AdoptOpenJDK - Introducing the most popular OpenJDK build

Java is the world's leading programming language and platform. **AdoptOpenJDK** is a community run initiative that provides **open source OpenJDK binaries** that are free to use.

AdoptOpenJDK uses **open infrastructure, build and test scripts** to produce rock-solid binaries from OpenJDK class libraries, and a choice of either **Hotspot** (the OpenJDK default JVM) or **OpenJ9** (an enterprise-grade JVM from Eclipse). All AdoptOpenJDK binaries and scripts are open source licensed and available for free.

AdoptOpenJDK produces OpenJDK version 8 and higher runtimes for **multiple operating systems**. For all LTS (long-term support) versions (currently 8 and 11) AdoptOpenJDK provides regular and **free updates for several years**.

> 200 Million Downloads   **> 100 Build & Test Machines**   **> 250 000 Automated Tests**

Enterprise ready with the AQA quality mark

AdoptOpenJDK Quality Assurance (AQA) **"makes quality certain to happen"**. AQA is a **community-driven** effort committed to delivering **high quality binaries** that satisfy **enterprise grade requirements** to serve enterprise consumers and development teams alike. Our consumers require binaries to be **secure, functional, performant, and scalable**. We have curated and written a large and diverse set of open source test materials to meet these requirements which are organized and tagged to provide flexible and portable test execution. Only binaries that pass these tests are granted the AQA quality mark.

During any given release, we run **tens of millions of tests** in a variety of continuous integration environments and triage anomalous failures with innovative open source tools developed at the project to monitor large-scale deployments. By design, the AQA program continuously evolves and we welcome all participation to further improve upon it.

Variant platforms and builds

AdoptOpenJDK supports a wide range of platforms. Our supported operating systems include **Linux, macOS, Windows, Solaris** and **AIX** and we build AdoptOpenJDK on several architectures such as **Intel, Arm, IBM Z, PowerPC, SPARC** and even **RISC-V**.

We build both **HotSpot** and **OpenJ9** binaries on our build machines and we're always looking to grow our platform list. For example we're currently working on OpenJDK builds for **macOS Silicon** and **Windows Arm64**.
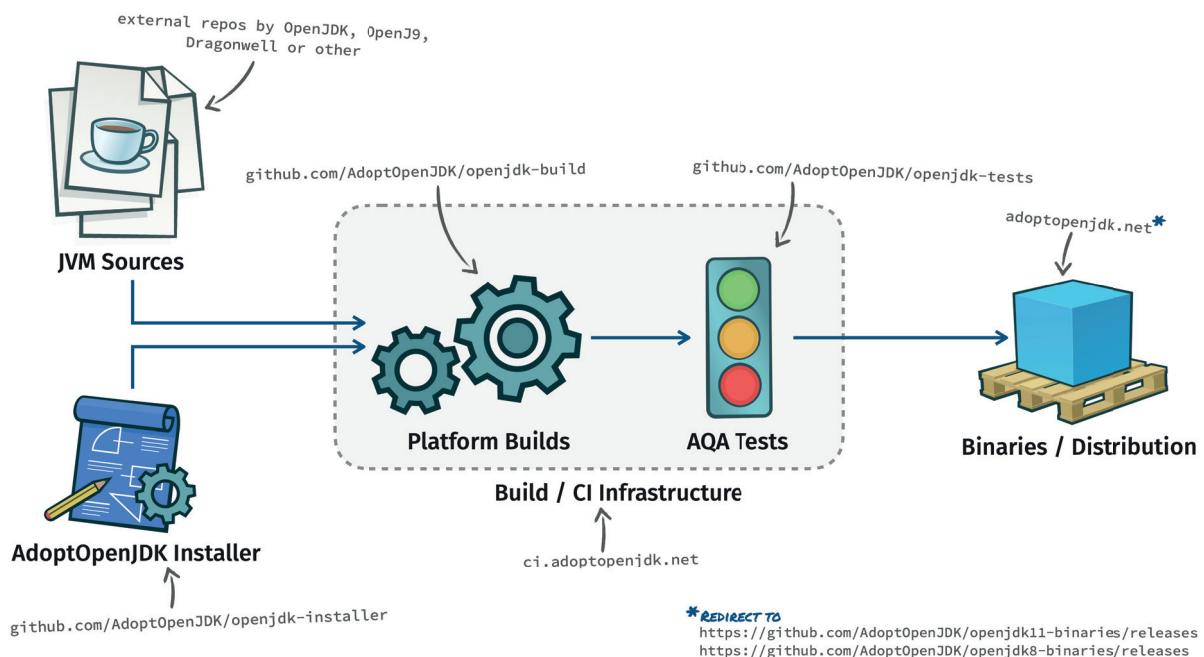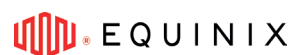
Transparent builds

AdoptOpenJDK build and test systems are as transparent as possible. While the OpenJDK is an open source project and everyone can have a look at the source code of the OpenJDK, the builds of Java runtimes mostly happen behind closed doors. At AdoptOpenJDK everything is built on a **CI server** that can be viewed at *ci.adoptopenjdk.net*. Here everyone can have a look at the build processes of AdoptOpenJDK binaries and its current state.

Next to a transparent build our setup and CI processes allow interested parties to check our **open test strategy and coverage** of AdoptOpenJDK. By using the open source AQA test suite all our binaries have passed over **250.000 tests** each. At our build servers we provide all test results and quality checks for each release and nightly build.

external repos by OpenJDK, OpenJ9, Dragonwell or other

JVM Sources

github.com/AdoptOpenJDK/openjdk-build

github.com/AdoptOpenJDK/openjdk-tests

adoptopenjdk.net*

Platform Builds

AQA Tests

Binaries / Distribution

Build / CI Infrastructure

AdoptOpenJDK Installer

github.com/AdoptOpenJDK/openjdk-installer

ci.adoptopenjdk.net

*REDIRECT TO
https://github.com/AdoptOpenJDK/openjdk11-binaries/releases
https://github.com/AdoptOpenJDK/openjdk8-binaries/releases

AdoptOpenJDK sponsors

AdoptOpenJDK is proud to receive contributions from several companies, both in the form of monetary contributions in exchange for membership or in-kind contributions for required resources.