

Quality Outreach Report December 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 September 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 (October 2021 - December 2021).
- Section three lists the FOSS project activities on JDK 18 Early Access builds.

1.0 FOSS Projects listed on Quality Outreach Wiki

We now have **175** FOSS Projects of which 166 and their developers are listed on the Quality Outreach [Wiki](#) page.

There have been **6** new FOSS Projects added since the last report in September 2021. Welcome All!

New Projects added :

- BNY Mellon Code Katas
- BNY Mellon Spring Training
- Eclipse Jifa
- Renaissance Suite
- Yupiik Batch
- Yupiik uShip

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 October 2021

Developers from **9** of the **175** participating projects filed **10** 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	1	0	0	0	0	1
P3	1	2	0	0	0	3
P4	4	1	1	0	0	6
Total Unique Issues	6	3	1	0	0	10

The table above lists the number of bugs logged in total - **10**, of which **1** was P2, **3** were P3 and **6** were P4 bugs.

Component	P1	P2	P3	P4	Total
client-libs	0	0	2	0	2
core-libs	0	1	0	4	5
hotspot	0	0	1	0	1
tools	0	0	0	2	2
Total Unique Issues	0	1	3	6	10

The table above lists the number of bugs logged by Component. Total **10** Bugs were found in **4** 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 PDFBox

- Apache POI
- Byte Buddy
- Hibernate
- JOOQ
- PDFBox

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	67	0	10	7	0	0	4	2	90
P3	134	17	28	22	3	7	6	3	220
P4	52	46	15	13	4	7	5	5	147
P5	3	0	1	0	0	0	0	0	4
Total Issues	269	63	54	42	7	14	15	10	474

3.0 FOSS activity on JDK 18 Early Access Builds - bugs logged since October 2021 to now

Priority	Fixed	Open	Duplicate	Not an Issue	Total
P1	0	0	0	0	0
P2	1	0	0	0	1
P3	0	1	0	0	1
P4	4	0	1	0	5
Total Unique Issues	5	1	1	0	7

The following Projects have submitted bug reports against JDK 18 Early Access builds :

- Apache Ant
- Apache PDFBox
- Byte Buddy
- Hibernate

3.1 Testing Early Access builds of JDK 18 - List of FOSS Projects results and their comments

	FOSS Project	JDK 18	Comments
1	Apache Ant	b20	Ant currently fails due to JEP 411, should be tackled in the coming weeks.
2	Apache Derby	b23	Apache Derby now passes on JDK 18 EA b23
3	Apache Johnzon	b23	Passes on JDK EA 18 b23
4	Apache MyBatis	b23	Apache MyBatis passes (Linux x86_64 and aarch64)
5	Apache PDFBox	b23	Apache PDFBox reported JDK-8277574.
6	Apache Tomcat	b27	Build and tests pass successfully with JDK 18 EA b27 (Linux x86_64 and aarch64)
7	Apache Wicket	b27	Build and tests pass successfully with JDK 18 EA b27 (Linux x86_64 and aarch64)
8	Apache Zookeeper	b6	Zookeeper passes with JDK 18 EA
9	BNYM Code Katas	b23	BNYM Code Katas passes
10	Burningwave	b20	For Burningwave Core all tests are green.

11	Byte Buddy	b23	Byte Buddy reported JDK-8277510, fixed in 18EA b26.
12	Debezium	b20	CI jobs verifying that all looks good on JDK 18 EA
13	Eclipse Collections	b14	Eclipse Collections now build with JDK 18 EA
14	Elasticsearch	b27	Elasticsearch passes on JDK 18 EA
14	FXGL	b27	FXGL passes
15	Hibernate ORM	b27	Version 5.6 tested against JDK 18 EA27: confirm JDK-8277451 fix, no problems to report!
16	Hibernate Validator	b27	Version 7.0 passes on JDK 18 EA
17	Hibernate Search	b27	Version 6.1 passes on JDK 18 EA
18	Hibernate Reactive	b27	Version 1.1 passes on JDK 18 EA
19	JUnit	b25	JUnit 5.9-SNAPSHOT builds fine on JDK 18 EA b25
20	Karate	b14	Green for all versions, including JDK 18 EA
21	Micrometer	b26	Pass on 18 EA b26
22	RxJava	b27	RxJava 3.1.3 fails on 18 b27. Probably a Graddle issue, will test again once issue is solved on Graddle side.
23	Vaadin	b15	We have been actively testing with the newly released JDKs, now JDK 18 EA 15 is good to go with the Vaadin products.
24	Yupiik Batch	b23	Yupiik Batch (baseline on 17) passes on JDK 18 EA
25	Yupiik uShip	b23	Yupiik uShip (baseline on 11) passes on JDK 18 EA

The next Quality Outreach report is due in March 2022