

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	Interface	26
13	axon-modelling-4.7.5	Annotation	12
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	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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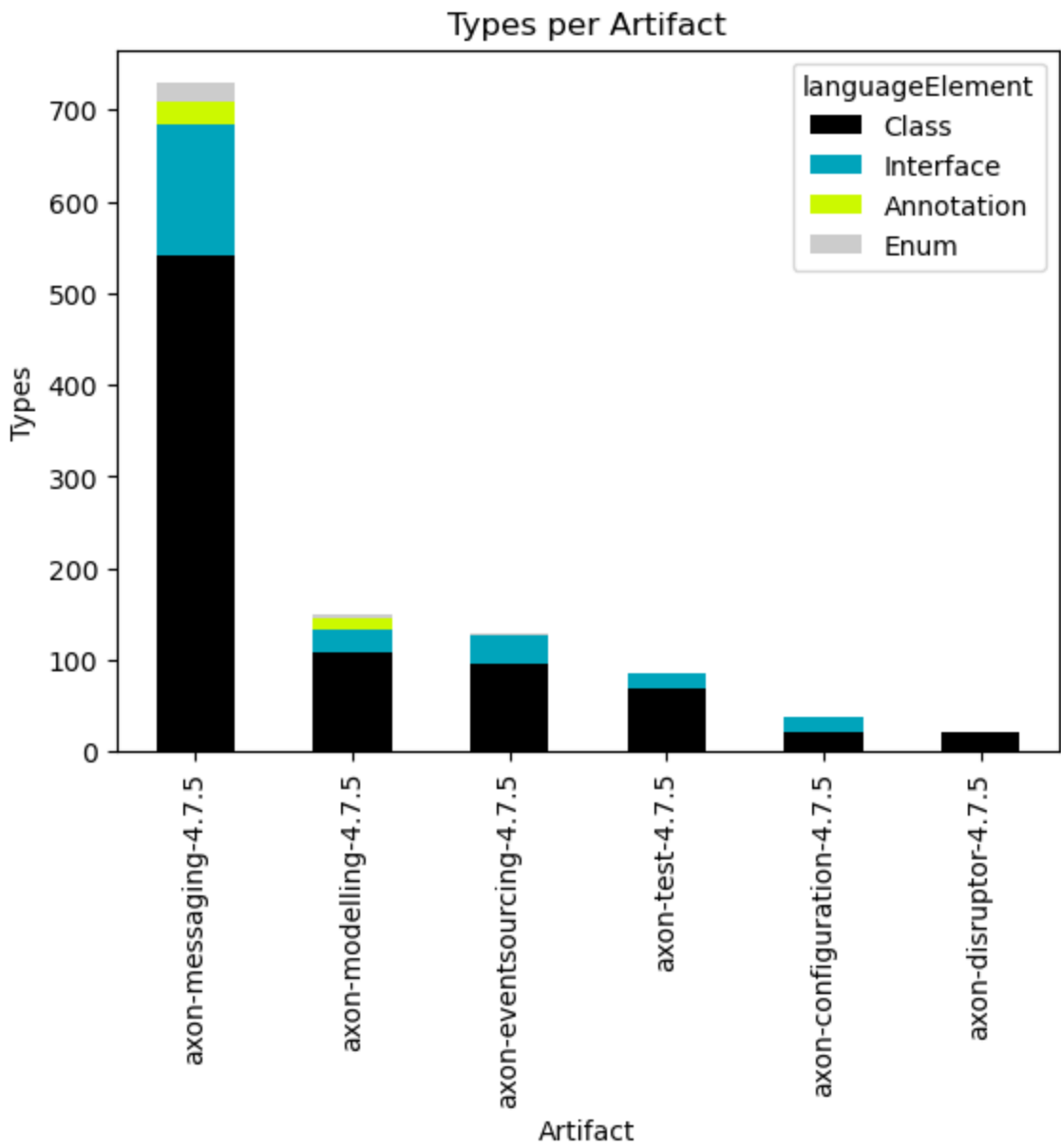


Table 3 - Types per artifact (grouped and normalized in %)

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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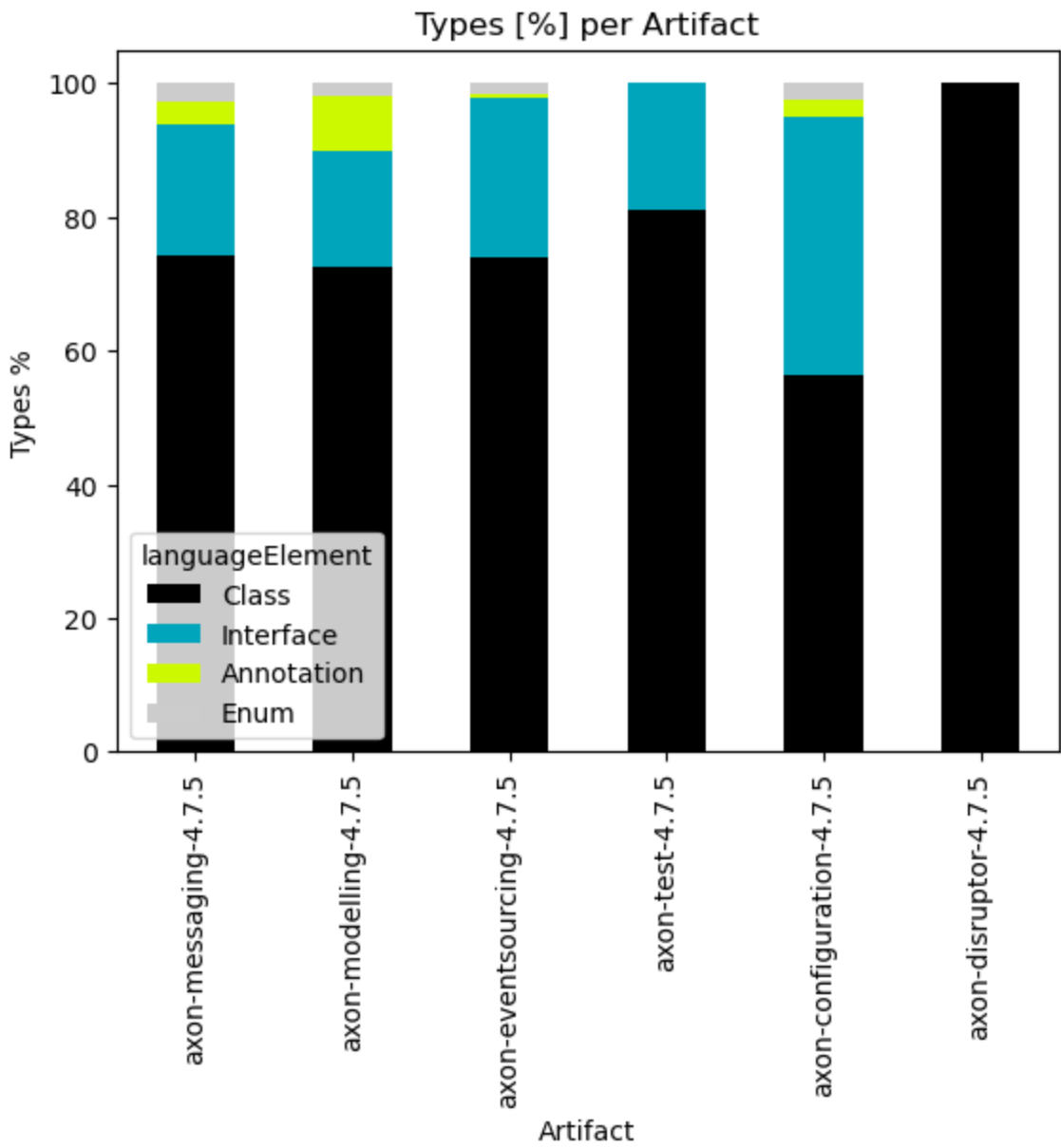
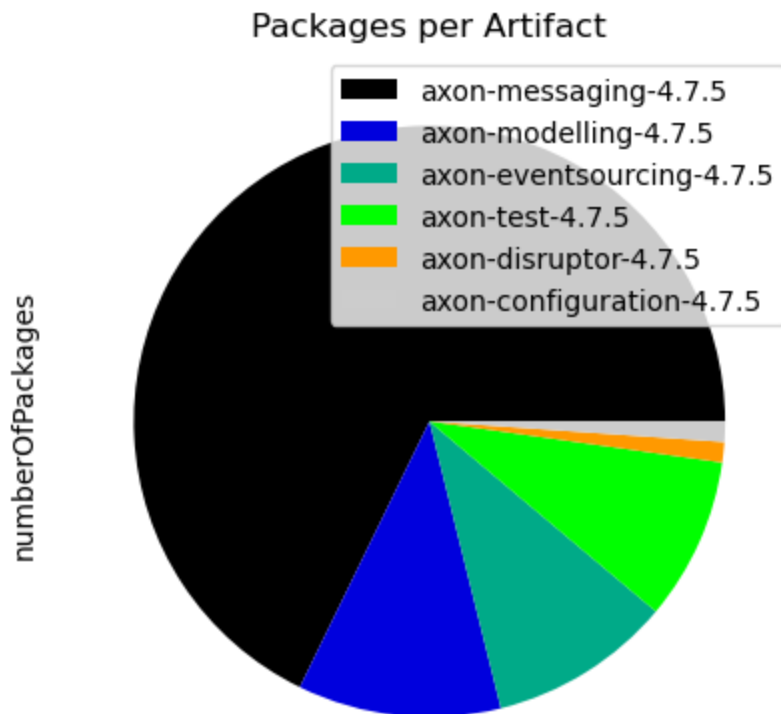


Table 4 - Number of packages per artifact

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	300	81	567	2442	507	236
2	134	30	197	716	141	146
3	32	30	123	550	134	52
4	32	7	64	241	56	41
5	14	4	40	197	48	20
6	16	6	33	132	38	12
7	2	2	31	89	24	18
8	9	0	11	70	11	10
9	8	3	17	65	8	9
10	4	3	8	35	7	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	52.910053	46.022727	50.489760	51.825127	50.000000	40.549828
2	23.633157	17.045455	17.542297	15.195246	13.905325	25.085911
3	5.643739	17.045455	10.952805	11.672326	13.214990	8.934708
4	5.643739	3.977273	5.699020	5.114601	5.522682	7.044674
5	2.469136	2.272727	3.561888	4.180815	4.733728	3.436426
6	2.821869	3.409091	2.938557	2.801358	3.747535	2.061856
7	0.352734	1.136364	2.760463	1.888795	2.366864	3.092784
8	1.587302	0.000000	0.979519	1.485569	1.084813	1.718213
9	1.410935	1.704545	1.513802	1.379457	0.788955	1.546392
10	0.705467	1.704545	0.712378	0.742784	0.690335	0.859107

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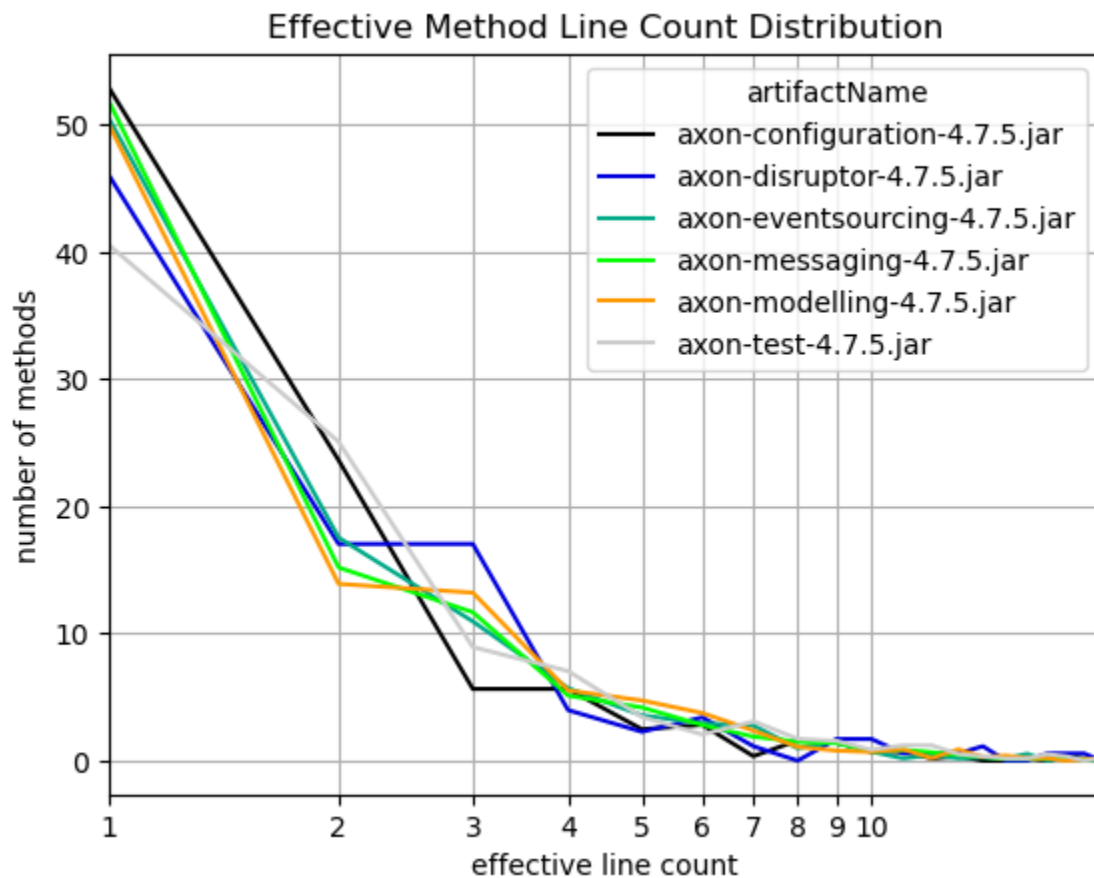


Table 7 - Cyclomatic method complexity distribution

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	509	143	926	3762	835	432
2	36	18	92	402	75	55
3	13	4	54	256	37	44
4	3	4	24	127	28	21
5	3	2	9	65	22	12
6	1	2	3	43	11	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	89.770723	81.250000	82.457703	79.838710	82.347140	74.226804
2	6.349206	10.227273	8.192342	8.531409	7.396450	9.450172
3	2.292769	2.272727	4.808549	5.432937	3.648915	7.560137
4	0.529101	2.272727	2.137133	2.695246	2.761341	3.608247
5	0.529101	1.136364	0.801425	1.379457	2.169625	2.061856
6	0.176367	1.136364	0.267142	0.912564	1.084813	1.202749
7	0.352734	0.568182	0.623330	0.403226	0.197239	0.687285
8	0.000000	1.136364	0.623330	0.212224	0.098619	0.515464
9	0.000000	0.000000	0.000000	0.148557	0.197239	0.171821
10	0.000000	0.000000	0.000000	0.084890	0.000000	0.171821

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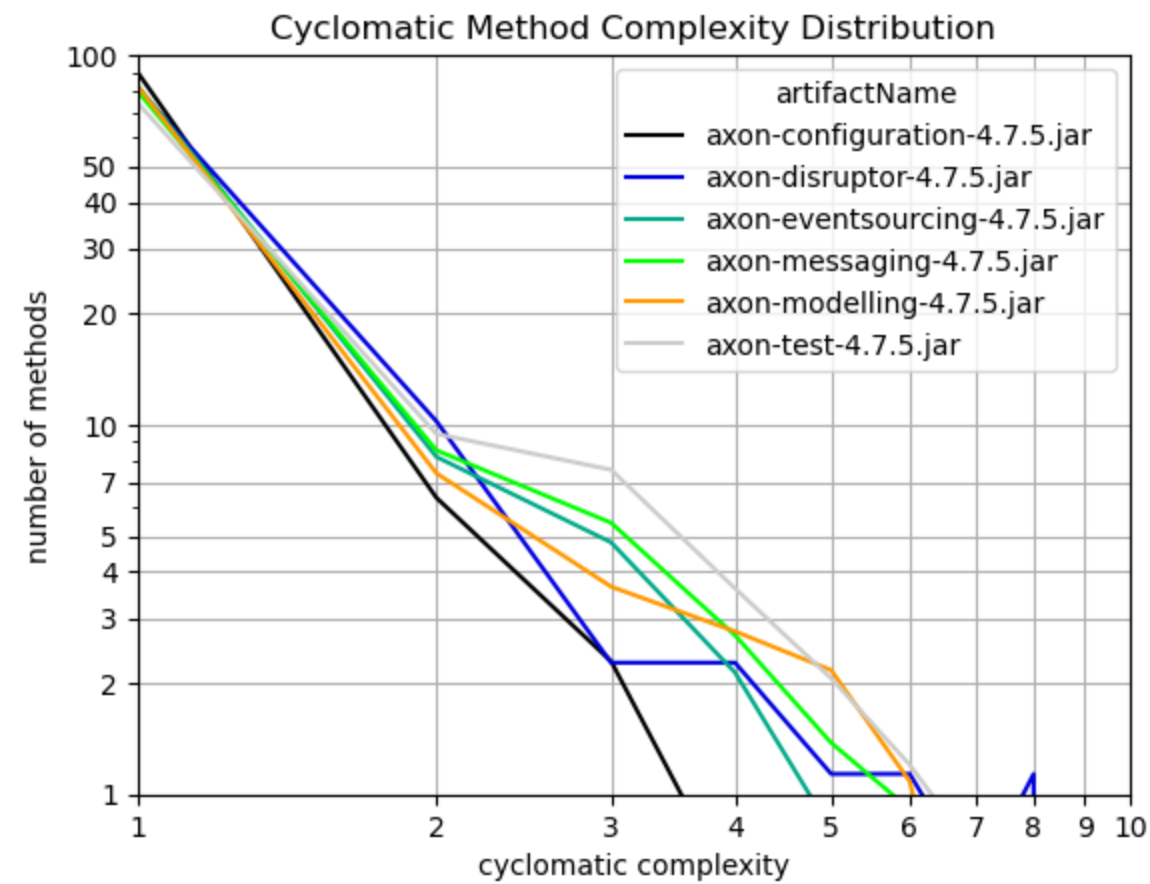


Table 9 - Top 10 packages with highest effective line counts

	artifactName	fullPackageName	linesInPackage	methodCount	maxLinesMethod	maxLinesMethodName
0	axon-messaging-4.7.5	org.axonframework.eventhandling	2162	774	64	processBatch
1	axon-configuration-4.7.5	org.axonframework.config	1461	567	42	<init>
2	axon-messaging-4.7.5	org.axonframework.eventhandling.pooled	939	308	70	run
3	axon-modelling-4.7.5	org.axonframework.modelling.command	782	313	17	lambdaInitializeHandler7
4	axon-eventsourcing-4.7.5	org.axonframework.eventsourcing.eventstore	709	262	21	peekPrivateStream
5	axon-messaging-4.7.5	org.axonframework.messaging.annotation	673	239	23	<init>
6	axon-modelling-4.7.5	org.axonframework.modelling.command.inspection	637	218	26	inspectFieldsAndMethods
7	axon-test-4.7.5	org.axonframework.test.aggregate	633	170	45	appendEventOverview
8	axon-messaging-4.7.5	org.axonframework.queryhandling	628	274	14	subscribe
9	axon-eventsourcing-4.7.5	org.axonframework.eventsourcing	582	236	20	doScheduleSnapshot

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-messaging-4.7.5	org.axonframework.deadline.quartz	DeadlineJob	execute	42
5	axon-configuration-4.7.5	org.axonframework.config	EventProcessingModule	<init>	42
6	axon-modelling-4.7.5	org.axonframework.modelling.saga.repository.jdbc	JdbcSagaStore	updateSaga	38
7	axon-messaging-4.7.5	org.axonframework.messaging.deadletter	InMemorySequencedDeadLetterQueue	process	33
8	axon-messaging-4.7.5	org.axonframework.messaging.unitofwork	BatchingUnitOfWork	executeWithResult	32
9	axon-disruptor-4.7.5	org.axonframework.disruptor.commandhandling	DisruptorCommandBus	<init>	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	deserializeLambda	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	deserializeLambda	13
7	axon-messaging-4.7.5	org.axonframework.deadline.jobrunr	JobRunrDeadlineManager	deserializeLambda	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