Overview of Java Artifacts with Neo4j

References

- jqassistant
- py2neo

Artifacts

Table 1 - Types per artifact

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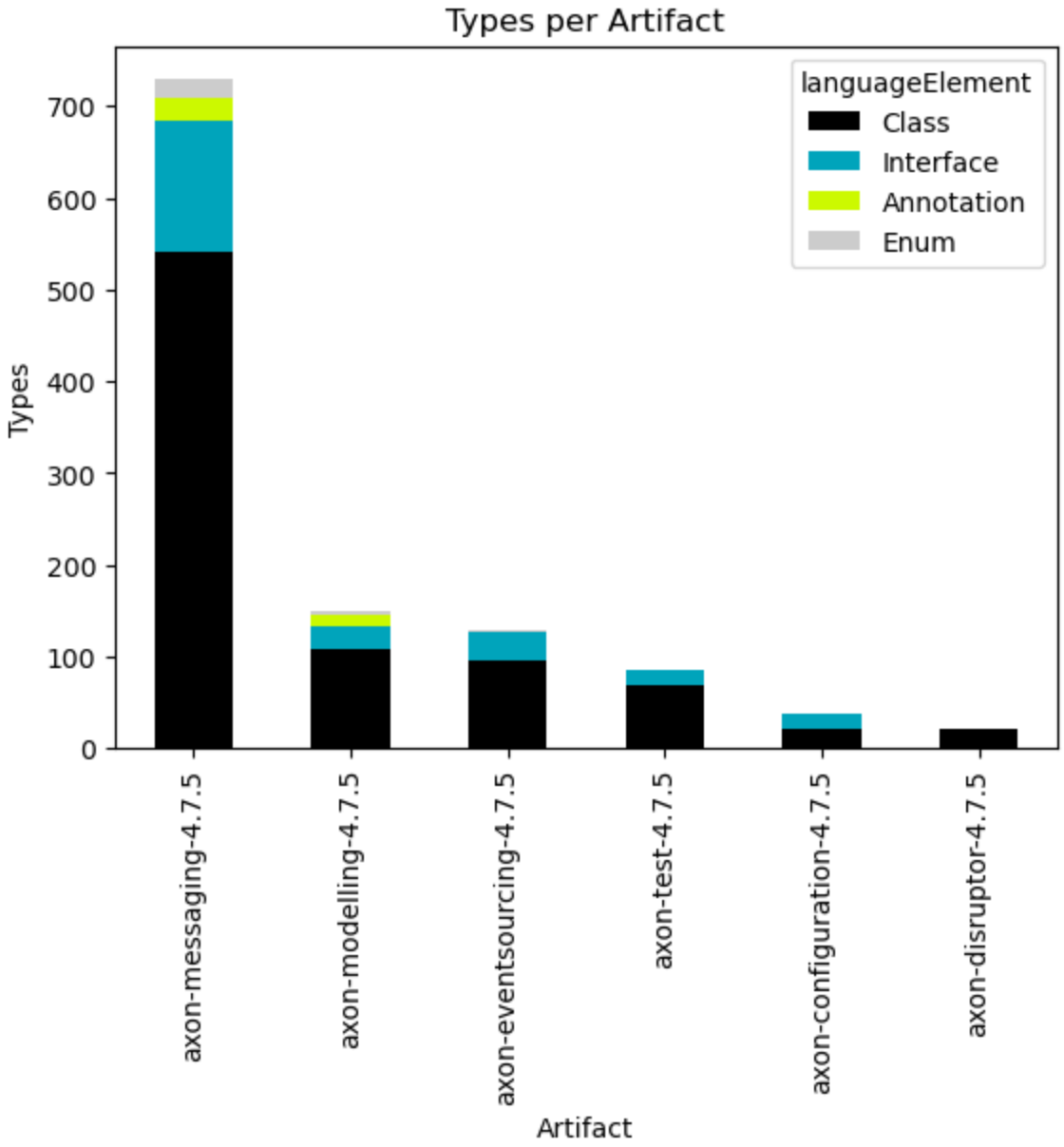

Table 3 - Types per artifact (grouped and normalized in %)

languageElement artifactName	Class	Interface	Annotation	Enum
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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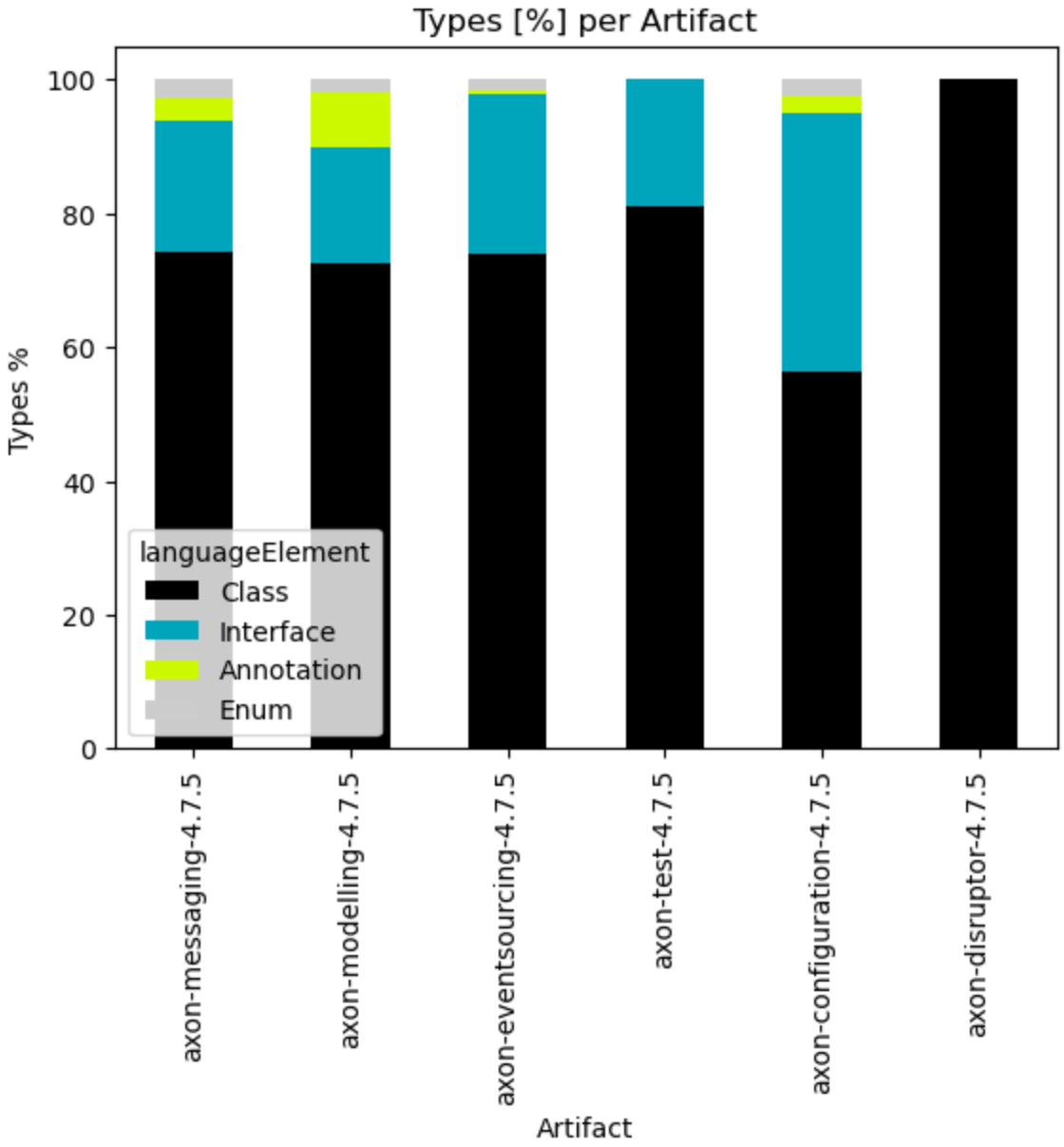

Table 4 - Number of packages per artifact

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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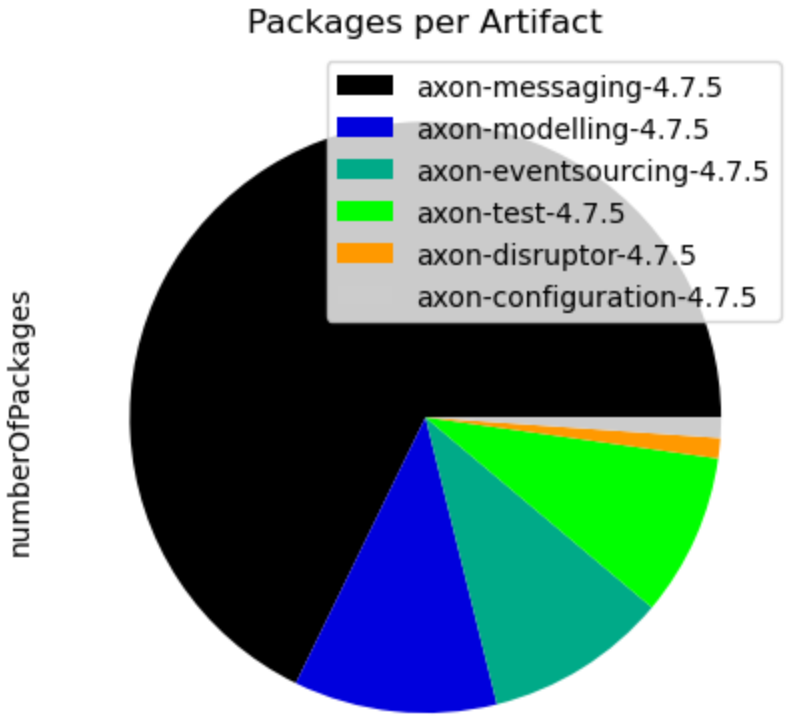

Effective Method Line Count

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 effectiveLineCount	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
1	304	84	560	2477	484	256
2	135	31	197	717	134	138
3	33	30	123	549	130	54
4	33	8	64	240	55	47
5	14	5	39	197	44	23
6	16	6	33	127	36	17
7	2	2	31	91	24	16
8	9	0	11	73	10	10
9	8	4	17	63	7	9
10	4	3	7	37	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 effectiveLineCount	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
1	52.961672	45.652174	50.269300	52.169334	50.000000	41.693811
2	23.519164	16.847826	17.684022	15.101095	13.842975	22.475570
3	5.749129	16.304348	11.041293	11.562763	13.429752	8.794788
4	5.749129	4.347826	5.745063	5.054760	5.681818	7.654723
5	2.439024	2.717391	3.500898	4.149115	4.545455	3.745928
6	2.787456	3.260870	2.962298	2.674810	3.719008	2.768730
7	0.348432	1.086957	2.782765	1.916596	2.479339	2.605863
8	1.567944	0.000000	0.987433	1.537489	1.033058	1.628664
9	1.393728	2.173913	1.526032	1.326874	0.723140	1.465798
10	0.696864	1.630435	0.628366	0.779275	0.619835	0.814332

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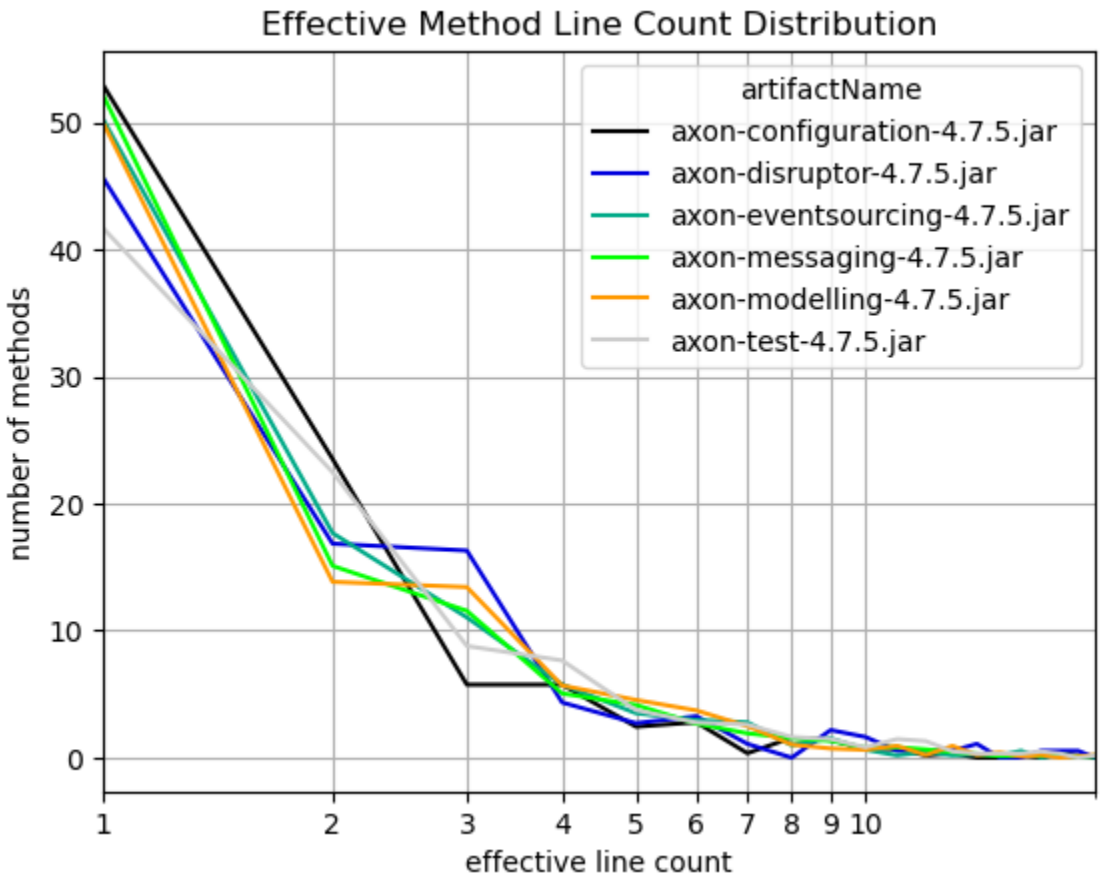

Table 7 - Cyclomatic method complexity distribution

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 cyclomaticComplexity	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
1	515	146	918	3802	802	452
2	37	20	92	403	71	56
3	13	5	54	259	34	53
4	3	4	24	120	25	21
5	3	3	8	64	19	11
6	1	2	3	43	11	8
7	2	2	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 cyclomaticComplexity	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
1	89.721254	79.347826	82.405745	80.075821	82.851240	73.615635
2	6.445993	10.869565	8.258528	8.487784	7.334711	9.120521
3	2.264808	2.717391	4.847397	5.454928	3.512397	8.631922
4	0.522648	2.173913	2.154399	2.527380	2.582645	3.420195
5	0.522648	1.630435	0.718133	1.347936	1.962810	1.791531
6	0.174216	1.086957	0.269300	0.905644	1.136364	1.302932
7	0.348432	1.086957	0.628366	0.400168	0.206612	0.651466
8	0.000000	1.086957	0.628366	0.189553	0.103306	0.488599
9	0.000000	0.000000	0.000000	0.147430	0.206612	0.162866
10	0.000000	0.000000	0.000000	0.084246	0.000000	0.162866

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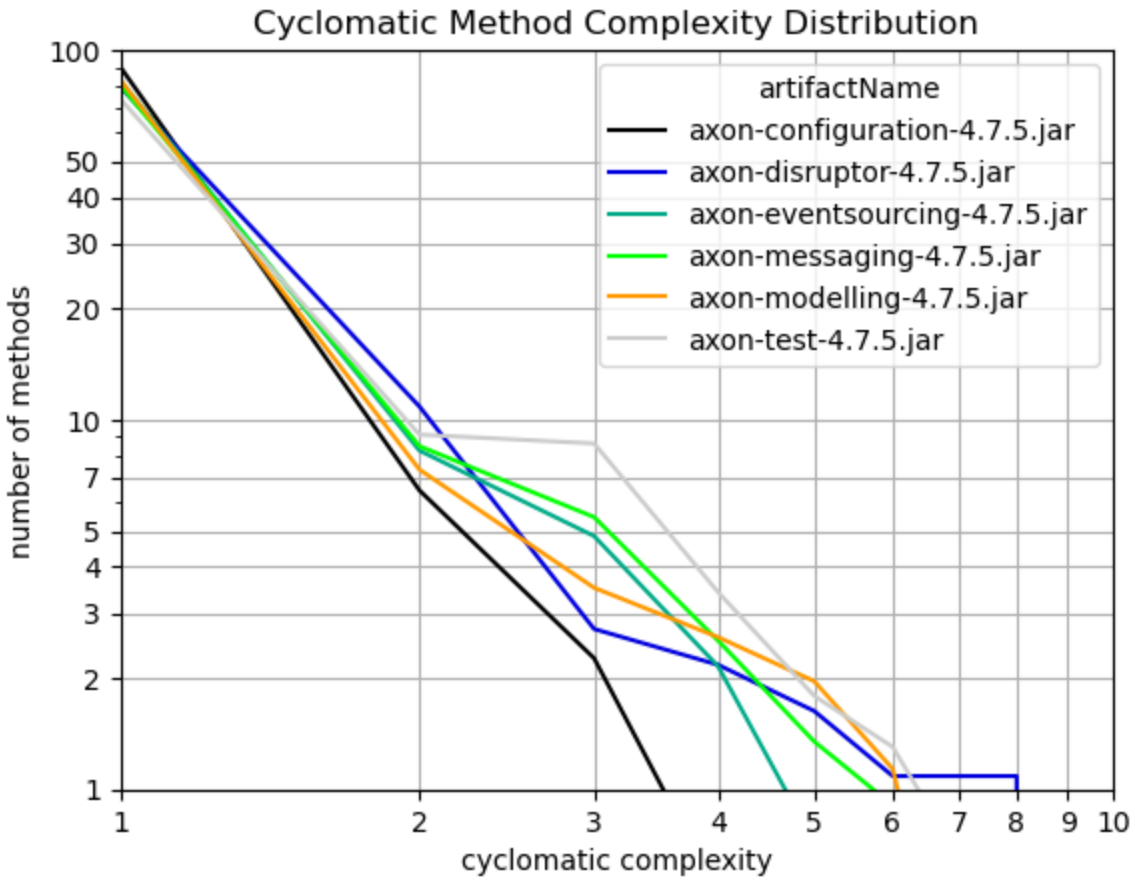

Table 9 - Top 10 packages with highest effective line counts

	artifactName	fullPackageName	linesInPackage	methodCount	maxLinesMethod	maxLinesMethodName
0	axon-messaging-4.7.5	org.axonframework.eventhandling	2187	779	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-test-4.7.5	org.axonframework.test.aggregate	937	249	45	appendEventOverview
4	axon-messaging-4.7.5	org.axonframework.queryhandling	832	333	36	doQuery
5	axon-modelling-4.7.5	org.axonframework.modelling.command	784	315	17	lambda$initializeHandler$7
6	axon-eventsourcing-4.7.5	org.axonframework.eventsourcing.eventstore	709	262	21	peekPrivateStream
7	axon-messaging-4.7.5	org.axonframework.messaging.annotation	659	235	23	<init>
8	axon-disruptor-4.7.5	org.axonframework.disruptor.commandhandling	605	184	32	<init>
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-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.queryhandling	SimpleQueryBus	doQuery	36
8	axon-messaging-4.7.5	org.axonframework.messaging.deadletter	InMemorySequencedDeadLetterQueue	process	33
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-test-4.7.5	org.axonframework.test.aggregate	AggregateTestFixture	ensureValuesEqual	13