

Quality Outreach

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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 around the timeframe of the related release - doesn't necessarily mean that the related release is already supported

★ - Indicates we have intermittent communication on some or all JDKs - doesn't necessarily mean that the related release is already supported

★ - Indicates will start testing in the near future

| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | Comments | |
|-----------------------|-------------------------------|----------------|---------------|---------------|---------------|---|--|
| Akka, Lightbend | Patrik Nordwall | ★ | ★ | | | | |
| Angel-ML | Brucetao | ★ | ★ | | | | |
| Apache ActiveMQ | | | | | ★ | | |
| Apache Ant | Stefan Bodewig & Jaikiran Pai | ★ | ★ | ★ | ★ | | |
| Apache Aries CDI | Raymond Auge | ★ | ★ | | | https://github.com/apache/aries-cdi/actions/runs/125540570 | |
| 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 | ★ | ★ | | | | |
| Apache Chemistry | Florian Muller | ★ | ★ | | | | |
| Apache CloudStack | Gabriel Bräscher | ★ | ★ | | | #WorksLikeHeavenOnJDK11 | |
| Apache Commons | Benedikt Ritter | ★ | ★ | ★ | | | |
| Apache CXF | Andriy Redko | ★ | ★ | ★ | ★ | Oct.23: JDK 21 is fully supported | |
| Apache DataSketches | Lee Rhodes | ★ | ★ | | | | |
| Apache Derby | Rick Hillegas | ★ | ★ | ★ | ★ | | |
| Apache Hadoop | Akira Ajisaka | ★ | ★ | | | | |
| Apache HttpComponents | Gary Gregory | ★ | ★ | | | | |
| Apache Causeway | Dan Haywood | ★ | ★ | ★ | | Formerly known as Apache Isis | |

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|----------------------------|-------------------------------------|-----------------------|----------------------|----------------------|----------------------|--|
| Apache JMeter | Philippe Mouawad | ★ | ★ | | | |
| Apache Johnzon | Romain Manni-Bucau | ★ | ★ | ★ | ★ | |
| Apache Kafka | Ismael Juma | ★ | ★ | ★ | ★ | Oct.23: Java 21 is supported in trunk and will be part of the upcoming 3.7.0 release. |
| Apache Karaf | Guillaume Nodet | ★ | | | | |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | |
| Apache Log4j | Gary Gregory | ★ | ★ | ★ | | |
| Apache Lucene & SOLR | Uwe Schindler Dawid Weiss | ★ | ★ | ★ | ★ | #WorksLikeHeavenOnJDK11 |
| Apache Maven | Robert Scholte | ★ | ★ | ★ | | #WorksLikeHeavenOnJDK11 |
| Apache MetaModel | Kasper Sorensen | ★ | ★ | | | |
| Apache Netbeans | Ken Fogel | ★ | ★ | | | |
| Apache PDFBox | Tilman Hausherr | ★ | ★ | | | builds.apache.org/job/PDFBox-Trunk-jdk9/ |
| Apache POI | Apache POI PMC | ★ | ★ | ★ | | |
| Apache Syncope | Francesco Chicchiriccò | ★ | ★ | ★ | ★ | Syncop master branch is now requiring JDK 21 to build. JDK 22-ea is tested |
| Apache Tika | Tim Allison | ★ | ★ | ★ | | #WorksLikeHeavenOnJDK11 |
| Apache Tomcat | Mark Thomas | ★ | ★ | ★ | ★ | |
| Apache Wicket | Martin Grigorov | ★ | ★ | ★ | | |
| Apache Zookeeper | Enrico Olivelli | ★ | ★ | ★ | | CI Links - Link |
| Apereo CAS | Misagh Moayyed | ★ | ★ | ★ | ★ | Support 21! Waiting for Gradle to test with 22-EA |
| ApprovalTests.Java | Llewellyn Falco Lars Eckart | ★ | ★ | ★ | ★ | |
| Arquillian | Aslak Knutsen | ★ | ★ | | | |
| AsciidoctorJ | Guillaume Grossetie | ★ | ★ | | | |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | |
| ASM | Remi Forax | ★ | ★ | ★ | | |
| AssertJ | Joel Costigliola, Stefano Cordio | ★ | ★ | ★ | ★ | JDK 21 supported, next major version (post 3.25.0) will baseline on JDK 17. |
| Avaje | Josiah Noel Robin Bygrave | ★ | ★ | ★ | ★ | JDK 21 supported, working on JDK 22-EA support |
| BlueJ | Michael Kölling | ★ | ★ | | | |
| Bnd | Raymond Auge | ★ | ★ | | | https://github.com/bndtools/bnd/actions/runs/114089797 https://bnd.bndtools.org/ |
| BNY Mellon Spring Training | Emilie Robichaud Aqsa Malik | ★ | ★ | ★ | ★ | Build: https://github.com/BNYMellon/spring-kata/actions |
| BNY Mellon Code Katas | Emilie Robichaud Aqsa Malik | ★ | ★ | ★ | ★ | Repo: https://github.com/BNYMellon/CodeKatas |
| BootstrapFX | Andres Almiray | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Burningwave | Roberto Gentili Alessio Perrotta | ★ | ★ | ★ | ★ | JDK 21 supported |
| bt | Andrei Tomashpolskiy | ★ | ★ | | | |
| Byte Buddy | Rafael Winterhalter | ★ | ★ | ★ | ★ | #WorksLikeHeavenOnJDK11 |
| Byteman | Andrew Dinn | ★ | ★ | | | |
| CheckStyle | Roman Ivanov | ★ | ★ | | | |
| Classworlds | Robert Scholte | ★ | ★ | | | |
| Clojure | Alex Miller | ★ | ★ | | | |

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|----------------------------|----------------------------------|-----------------------|----------------------|----------------------|----------------------|---|
| CruiseControl | Kent Spillner | ★ | ★ | | | |
| Cryptomator | Sebastian Stenzel | - | ★ | | | Support only for latest GA release, testing with EA releases. |
| DataCleaner | Kasper Sorensen | ★ | ★ | | | |
| Debezium | Jiri Pechanec | ★ | ★ | ★ | | NB: Cassandra 3 and Spanner connector not passing for JDK 20 due to issues caused by their dependencies |
| DesktopPaneFX | Andres Almiray | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| EasyMock | Henri Tremblay | ★ | ★ | | | |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | |
| Eclipse AspectJ | Andy Clement | ★ | ★ | | | |
| Eclipse Collections | Nikhil J. Nanivadekar | ★ | ★ | ★ | ★ | #WorksLikeHeavenOnJDK11 |
| Eclipse GEF | Alexander Nyssen | ★ | ★ | | | |
| Eclipse Jetty | Simone Bordet | ★ | ★ | ★ | ★ | JDK 21 is fully supported, will soon start to test using 22-EA Builds. |
| Eclipse Jifa | Denghui Dong | | | | | |
| Eclipse Vert.x | Paulo Lopes | ★ | ★ | | | |
| Ehcache | Louis Jacomet | ★ | ★ | | | |
| EJBCA | info dot primekey dot se | ★ | ★ | | | |
| ElasticSearch | Ryan Ernst | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| eo-yaml | Mihai Andronache | ★ | ★ | | | CI |
| EqualsVerifier | Jan Ouwens | ★ | ★ | ★ | ★ | Tested on JDK 21 |
| FXGL | Almas Baimagambetov | ★ | ★ | | | FXGL CI https://github.com/AlmasB/FXGL/actions |
| FXGraphics2D | David Gilbert | ★ | ★ | ★ | | |
| FXyz | Sean Phillips Jose Pereda | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Gradle | Sterling Greene | ★ | ★ | | | |
| GraphHopper | Peter Karich | ★ | ★ | | | |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | Comments |
| Greenfoot | Michael Kölling | ★ | ★ | | | |
| Griffon | Andres Almiray | ★ | ★ | | | |
| Groovy | Cedric Champeau | ★ | ★ | | | |
| guice-async-extension | Simon Taddiken | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Hazelcast | Frantisek Hartman | ★ | ★ | | | |
| HdrHistogram | Gil Tene | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Helidon | Joe Di Pol | ★ | ★ | ★ | ★ | |
| Hibernate ORM | Yoann Rodiere Sanne Grinovero | ★ | ★ | ★ | ★ | Tested on JDK 21, and JDK 22-EA (b20) |
| Hibernate Validator | Yoann Rodiere Sanne Grinovero | ★ | ★ | ★ | ★ | |
| Hibernate Search | Yoann Rodiere Sanne Grinovero | ★ | ★ | ★ | ★ | |
| Hibernate Reactive | Yoann Rodiere Sanne Grinovero | ★ | ★ | ★ | ★ | |
| HyperSQL Database (HSQLDB) | Fred Toussi | ★ | ★ | | | |
| Ikonli | Andres Almiray | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| JabRef | Christoph Schwentker | ★ | ★ | | | |
| Jackson | Tatu Saloranta | ★ | ★ | | | |

| JaCoCo | Evgeny Mandrikov | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
|------------------------|---------------------|----------------|---------------|---------------|---------------|--|
| JaCoLine | Chris Newland | ★ | ★ | | | JaCoLine |
| Javassist | Shigeru Chiba | ★ | ★ | | | |
| JavaEWAH | Daniel Lemire | ★ | ★ | | | |
| Java Katas | Chandra Guntur | ★ | ★ | | | https://travis-ci.org/github/c-guntur/java-katas JDK 17 https://github.com/c-guntur/java-katas/runs/2812711581?check_suite_focus=true Link to ALL : https://github.com/c-guntur/java-katas/actions/runs/854091621 |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | Comments |
| JavaLite | Igor Polevoy | ★ | ★ | | | |
| Java Native Access JNA | Matthias Blasing | ★ | ★ | | | |
| JBoss-Forge | Ivan St Ivanov | ★ | ★ | | | |
| JBoss Tools | Josef Kopriva | ★ | ★ | | | |
| Jenkins | Alexander Brandes | ★ | ★ | ★ | | |
| JFreeChart | David Gilbert | ★ | ★ | | | |
| JFreeSVG | David Gilbert | ★ | ★ | | | |
| JFreePDF | David Gilbert | ★ | ★ | | | |
| JHipster | Matt Raible | ★ | ★ | ★ | | |
| JITWatch | Chris Newland | ★ | ★ | | | |
| JLine | Guillaume Nodet | ★ | ★ | | | |
| JMetro | Pedro Duque Vieira | ★ | ★ | | | |
| JobRunr | Ronald Dehuysser | ★ | ★ | ★ | | |
| JOGL/JogAmp | Sven Gothel | ★ | ★ | | | |
| Jooby | Edgar Espina | ★ | ★ | | | |
| jOOQ | Lukas Eder | ★ | ★ | ★ | | |
| jqwik | Johannes Link | ★ | ★ | | | |
| JReleaser | Andres Almiray | ★ | ★ | | | |
| JSilhouette | Andres Almiray | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | Comments |
| JUnit 5 | Marc Philipp | ★ | ★ | ★ | ★ | #WorksLikeHeavenOnJDK11 |
| Karate | Peter Thomas | ★ | ★ | | | |
| Kotlin | Alexander Udalov | ★ | ★ | ★ | ★ | Oct. 23: Working on 4 remaining issues related to JDK 21 support |
| Lillith | Jörn Ruxhorn | ★ | ★ | | | |
| Logback | Ceki Gülcü | ★ | ★ | | | |
| LWJGL | Ioannis Tsakpinis | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| MapStruct | Filip Hrisafov | ★ | ★ | | | |
| Micrometer | Tommy Ludwig | ★ | ★ | | | |
| Micronaut | Graeme Rocher | ★ | ★ | ★ | ★ | |
| Mockito | Rafael Winterhalter | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| MyBatis | Iwao Ave | ★ | ★ | ★ | ★ | Tested on JDK 21 and JDK 22-EA |
| Netty | Norman Maurer | ★ | ★ | ★ | | #WorksLikeHeavenOnJDK11 |
| Objenesis | Henri Tremblay | ★ | ★ | | | |
| OkHttp | Jesse Wilson | ★ | ★ | | | |

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|--------------------------------|---------------------------------------|-----------------------|----------------------|----------------------|----------------------|--|
| OpenNMS | Ben Reed | ★ | ★ | | | |
| Orson Charts | David Gilbert | ★ | ★ | | | |
| oVirt | Roy Golan | ★ | ★ | | | |
| Parallel Collectors | Grzegorz Piwowarek | ★ | ★ | ★ | ★ | Actively testing using GitHub actions against a few versions of JDK here |
| PDFsam | Andrea Vacondio | ★ | ★ | | | https://travis-ci.org/torakiki/pdfsam |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | |
| PicoCLI | Remko Popma | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Piranha Cloud | Thiago Henrique Hüpner | ★ | ★ | | | Github link: https://github.com/piranhacloud/piranha/ |
| PMD | Andreas Dangel | ★ | ★ | | | |
| ProGuard | Eric Lafortune | ★ | ★ | | | |
| QDox | Robert Scholte | ★ | ★ | | | |
| RabbitMQ | Arnaud Cogoluègnes | ★ | ★ | | | |
| Rapidoid | Nikolche Mihajlovski | ★ | ★ | | | |
| Ratpack | Luke Daley | ★ | ★ | | | |
| RedHat Infinispan | Galder Zamerreno | ★ | ★ | | | |
| RedHat Wildfly | | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Reflections | Ron Mamo | ★ | ★ | | | |
| Renaissance Suite | Lubomir Bulej | ★ | ★ | | | |
| restrict-imports-enforcer-rule | Simon Taddiken | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Roaring | Daniel Lemire | ★ | ★ | | | |
| RxJava | David Karnok | ★ | ★ | ★ | ★ | Compile OK, Tests OK on JDK 21 |
| Scala Team, Lightbend | Jason Zaugg | ★ | ★ | | | |
| semantic-version | Simon Taddiken | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| FOSS | Contact | OpenJDK 11.0.6 | OpenJDK 17 GA | OpenJDK 21 GA | OpenJDK 24 EA | Comments |
| SLF4J | Ceki Gülcü | ★ | ★ | | | |
| Sejda | Andrea Vacondio | ★ | ★ | | | https://travis-ci.org/github/torakiki/sejda |
| Selenide | Andrei Soltsev | ★ | ★ | | | |
| SonarQube | Nicolas Peru | ★ | ★ | | | |
| Spoon | Martin Wittlinger Martin Monperrus | ★ | ★ | ★ | | |
| Spotbugs | Andrey Loskutov | ★ | ★ | | | |
| Spring Framework | Juergen Hoeller | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Susel | Uday Tatiraju | ★ | ★ | | | #WorksLikeHeavenOnJDK11 |
| Thermostat | Severin Gehwolf | ★ | ★ | | | |
| Travis CI | Mathias Meyer | ★ | ★ | | | |
| Trino | Mateusz Gajewski | | | | ★ | |
| Vaadin | Matti Tahvonen | ★ | ★ | | ★ | |
| VAVR | Grzegorz Piwowarek | ★ | ★ | | ★ | |
| VMOptionsExplorer | Chris Newland | ★ | ★ | | | |
| Woodstox | Tatu Saloranta | ★ | ★ | | | |
| XStream | Jörg Schaible | ★ | ★ | | | |

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|---------------|--------------------|---|---|---|--|--|--|
| Xtext | Sven Efftinge |  |  | | | | |
| Xtend | Sven Efftinge |  |  | | | | |
| Yupiiik Batch | Romain Manni-Bucau | |  | | | | |
| Yupiiik uShip | Romain Manni-Bucau | |  |  | | | |
| ZXing | Sean Owen |  |  | | | | |