Quality Outreach

Introduction

The Quality Group is promoting the testing of Free Open Source Software (FOSS) projects with OpenJDK builds, whether their own, or from someone else. We want to acknowledge projects who are actively testing, providing feedback and list any issues they have found during their testing. This is a great way to improve the quality of the various releases, adding new projects to the list is highly desirable.

How to join the Quality Outreach Program

If you would like to have your Project added to the list below please send an email to quality-discuss mailing lists including:

- Project name
- Project Contact
- Actively Tested on: JDK version
- Previously tested on and actively using features from JDK version

If you haven’t already subscribed to these lists then please do so first, otherwise your message will be discarded.

Status indicators

🌟 - Indicates we have active testing, feedback & bug reporting on some or all JDKs
🌟 - Indicates we have intermittent communication on some or all JDKs
🌟 - Indicates will start testing in the near future

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<thead>
<tr>
<th>FOSS</th>
<th>Contact</th>
<th>OpenJDK 11.0.6</th>
<th>OpenJDK 17 GA</th>
<th>OpenJDK 20 GA</th>
<th>OpenJDK 21 GA</th>
<th>Comments</th>
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<td>Akka, Lightbend</td>
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| Apache Aries CDI | Raymond Auge         | 🌟 🌟          |              |              |              | https://github.com/apache/aries-cdi/actions/runs/125540570
All builds are green                                                        |
| Apache Aries JAX-RS | Raymond Auge         | 🌟 🌟          |              |              |              | https://github.com/apache/aries-jax-rs-whiteboard/actions/runs/125109158 |
| Apache Aries SpI Fly | Raymond Auge         | 🌟 🌟          |              |              |              | https://github.com/apache/aries/actions/runs/723194437                  |
| Apache Camel  | Andrea Cosentino    | 🌟 🌟          |              |              |              | 3.4.0 is a LTS release that supports both JDK8 and JDK 11                |
| Apache Chemistry | Florian Muller      | 🌟 🌟          |              |              |              | https://builds.apache.org/view/C/view/Apache%20Camel/job/Camel%20JDK14/|
| Apache CloudStack | Gabriel Bräucher    | 🌟 🌟          |              |              |              | #WorksLikeHeavenOnJDK11                                                |
| Apache Commons | Benedikt Ritter     | 🌟 🌟          |              |              |              |                                                                          |
| Apache CXF     | Andrei Redko        | 🌟 🌟          |              |              |              |                                                                          |
| Apache DataSketches | Lee Rhodes           | 🌟 🌟          |              |              |              |                                                                          |
| Apache Derby   | Rick Hillegas       | 🌟 🌟 🌟       |              |              |              |                                                                          |
| Apache Hadoop  | Akira Ajisaka       | 🌟 🌟          |              |              |              | • Apache Hadoop 3.x now supports only Java 8
• Apache Hadoop from 2.7.x to 2.x support Java 7 and 8
• Java 11 support is now in progress:
  trunk (3.3.0-SNAPSHOT) supports Java 11 as runtime                |
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<th>Contact</th>
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<td>builds.apache.org/jobs/PDFBox-Trunk-jdk9/</td>
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<td>#WorksLikeHeavenOnJDK11</td>
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<td>Burningwave</td>
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<td>all tests are green</td>
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Building on Java 17 fails since Java 1.6 target is no longer supported.
Formerly known as Apache Isis.

Tests pass on JDK 18 EA build 23!

#WorksFineOnJDK9

We plan to support JDK 15, also plan to add JDK 16 support.

JDK 17 EA testing here

#WorksLikeHeavenOnJDK11

Apereo CAS v6.4 runs with no issues on JDK 16 GA.
Apereo CAS has no issues building against JDK 17-ea+35.

https://approvaltests.com/ We test with JDK 8, 11, current GA and early access builds but do not make use of any APIs greater than JDK8 for compatibility reasons.

**CI Links:**
- Link

BNY Mellon Code Katas project is passing on JDK 18 EA build 23

#WorksLikeHeavenOnJDK11
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<td>Eclipse</td>
<td>Andy Clement</td>
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<td>AspectJ 1.9.5 is now available. It includes support for Java 13.</td>
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<td>Mihai Andronache</td>
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<td>Github: Link Cl: Link OpenJDK 16 tests We support JDK 15 &amp; test JDK 16 EA builds</td>
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<td>No issues on JDK11, JDK 12, JDK 13, JDK 14. FXGL tests are also green on JDK 15 and JDK 16 b35 FXGL Cl is at: <a href="https://github.com/AlmasB/FXGL/actions">https://github.com/AlmasB/FXGL/actions</a></td>
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<td>Edgar Espina</td>
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<td>JOQO</td>
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<td>Johannes Link</td>
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The table above provides a list of libraries, their contacts, and their compatibility with different versions of the OpenJDK platform. Each library entry includes a star rating for each version of the OpenJDK, indicating the level of support or compatibility. Comments are also provided to give more detailed information about the compatibility and testing results. The table is designed to help developers understand which libraries are well-suited for use with the latest JDK versions.
<table>
<thead>
<tr>
<th>FOSS</th>
<th>Contact</th>
<th>OpenJDK 11.0.6</th>
<th>OpenJDK 17 GA</th>
<th>OpenJDK 20 EA</th>
<th>OpenJDK 21 EA</th>
<th>Comments</th>
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<tr>
<td>JUnit 5</td>
<td>Marc Philipp</td>
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<td>#WorksLikeHeavenOnJDK11</td>
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<td>JUnit 5 builds and runs fine on OpenJDK 17 RC, builds fine on 18 EA b25</td>
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<td>Peter Thomas</td>
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<td>Tests are green for JDK 17 and JDK 18 EA versions.</td>
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<td>Lilith</td>
<td>Jörn Radtke</td>
<td>✨</td>
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<td>✨</td>
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<td>✨</td>
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<td>MapStruct</td>
<td>Filip Hrisafov</td>
<td>✨</td>
<td>✨</td>
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<td><a href="https://github.com/mapstruct/mapstruct">https://github.com/mapstruct/mapstruct</a>. MapStruct is an annotation processor. Our main focus of testing is the javac compiler</td>
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<tr>
<td>Micrometer</td>
<td>Tommy Ludwig</td>
<td>✨</td>
<td>✨</td>
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<td>Tests are green on JDK 17 GA</td>
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<td>Mockito</td>
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<td>MyBatis</td>
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<td>✨</td>
<td>✨</td>
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<td>Recently migrated our CI platform from Travis-CI to GitHub Actions</td>
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<td>Netty</td>
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<td>I had to do a small change in our test:<a href="https://github.com/netty/netty/pull/11500">https://github.com/netty/netty/pull/11500</a></td>
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<td>Objenesis</td>
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<td>David Gilbert</td>
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<td>Parallel Collectors</td>
<td>Grzegorz Piwowarek</td>
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<td>Actively testing using GitHub actions against a few versions of JDK: here</td>
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<td>Andrea Vaccondio</td>
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<td><a href="https://travis-ci.org/torakiki/pdfsam">https://travis-ci.org/torakiki/pdfsam</a>. PDFsam - all tests are green in PDFsam with this version- b35</td>
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<td>Lubomir Bulej</td>
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<td>Ceki Gülcü</td>
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<td>Sejda</td>
<td>Andrea Vacondio</td>
<td>★</td>
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<td>Andrei Soltsev</td>
<td>★</td>
<td>★</td>
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<td>OpenJDK 8 &amp; OpenJDK 11: green, I have run Selenide tests on OpenJDK 17. ea.28-open - all tests are OK. After upgrading Mockito 3.11.2 and ByteBuddy 1.11.5, my tests became green. So they do support Java 18. Selenide project is green with Java 17 build 35.</td>
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<td>Martin Wittlinger, Martin Monperrus</td>
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<td>Matti Tahvonen</td>
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<td>Our products build and work correctly with OpenJDK 17 EA 21</td>
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