

Quality Outreach report for July 2018

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 new Feature Release every 6 months so have decided to publish a Quality Outreach Report every three months.

The previous report was issued in March 2018 [here](#).

- Section one looks at the number of FOSS Projects we communicate with on a regular basis.
- Section two lists Bug logging activities over the past three months (April 2018 - June 2018).
- Section three lists traffic on quality-discuss@openjdk.java.net
- Section four - Newly added - lists FOSS Projects who have expressed Support/readiness for JDK 10 during this period.
- Section five - Newly added - lists JDK 11 Early Access testing experience of some FOSS Projects
- Section six - Newly added - miscellaneous section - links to recent Jenkins Hackaton and experiences with JDK 10/ JDK 11

1.0 FOSS Projects listed on Quality Outreach Wiki.

We now have **107** FOSS Projects and their developers listed on the Quality Outreach [Wiki](#) page. Note, we have a further 14 Projects that we communicate with

that are not listed on the wiki i.e 121 projects in total. 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 against JDK 11 Early Access builds

Developers from **6** of the **121** participating projects filed **9** new issues in the JDK Bug System against JDK 11 Early Access, thank you !

- JBoss Netty
- JUnit5
- AssertJ
- Eclipse Collections
- Byte Buddy
- RxJava

More information in the table below.

Priority	Fixed	Open	Duplicates	Not an Issue	Total
P1	0	0	0	0	0
P2	1	0	0	0	1
P3	0	1	0	2	3
P4	1	4	0	0	5
Total Unique Issues	2	5	0	2	9

Table above lists the number of bugs logged in total - 9 , of which 1 was P2 bug, with 3 P3, 5 P4 bugs etc.

Component	P1	P2	P3	P4	Total
core-libs	0	0	0	5	5
tools	0	0	2	0	2
security-libs	0	1	0	0	1
install	0	0	1	0	1
Total Unique Issues	0	1	3	5	9

The Table above lists the number of bugs logged by Component . Bugs have been found from tools, core-libs, security-libs and install components,

with core-libs benefiting most.

2.1 Bugs logged since April 2018

Developers from 7 of the 121 participating projects filed 12 new issues in the JDK Bug System, thank you !

The number of bugs logged during the last six months has declined.

More information in the table below.

Priority	Fixed	Open	Duplicate	Not an Issue	Total
P1	0	0	0	0	0
P2	1	0	0	0	1
P3	0	2	0	4	6
P4	1	4	0	0	5
Total Unique Issues	2	6	0	4	12

Table above lists the number of bugs logged in total - 12 , of which of which 1 was P2 bug, with 6 P2, 5 P4 bugs etc.

Components	P1	P2	P3	P4	Total
core-libs	0	0	1	5	6
tools	0	0	3	0	3
security-libs	0	1	0	0	1
client-libs	0	0	1	0	1
install	0	0	1	0	1
Total Unique Issues	0	1	6	5	12

The Table above lists the number of bugs logged by Component . It's clear that bugs have been found across most components, with core-libs benefiting most.

2.2 FOSS Projects logging significant bugs

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

- JBoss Netty
- JUnit5
- AssertJ
- Byte Buddy
- RxJava
- Eclipse Collections
- Apache Batik

2.3 Overall Summary of bugs filed to date by Projects.

Priority	Fixed	Open	Duplicates	Not an Issue	Incomplete	Total
P1	12	0	0	0	0	12
P2	38	0	6	2	3	49
P3	67	11	20	21	9	128
P4	10	22	3	9	7	51
P5	1	0	0	0	0	1
Total Unique Issues	128	33	29	32	19	241

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

- Total xx members participated in various discussions on the mailing list.
- Discussion threads
 - JDK11 EA build Test Results - 12

- JDK11 EA availability - 3

4.0 JDK 10 Support/Ready

	FOSS Project	JDK 10	Tweets/Links
1	Unit of Measure	Ready	http://unitsofmeasurement.github.io/2018/java10.html
2	VisualVM	Supports	https://twitter.com/visualvm/status/989134706917683203
3	Gradle v4.7	Supports	https://twitter.com/gradle/status/986600491378528258
4	Eclipse Oxygen.3a	Supports	https://twitter.com/mmilinkov/status/984558473827336192
5	Mockito 2.17.0 includes Java 10/11	Supports	https://twitter.com/MockitoJava/status/977581297840291840
6	JRebel 2018.1.0! Support for JDK 10	Supports	https://twitter.com/RogueWaveInc/status/991785401504452608
7	XML v1.5. bug fixes to support of JDK10.	Supports	https://twitter.com/xmlmind/status/989041409394126848
8	SonarJava 5.3 is out with support for JDK 10	Support	https://twitter.com/SonarQube/status/986530504915738624
9	vscode-java 0.22.0, bringing Java 10 support	Support	https://twitter.com/VSCoDeJava/status/981745710700916737
10	PMD 6.4.0	Support	https://pmd.github.io/pmd-6.4.0/pmd_release_notes.html
11	HSQLDB version 2.4.1	Support	https://sourceforge.net/p/hsqldb/svn/HEAD/tree/base/tags/2.4.1/index.html

5.0 JDK 11 Early Access testing status

	FOSS Project	JDK 11 Build	Comments
1	Apache Tomcat	b15	Builds without errors. Unit tests mostly OK. There are a couple of failures in TestSwallowAbortedUploads but that appears to be the result of a fragile test. I'm looking into this. Passes a basic smoke test (start Tomcat, play the WebSocket snake game). http://mail-archives.apache.org/mod_mbox/tomcat-dev/201805.mbox/ajax/%3C144dca8a-162e-8278-5c62-65261e31b053%40oracle.com%3E
2	Apache Lucene	b20	I will update the tested OpenJDK version with the rampdown one! https://mail-archives.apache.org/mod_mbox/lucene-dev/201807.mbox/browser
3	Bt	b14	b14- JDK 11 is also working just fine https://github.com/atomashpolkiy/bt/issues/30#issuecomment-391406626

6.0 Miscellaenous - Jenkins Hackathon

Interesting sessions during the Jenkins Hackathon , lesson learnt etc.

- <https://jenkins.io/blog/2018/06/27/lessons-java10-hackathon/>
- <https://jenkins.io/blog/2018/06/19/jenkins-java10-hackathon-day2/>

The next Quality Outreach report is due in September 2018.