

Quality Outreach Report June 2021

Quality Outreach Report introduction

The first Quality Report was published in September 2015 [here](#), our initial intention was to provide a report every six months. We now release a Feature Release every 6 months so we have decided to publish a Quality Outreach Report every three months.

The previous report was issued in March 2021 [here](#)

- Section one looks at the number of FOSS Project participating in the Quality Outreach .
- Section two lists the bug logging activities over the past three months (April 2021 - June 2021).
- Section three lists the FOSS project activities on JDK 17 Early Access builds.
- Section four lists the traffic on quality-discuss@openjdk.java.net.
- Section five lists the Items of Interest.

1.0 FOSS Projects listed on Quality Outreach Wiki

We now have **162** FOSS Projects of which 153 and their developers are listed on the Quality Outreach [Wiki](#) page.

There have been **10** new FOSS Projects added since the last report in March 2021. Welcome All!

New Projects added :

- Apache Aries SPI Fly
- Apache CloudStack
- Apache DataSketches
- Apache Netbeans
- ASM
- Cryptomator
- JabRef
- JMetro
- Karate
- Selenide

All FOSS Projects receive regular updates when Early Access (EA) builds become available, they are encouraged to test and report back any issues they find during their testing.

2.0 Bugs logged since April 2021

Developers from **8** of the then **162** participating projects filed **15** new issues in the JDK Bug System in the last three months, thank you !

Priority	Fixed	Open	Duplicate	Not an Issue	Won't fix	Total
P1	0	0	0	0	0	0
P2	0	0	0	0	0	0
P3	2	3	1	0	0	6
P4	2	5	0	1	1	9
Total Unique Issues	4	8	1	1	1	15

The table above lists the number of bugs logged in total - **15**, of which **6** were P3 bugs and **9** were P4 bugs.

Component	P1	P2	P3	P4	Total
client-libs	0	0	2	1	3
core-libs	0	0	1	4	5
core-svc	0	0	0	1	1
javaafx	0	0	0	1	1
tools	0	0	3	2	5
Total Unique Issues	0	0	6	9	15

The table above lists the number of bugs logged by Component. Total **15** Bugs were found in **5** component areas.

2.1 FOSS Projects logging significant bugs

The following Projects have submitted bug reports in the last three months and deserve special mention:

- Apache Ant
- Apache Lucene
- Apache Log4j
- Apache Maven
- Apache PDFBox
- Byte Buddy
- jOOQ
- JUnit5

2.2 Overall Summary of bugs filed by FOSS Projects since October 2013

Priority	Fixed	Open	Duplicate	Not an Issue	Incomplete	Won't fix	Can't Reproduce	Other	Total
P1	13	0	0	0	0	0	0	0	13
P2	62	0	10	6	0	0	4	2	84
P3	128	16	28	22	3	7	6	3	213
P4	40	45	13	12	4	7	5	4	130
P5	2	0	1	0	0	0	0	0	3
Total Issues	245	61	52	40	7	14	15	9	443

3.0 FOSS activity on JDK 17 Early Access Builds - bugs logged since April 2021 to now

Priority	Fixed	Open	Duplicate	Not an Issue	Total
P1	0	0	0	0	0
P2	0	0	0	0	0
P3	2	3	0	0	5
P4	2	2	0	0	4
Total Unique Issues	4	5	0	0	9

The following Projects have submitted bug reports against JDK 17 Early Access builds :

- Apache Ant
- Apache Lucene
- Apache PDFBox
- Byte Buddy

3.1 Testing Early Access builds of JDK 17 - list of FOSS Projects results and their comments

	FOSS Project	JDK 17 EA	Comments
1	Apache Ant	b26	Logged JDK-8268774 after finding failure in javadoc related test.
2	Apache Aries JAX-RS	b16	I've just added JDK 17-ea to the Aries JAX-RS project build matrix and everything is green across the board.
3	Apache Aries SPI Fly	b16	All tests are green on Java 17-ea.
4	Apache Commons	b6	Logged one regression (JDK-8262108) against JDK 17, resolved.
5	Apache DataSketches	b16	Green for JDK 17 EA.
6	Apache Derby	b26	Derby builds and tests cleanly against Open JDK 17-ea.

7	Apache Lucene	b25	Logged one bug - JDK-8268743.
8	Apache Synscope	b16	I am glad to confirm that all works with JDK 17ea as well, on Linux, Windows and Mac OS.
9	Apache Tomcat	b23	Build and tests pass successfully with JDK 17-ea on Linux x86_64 and aarch64!
10	Apache Wicket	b26	Build and tests pass successfully with JDK 17-ea on Linux x86_64 and aarch64!
11	Apache Zookeeper	b21	The build passes as before.
12	Burningwave	b16	All test are green.
13	Eclipse Collections	b21	All builds are green.
14	eo-yaml	b23	eo-yaml seems to work fine on OpenJDK 17 EA, the CI build is green.
15	FXGL	b26	JDK 17-ea is currently failing due to the Kotlin compiler.
16	Hibernate ORM	b26	Versions 5.4, 5.5 tested against JDK 17 EA. No problems to report.
17	Hibernate Validator	b26	Versions 6.1, 6.2, 7.0 tested against JDK 17 EA. No problems to report.
18	Hibernate Search	b26	Versions 5.10, 5.11, 6.0 tested against JDK 17 EA. No problems to report.
19	Hibernate Reactive	b26	Version 1.0 tested against JDK 17 EA. No problems to report.
20	JaCoCo	b23	Our tests are green with OpenJDK 17 Early Access build.
21	Java Katas	b21	Build for: JDK 17 b22, 16, 15, Loom, Valhalla and Panama. Happy to report all green!
22	JobRunr	b26	JobRunr still works fine on OpenJDK 17 EA Build 26.
23	JUnit5	b13	JUnit5 is green for JDK17.
24	Karate	b26	The Karate project is now green on all versions upto JDK 17 ea26.
25	MyBatis	b18	All tests are passing on JDK 17 build.
26	PDFsam	b23	Tests are all green with this release.
27	RxJava	b26	Results for RxJava 3.0.13 (released) running on GHA: Target 12,13,14,15,16: Compile-OK, Tests-OK. Target 17: Not supported by Gradle afaik.
28	Sejda	b23	All tests are passing with this release.
29	Selenide	b16	All tests are green but we don't run them regularly yet.
30	Vaadin	b21	Our products build and work correctly with OpenJDK 17 EA.

4.0 Discussion of the quality-discuss@openjdk.java.net mailing list

- Total 4 members participated in various discussions on the mailing list.
- Discussion threads
 - OpenJDK 17 EA build availability - 4
 - OpenJDK 17 EA build test results - 9
 - OpenJDK 18 EA build test results - 1
 - JDK 17 Rampdown Phase One notification - 1
 - Adding new project in Quality Outreach wiki - 4

5.0 Items of Interest

- **'Insider Java':**
 - Foreign Memory Access and NIO channels - Going Further : [Link](#)
- **April 2021 Critical Patch Update Released**
- **JDK 17 - we are in Rampdown Phase One**
 - Updates to JEP 411: Deprecate the Security Manager for Removal | [Link](#)
 - "The meaning, or not, of "LTS" | [Link](#)
 - JFR Remote Recording Stream | [Link](#)

The next Quality Outreach report is due in September 2021