

Overview of Java Artifacts with Neo4j

References

- [jqassistant](#)
- [py2neo](#)

Artifacts

Table 1 - Types per artifact

| | artifactName | languageElement | numberOfTypes |
|----|--------------------------|-----------------|---------------|
| 0 | axon-disruptor-4.7.5 | Class | 22 |
| 1 | axon-eventsourcing-4.7.5 | Class | 96 |
| 2 | axon-eventsourcing-4.7.5 | Interface | 31 |
| 3 | axon-eventsourcing-4.7.5 | Annotation | 1 |
| 4 | axon-eventsourcing-4.7.5 | Enum | 2 |
| 5 | axon-test-4.7.5 | Class | 69 |
| 6 | axon-test-4.7.5 | Interface | 16 |
| 7 | axon-messaging-4.7.5 | Class | 541 |
| 8 | axon-messaging-4.7.5 | Enum | 19 |
| 9 | axon-messaging-4.7.5 | Interface | 143 |
| 10 | axon-messaging-4.7.5 | Annotation | 26 |
| 11 | axon-modelling-4.7.5 | Class | 108 |
| 12 | axon-modelling-4.7.5 | Annotation | 12 |
| 13 | axon-modelling-4.7.5 | Interface | 26 |
| 14 | axon-modelling-4.7.5 | Enum | 3 |
| 15 | axon-configuration-4.7.5 | Class | 22 |
| 16 | axon-configuration-4.7.5 | Interface | 15 |
| 17 | axon-configuration-4.7.5 | Annotation | 1 |
| 18 | axon-configuration-4.7.5 | Enum | 1 |

Table 2 - Types per artifact (grouped)

| languageElement | Class | Interface | Annotation | Enum |
|--------------------------|-------|-----------|------------|------|
| artifactName | | | | |
| axon-messaging-4.7.5 | 541 | 143 | 26 | 19 |
| axon-modelling-4.7.5 | 108 | 26 | 12 | 3 |
| axon-eventsourcing-4.7.5 | 96 | 31 | 1 | 2 |
| axon-test-4.7.5 | 69 | 16 | 0 | 0 |
| axon-configuration-4.7.5 | 22 | 15 | 1 | 1 |
| axon-disruptor-4.7.5 | 22 | 0 | 0 | 0 |

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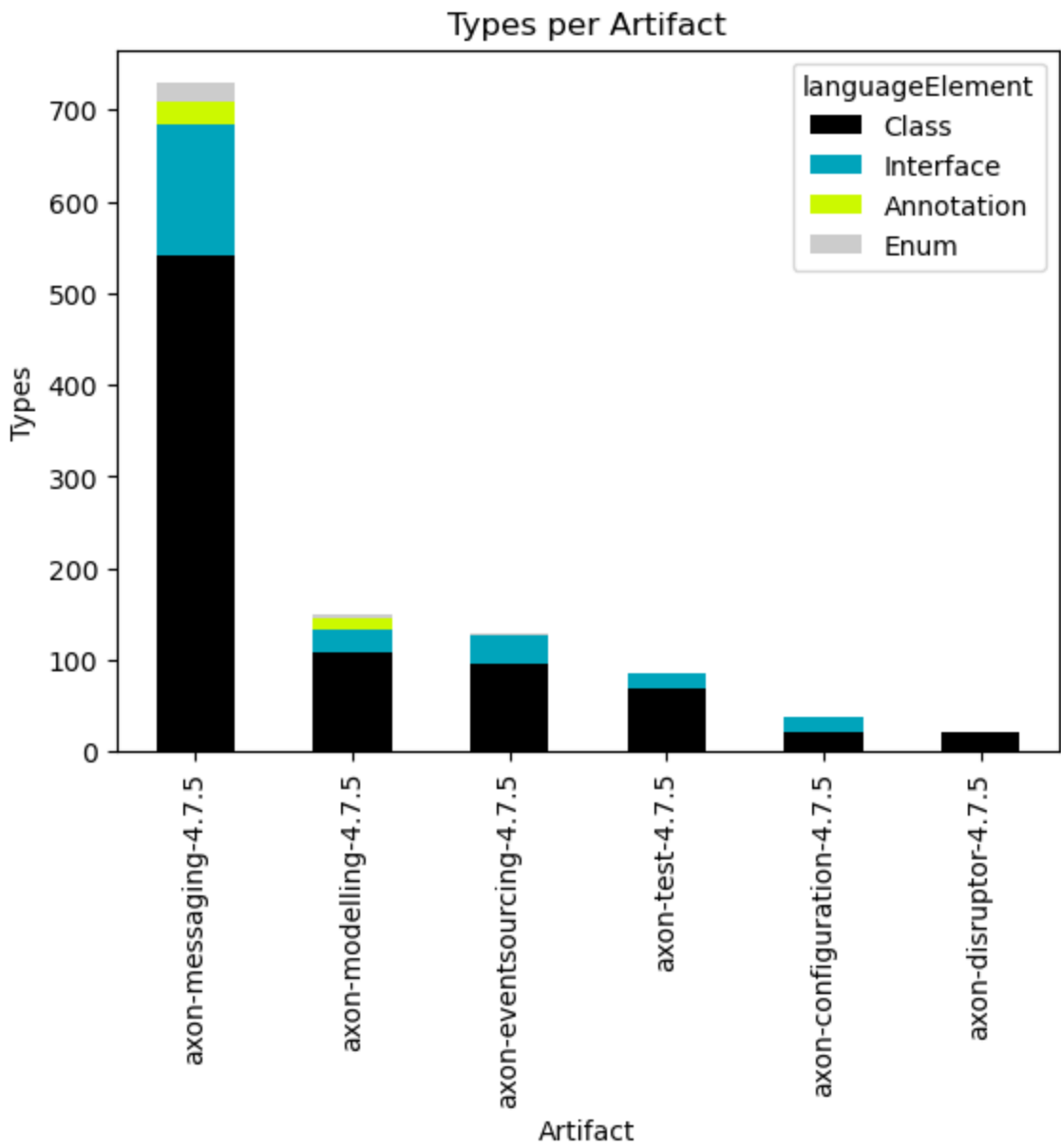


Table 3 - Types per artifact (grouped and normalized in %)

| languageElement | Class | Interface | Annotation | Enum |
|--------------------------|------------|-----------|------------|----------|
| artifactName | | | | |
| axon-messaging-4.7.5 | 74.211248 | 19.615912 | 3.566529 | 2.606310 |
| axon-modelling-4.7.5 | 72.483221 | 17.449664 | 8.053691 | 2.013423 |
| axon-eventsourcing-4.7.5 | 73.846154 | 23.846154 | 0.769231 | 1.538462 |
| axon-test-4.7.5 | 81.176471 | 18.823529 | 0.000000 | 0.000000 |
| axon-configuration-4.7.5 | 56.410256 | 38.461538 | 2.564103 | 2.564103 |
| axon-disruptor-4.7.5 | 100.000000 | 0.000000 | 0.000000 | 0.000000 |

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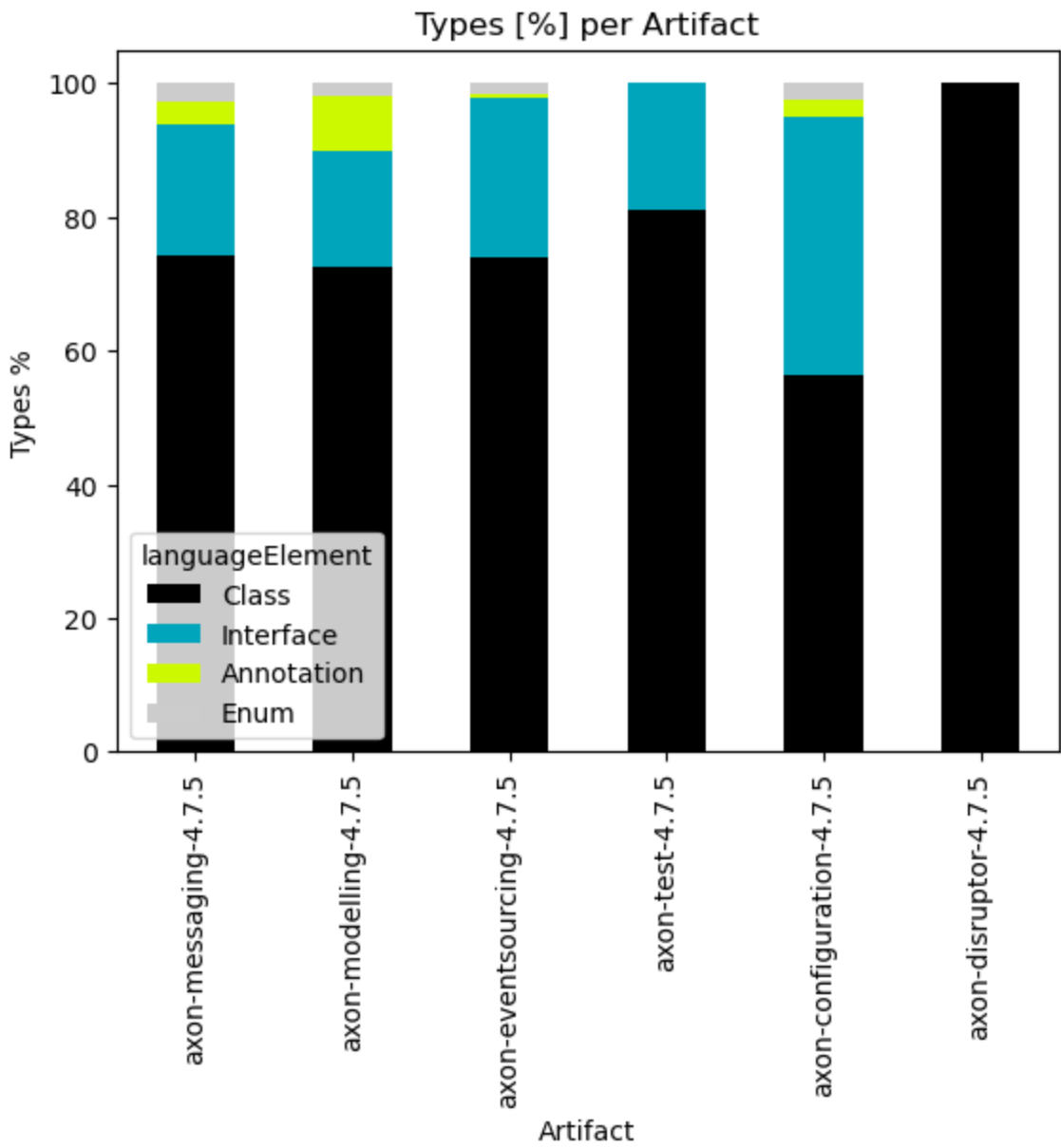
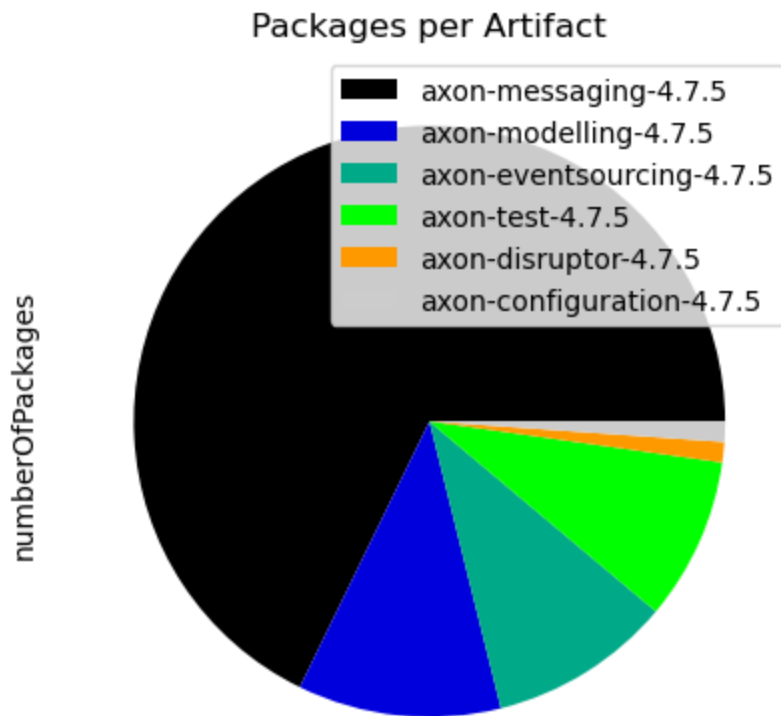


Table 4 - Number of packages per artifact

| artifactName | numberOfPackages |
|--------------------------|------------------|
| axon-messaging-4.7.5 | 61 |
| axon-modelling-4.7.5 | 10 |
| axon-eventsourcing-4.7.5 | 9 |
| axon-test-4.7.5 | 8 |
| axon-disruptor-4.7.5 | 1 |
| axon-configuration-4.7.5 | 1 |

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Effective Method Line Count

Table 5 - Effective method line count distribution

The table shown here only includes the first 10 rows which typically represents the most significant entries. Have a look below to find out which packages and methods have the highest effective lines of code.

| artifactName | axon-configuration-4.7.5.jar | axon-disruptor-4.7.5.jar | axon-eventsourcing-4.7.5.jar | axon-messaging-4.7.5.jar | axon-modelling-4.7.5.jar | axon-test-4.7.5.jar |
|--------------------|------------------------------|--------------------------|------------------------------|--------------------------|--------------------------|---------------------|
| effectiveLineCount | | | | | | |
| 1 | 304 | 81 | 567 | 2493 | 471 | 234 |
| 2 | 135 | 30 | 197 | 726 | 134 | 144 |
| 3 | 33 | 30 | 123 | 558 | 129 | 52 |
| 4 | 33 | 7 | 64 | 246 | 54 | 41 |
| 5 | 14 | 4 | 40 | 197 | 43 | 20 |
| 6 | 16 | 6 | 33 | 133 | 36 | 12 |
| 7 | 2 | 2 | 31 | 93 | 23 | 18 |
| 8 | 9 | 0 | 11 | 73 | 9 | 10 |
| 9 | 8 | 3 | 17 | 65 | 7 | 9 |
| 10 | 4 | 3 | 8 | 38 | 6 | 5 |

Table 6 - Effective method line count distribution (normalized)

The table shown here only includes the first 10 rows which typically represents the most significant entries. Have a look below to find out which packages and methods have the highest effective lines of code.

| artifactName | axon-configuration-4.7.5.jar | axon-disruptor-4.7.5.jar | axon-eventsourcing-4.7.5.jar | axon-messaging-4.7.5.jar | axon-modelling-4.7.5.jar | axon-test-4.7.5.jar |
|--------------------|------------------------------|--------------------------|------------------------------|--------------------------|--------------------------|---------------------|
| effectiveLineCount | | | | | | |
| 1 | 52.961672 | 46.022727 | 50.489760 | 51.937500 | 49.631191 | 40.554593 |
| 2 | 23.519164 | 17.045455 | 17.542297 | 15.125000 | 14.120126 | 24.956672 |
| 3 | 5.749129 | 17.045455 | 10.952805 | 11.625000 | 13.593256 | 9.012132 |
| 4 | 5.749129 | 3.977273 | 5.699020 | 5.125000 | 5.690200 | 7.105719 |
| 5 | 2.439024 | 2.272727 | 3.561888 | 4.104167 | 4.531085 | 3.466205 |
| 6 | 2.787456 | 3.409091 | 2.938557 | 2.770833 | 3.793467 | 2.079723 |
| 7 | 0.348432 | 1.136364 | 2.760463 | 1.937500 | 2.423604 | 3.119584 |
| 8 | 1.567944 | 0.000000 | 0.979519 | 1.520833 | 0.948367 | 1.733102 |
| 9 | 1.393728 | 1.704545 | 1.513802 | 1.354167 | 0.737619 | 1.559792 |
| 10 | 0.696864 | 1.704545 | 0.712378 | 0.791667 | 0.632244 | 0.866551 |

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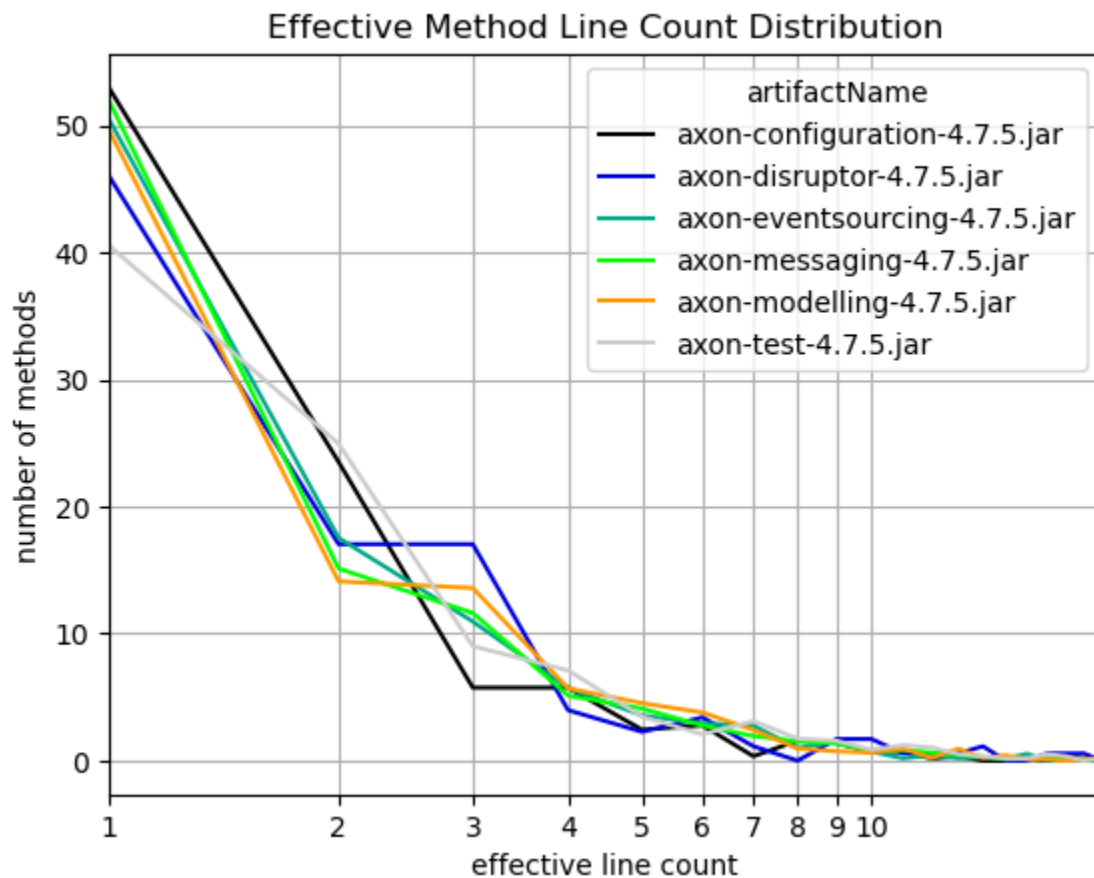


Table 7 - Cyclomatic method complexity distribution

The table shown here only includes the first 10 rows which typically represents the most significant entries. Have a look below to find out which packages and methods have the highest effective lines of code.

| artifactName | axon-configuration-4.7.5.jar | axon-disruptor-4.7.5.jar | axon-eventsourcing-4.7.5.jar | axon-messaging-4.7.5.jar | axon-modelling-4.7.5.jar | axon-test-4.7.5.jar |
|----------------------|------------------------------|--------------------------|------------------------------|--------------------------|--------------------------|---------------------|
| cyclomaticComplexity | | | | | | |
| 1 | 515 | 143 | 926 | 3831 | 786 | 428 |
| 2 | 37 | 18 | 92 | 409 | 71 | 55 |
| 3 | 13 | 4 | 54 | 266 | 34 | 44 |
| 4 | 3 | 4 | 24 | 129 | 24 | 21 |
| 5 | 3 | 2 | 9 | 65 | 18 | 11 |
| 6 | 1 | 2 | 3 | 43 | 10 | 7 |
| 7 | 2 | 1 | 7 | 19 | 2 | 4 |
| 8 | 0 | 2 | 7 | 9 | 1 | 3 |
| 9 | 0 | 0 | 0 | 7 | 2 | 1 |
| 10 | 0 | 0 | 0 | 4 | 0 | 1 |

Table 8 - Cyclomatic method complexity distribution (normalized)

The table shown here only includes the first 10 rows which typically represents the most significant entries. Have a look below to find out which packages and methods have the highest effective lines of code.

| artifactName | axon-configuration-4.7.5.jar | axon-disruptor-4.7.5.jar | axon-eventsourcing-4.7.5.jar | axon-messaging-4.7.5.jar | axon-modelling-4.7.5.jar | axon-test-4.7.5.jar |
|----------------------|------------------------------|--------------------------|------------------------------|--------------------------|--------------------------|---------------------|
| cyclomaticComplexity | | | | | | |
| 1 | 89.721254 | 81.250000 | 82.457703 | 79.812500 | 82.824025 | 74.176776 |
| 2 | 6.445993 | 10.227273 | 8.192342 | 8.520833 | 7.481560 | 9.532062 |
| 3 | 2.264808 | 2.272727 | 4.808549 | 5.541667 | 3.582719 | 7.625650 |
| 4 | 0.522648 | 2.272727 | 2.137133 | 2.687500 | 2.528978 | 3.639515 |
| 5 | 0.522648 | 1.136364 | 0.801425 | 1.354167 | 1.896733 | 1.906412 |
| 6 | 0.174216 | 1.136364 | 0.267142 | 0.895833 | 1.053741 | 1.213172 |
| 7 | 0.348432 | 0.568182 | 0.623330 | 0.395833 | 0.210748 | 0.693241 |
| 8 | 0.000000 | 1.136364 | 0.623330 | 0.187500 | 0.105374 | 0.519931 |
| 9 | 0.000000 | 0.000000 | 0.000000 | 0.145833 | 0.210748 | 0.173310 |
| 10 | 0.000000 | 0.000000 | 0.000000 | 0.083333 | 0.000000 | 0.173310 |

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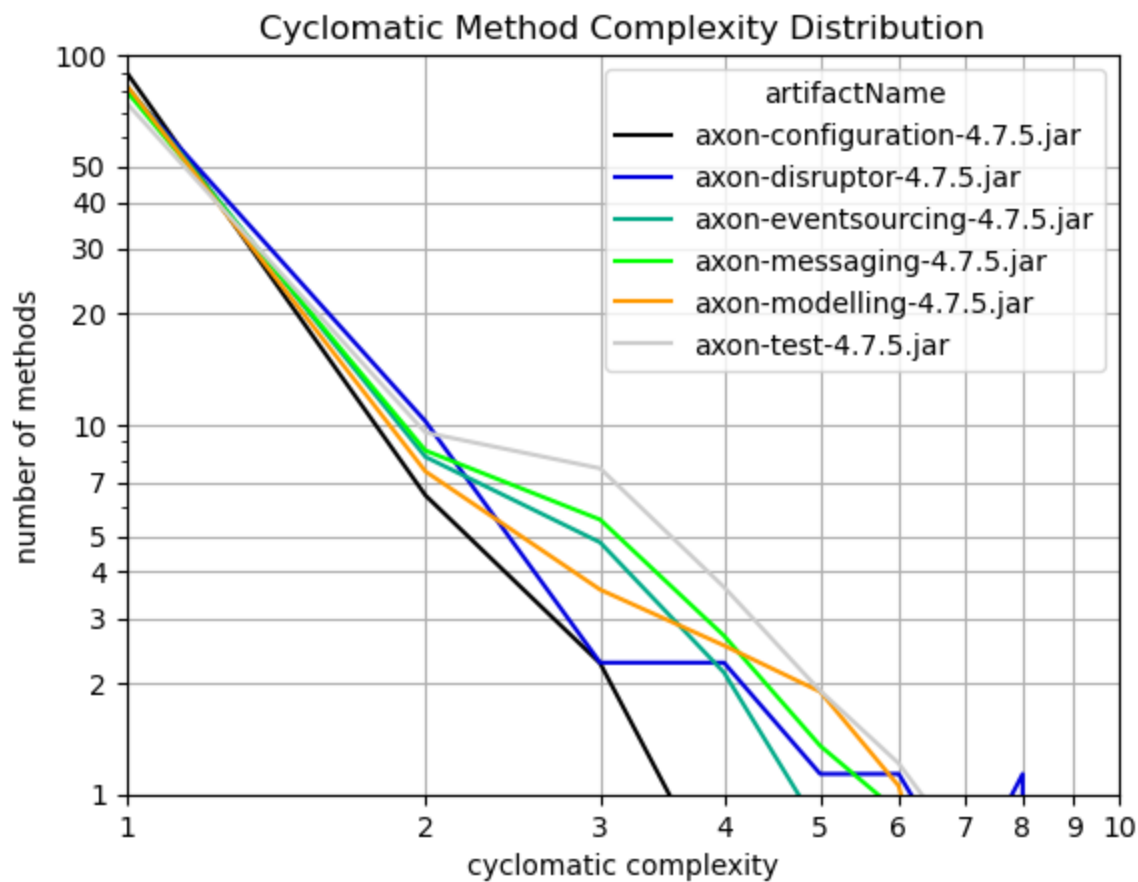


Table 9 - Top 10 packages with highest effective line counts

| | artifactName | fullPackageName | linesInPackage | methodCount | maxLinesMethod | maxLinesMethodName |
|---|--------------------------|---|----------------|-------------|----------------|---------------------|
| 0 | axon-messaging-4.7.5 | org.axonframework.eventhandling | 2175 | 776 | 64 | processBatch |
| 1 | axon-configuration-4.7.5 | org.axonframework.config | 1474 | 574 | 42 | <init> |
| 2 | axon-messaging-4.7.5 | org.axonframework.eventhandling.pooled | 939 | 308 | 70 | run |
| 3 | axon-messaging-4.7.5 | org.axonframework.queryhandling | 832 | 333 | 36 | doQuery |
| 4 | axon-eventsourcing-4.7.5 | org.axonframework.eventsourcing.eventstore | 709 | 262 | 21 | peekPrivateStream |
| 5 | axon-modelling-4.7.5 | org.axonframework.modelling.command | 702 | 286 | 13 | doLoadWithLock |
| 6 | axon-messaging-4.7.5 | org.axonframework.messaging.annotation | 673 | 239 | 23 | <init> |
| 7 | axon-test-4.7.5 | org.axonframework.test.aggregate | 633 | 170 | 45 | appendEventOverview |
| 8 | axon-eventsourcing-4.7.5 | org.axonframework.eventsourcing | 582 | 236 | 20 | doScheduleSnapshot |
| 9 | axon-eventsourcing-4.7.5 | org.axonframework.eventsourcing.eventstore.leg... | 570 | 185 | 25 | fetchTrackedEvents |

Table 10 - Top 10 methods with highest effective line counts

| | artifactName | fullPackageName | maxLinesMethodType | maxLinesMethodName | maxLinesMethod |
|---|--------------------------|--|----------------------------------|---------------------|----------------|
| 0 | axon-messaging-4.7.5 | org.axonframework.eventhandling.pooled | Coordinator\$CoordinationTask | run | 70 |
| 1 | axon-messaging-4.7.5 | org.axonframework.eventhandling | TrackingEventProcessor | processBatch | 64 |
| 2 | axon-messaging-4.7.5 | org.axonframework.commandhandling.gateway | CommandGatewayFactory | createGateway | 50 |
| 3 | axon-test-4.7.5 | org.axonframework.test.aggregate | Reporter | appendEventOverview | 45 |
| 4 | axon-configuration-4.7.5 | org.axonframework.config | EventProcessingModule | <init> | 42 |
| 5 | axon-messaging-4.7.5 | org.axonframework.deadline.quartz | DeadlineJob | execute | 42 |
| 6 | axon-modelling-4.7.5 | org.axonframework.modelling.saga.repository.jdbc | JdbcSagaStore | updateSaga | 38 |
| 7 | axon-messaging-4.7.5 | org.axonframework.queryhandling | SimpleQueryBus | doQuery | 36 |
| 8 | axon-messaging-4.7.5 | org.axonframework.messaging.deadletter | InMemorySequencedDeadLetterQueue | process | 33 |
| 9 | axon-messaging-4.7.5 | org.axonframework.messaging.unitofwork | BatchingUnitOfWork | executeWithResult | 32 |

Table 11 - Top 10 methods with highest cyclomatic complexity

| | artifactName | fullPackageName | maxComplexityType | maxComplexityMethod | maxComplexity |
|---|--------------------------|---|---|--------------------------|---------------|
| 0 | axon-messaging-4.7.5 | org.axonframework.eventhandling.scheduling.job... | JobRunrEventScheduler | <i>deserializeLambda</i> | 40 |
| 1 | axon-messaging-4.7.5 | org.axonframework.eventhandling | TrackingEventProcessor | processBatch | 21 |
| 2 | axon-messaging-4.7.5 | org.axonframework.eventhandling.pooled | Coordinator\$CoordinationTask | run | 21 |
| 3 | axon-modelling-4.7.5 | org.axonframework.modelling.saga.repository | AssociationValueMap\$AssociationValueComparator | compare | 16 |
| 4 | axon-messaging-4.7.5 | org.axonframework.eventhandling.deadletter.jpa | DeadLetterEventEntry | equals | 15 |
| 5 | axon-messaging-4.7.5 | org.axonframework.messaging.annotation | AnnotatedMessageHandlingMember | handle | 14 |
| 6 | axon-messaging-4.7.5 | org.axonframework.commandhandling.distributed.... | CommandNameFilter | <i>deserializeLambda</i> | 13 |
| 7 | axon-messaging-4.7.5 | org.axonframework.deadline.jobrunr | JobRunrDeadlineManager | <i>deserializeLambda</i> | 13 |
| 8 | axon-eventsourcing-4.7.5 | org.axonframework.eventsourcing.eventstore | ConcatenatingDomainEventStream | hasNext | 13 |
| 9 | axon-messaging-4.7.5 | org.axonframework.common.jdbc | ConnectionWrapperFactory | lambda\$wrap0 | 12 |