryUtil</code> is a no-op.
GR-71812	Backport to 25.0: Allow FFM API without <code>libc</code> .
GR-71881	Drop <code>RSSTracker</code> from disabled trackers for <code>barista</code> .
GR-71924	Update <code>labsjdk</code> to 25.0.2+9-jvmci-b01
GR-72185	Update <code>labsjdk</code> to 25.0.2+10-jvmci-b01
GR-72395	Release GraalVM 25.0.2

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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