

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	Interface	143
9	axon-messaging-4.7.5	Enum	19
10	axon-messaging-4.7.5	Annotation	26
11	axon-modelling-4.7.5	Interface	26
12	axon-modelling-4.7.5	Class	108
13	axon-modelling-4.7.5	Enum	3
14	axon-modelling-4.7.5	Annotation	12
15	axon-configuration-4.7.5	Interface	15
16	axon-configuration-4.7.5	Class	22
17	axon-configuration-4.7.5	Enum	1
18	axon-configuration-4.7.5	Annotation	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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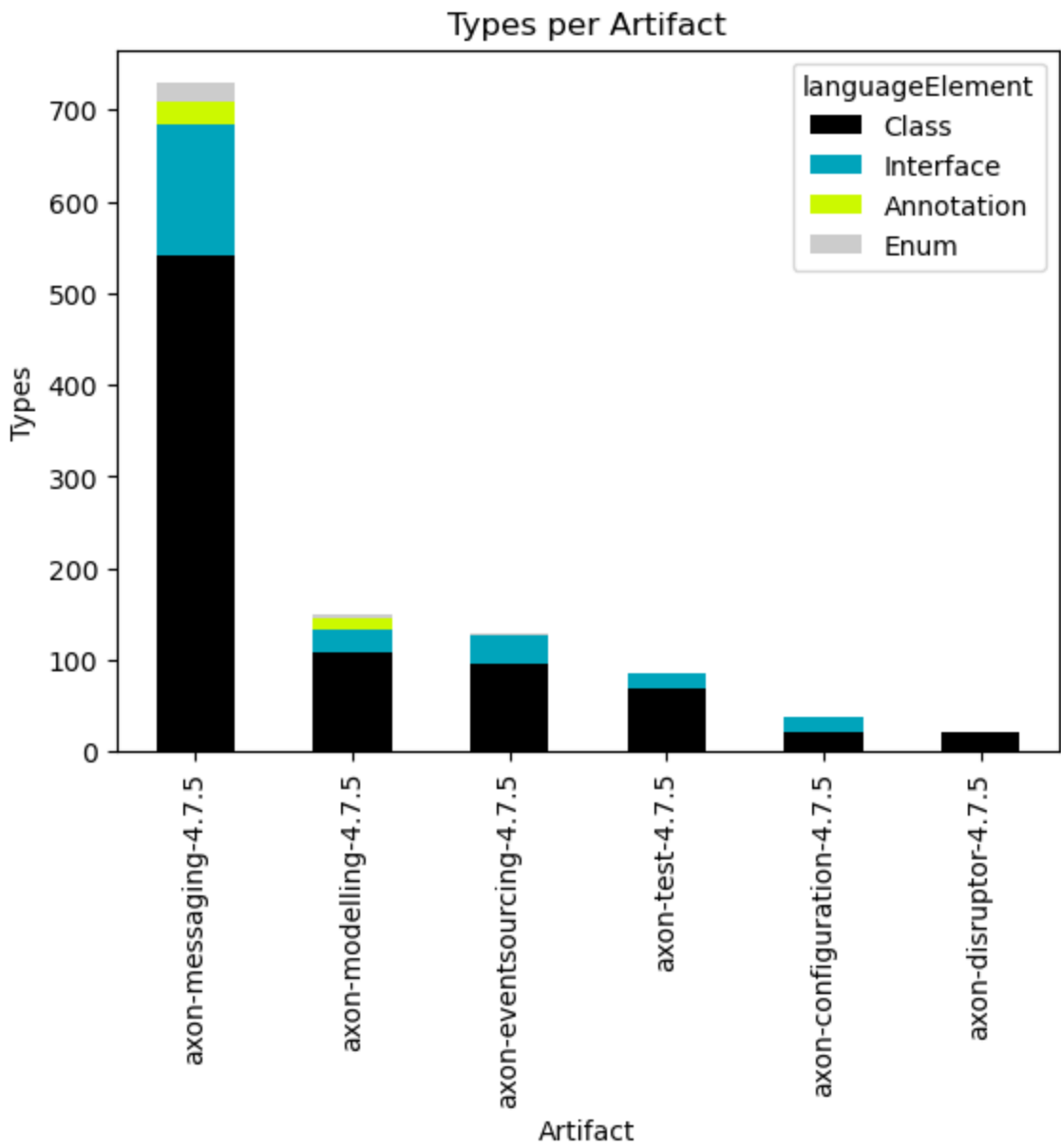


Table 3 - Types per artifact (grouped and normalized in %)

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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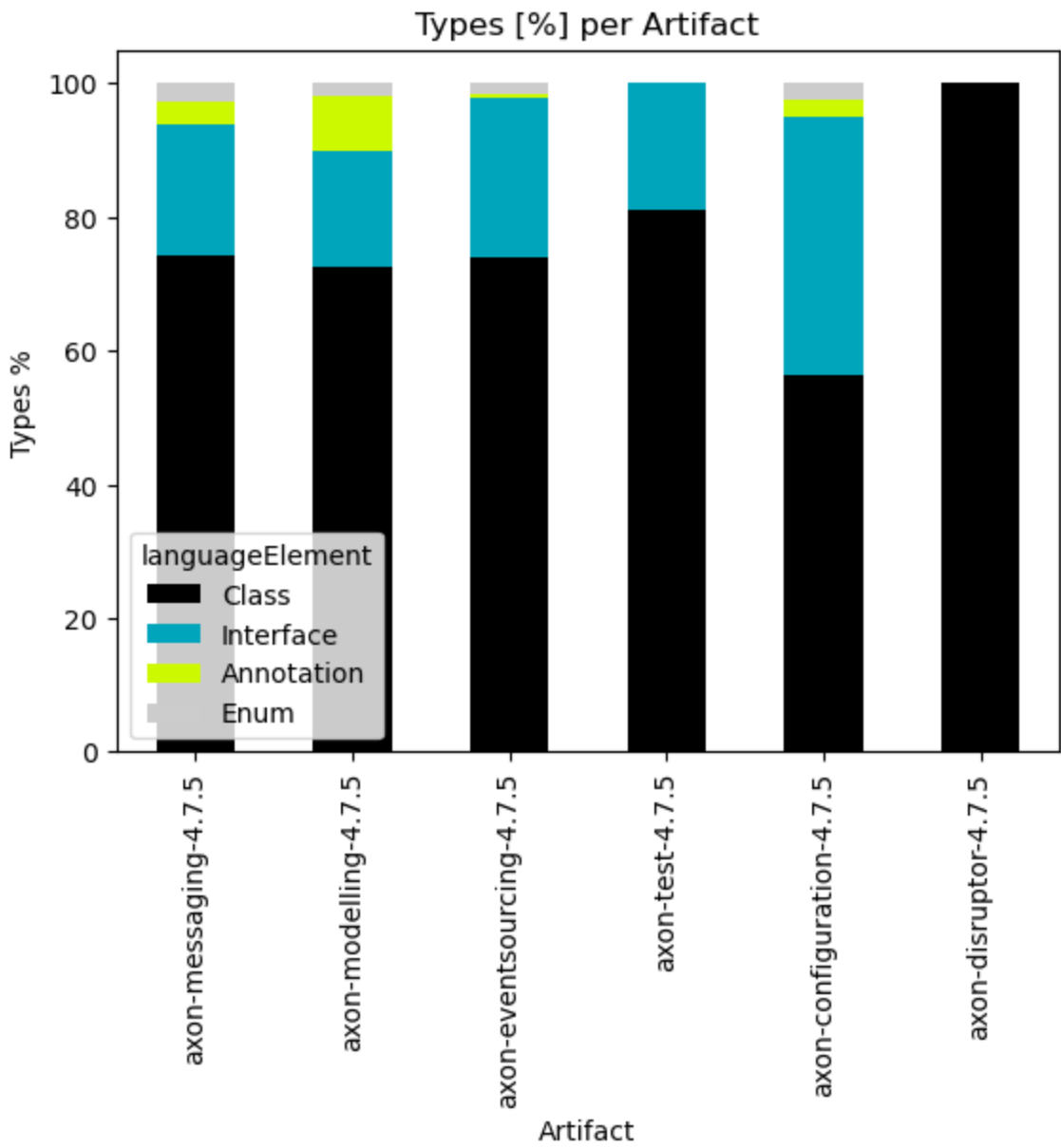
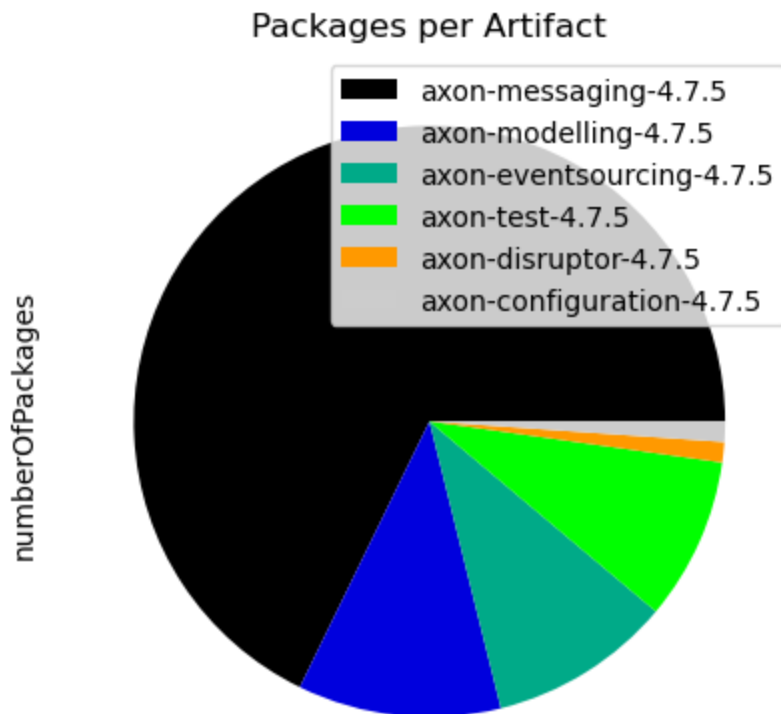


Table 4 - Number of packages per artifact

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	2494	469	236
2	135	30	197	726	132	146
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	22	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	51.936693	49.682203	40.549828
2	23.519164	17.045455	17.542297	15.118701	13.983051	25.085911
3	5.749129	17.045455	10.952805	11.620158	13.665254	8.934708
4	5.749129	3.977273	5.699020	5.122865	5.720339	7.044674
5	2.439024	2.272727	3.561888	4.102457	4.555085	3.436426
6	2.787456	3.409091	2.938557	2.769679	3.813559	2.061856
7	0.348432	1.136364	2.760463	1.936693	2.330508	3.092784
8	1.567944	0.000000	0.979519	1.520200	0.953390	1.718213
9	1.393728	1.704545	1.513802	1.353603	0.741525	1.546392
10	0.696864	1.704545	0.712378	0.791337	0.635593	0.859107

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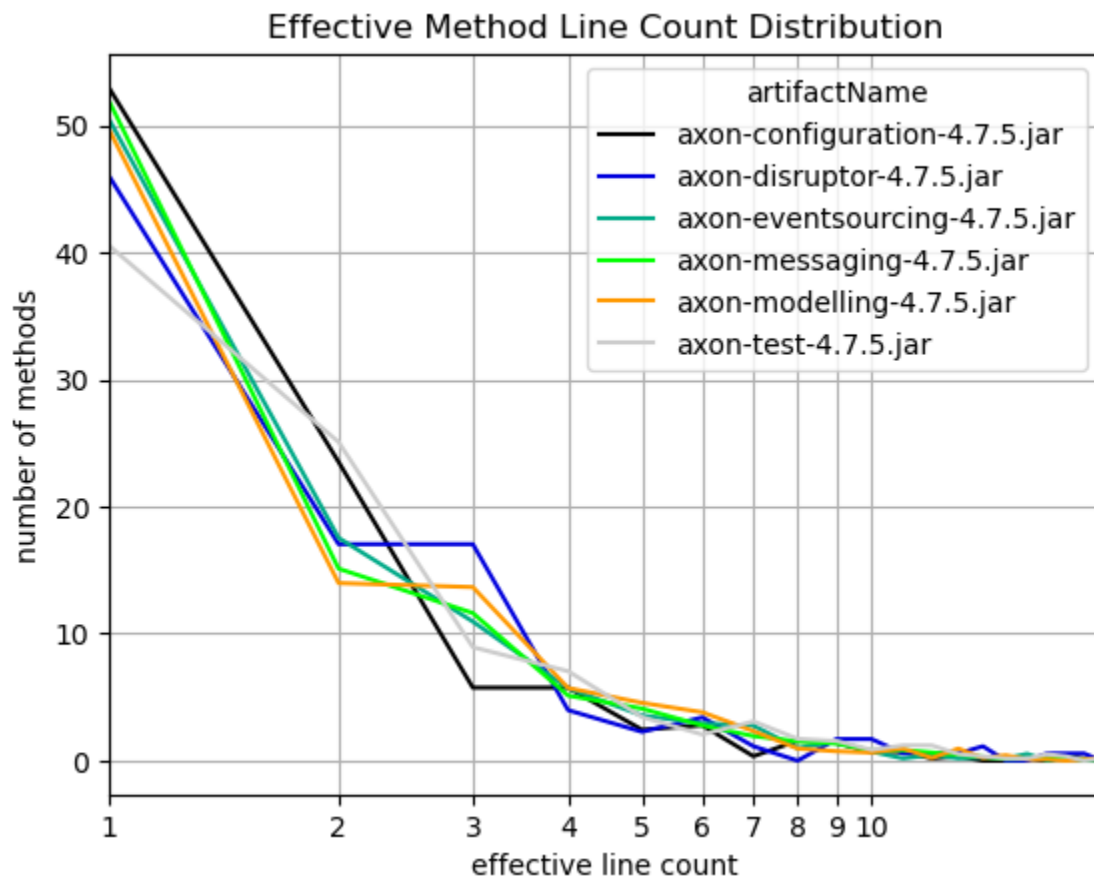


Table 7 - Cyclomatic method complexity distribution

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	782	432
2	37	18	92	410	70	55
3	13	4	54	266	34	44
4	3	4	24	129	24	21
5	3	2	9	65	18	12
6	1	2	3	43	10	7
7	2	1	7	19	2	4
8	0	2	7	10	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	79.779259	82.838983	74.226804
2	6.445993	10.227273	8.192342	8.538109	7.415254	9.450172
3	2.264808	2.272727	4.808549	5.539359	3.601695	7.560137
4	0.522648	2.272727	2.137133	2.686381	2.542373	3.608247
5	0.522648	1.136364	0.801425	1.353603	1.906780	2.061856
6	0.174216	1.136364	0.267142	0.895460	1.059322	1.202749
7	0.348432	0.568182	0.623330	0.395668	0.211864	0.687285
8	0.000000	1.136364	0.623330	0.208247	0.105932	0.515464
9	0.000000	0.000000	0.000000	0.145773	0.211864	0.171821
10	0.000000	0.000000	0.000000	0.083299	0.000000	0.171821

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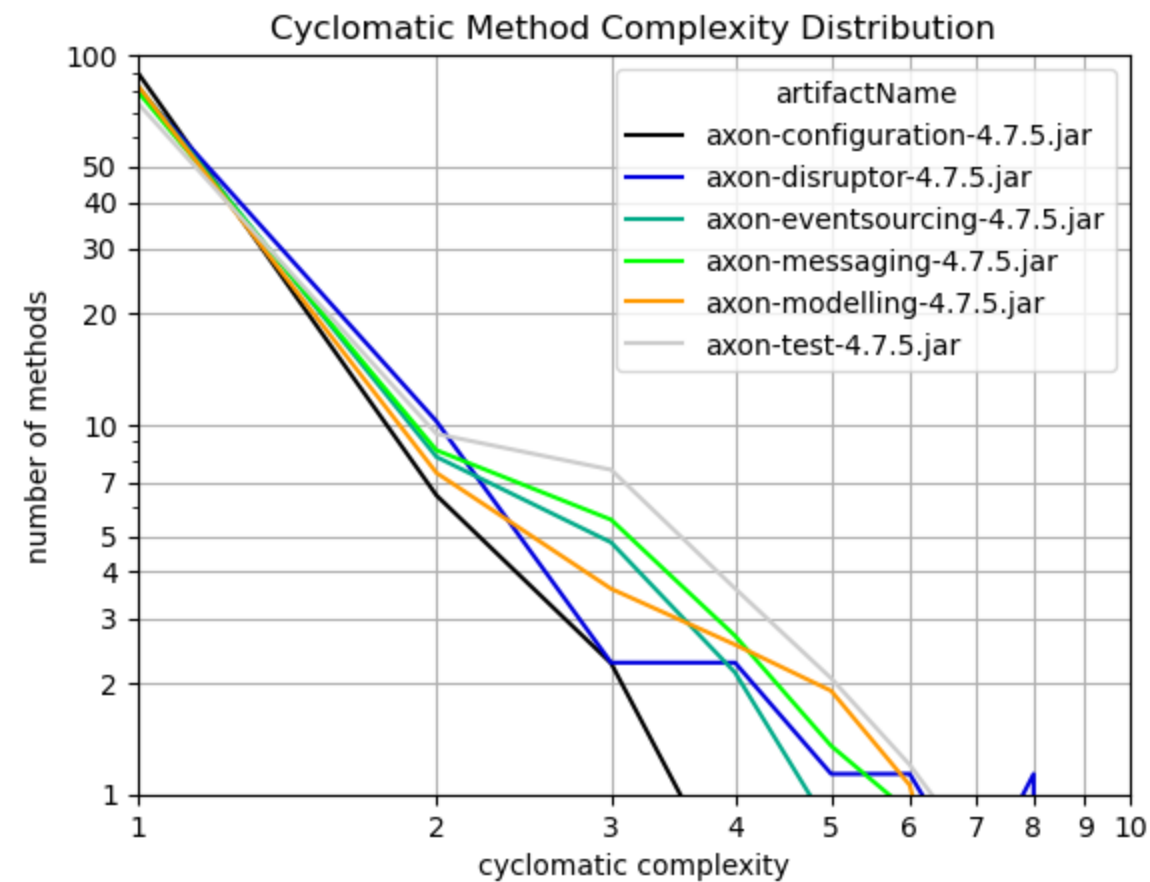


Table 9 - Top 10 packages with highest effective line counts

	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	694	284	13	resolveTarget
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	lambdawrap0	12