# **Internal Dependencies**

## References

- Analyze java package metrics in a graph database
- Calculate metrics
- py2neo

## **Artifacts**

### Table 1

· List all the artifacts this notebook is based on

	artifactName	packages	types
0	axon-eventsourcing-4.8.0.jar	9	130
1	axon-disruptor-4.8.0.jar	1	22
2	axon-messaging-4.8.0.jar	64	762
3	axon-configuration-4.8.0.jar	1	39
4	axon-test-4.8.0.jar	8	87
5	axon-modelling-4.8.0.jar	10	150

# Cyclic Dependencies

Cyclic dependencies occur when one package uses a class of another package and vice versa. These dependencies can lead to a lot of trouble when one of these packages needs to be changed.

### Table 2

· List packages with cyclic dependencies

	packageName	dependentPackageName	forwardToBackwardBalance	numberForward	numberBackward	
0	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	0.882353	16	1	[Qı
1	org.axonframework.eventhandling	org.axonframework.tracing	0.857143	13	1	
2	org.axonframework.eventhandling	org.axonframework.messaging	0.853659	38	3	[.
3	org.axonframework.eventhandling	org.axonframework.messaging.annotation	0.840000	23	2	
4	org.axonframework.queryhandling	org.axonframework.tracing	0.800000	9	1	[S
5	org.axonframework.eventsourcing	org. ax on framework. events our cing. events to re	0.777778	16	2	
6	org.axonframework.deadline	org.axonframework.tracing	0.750000	7	1	
7	org.axonframework.commandhandling.callbacks	org.axonframework.commandhandling	0.733333	13	2	[F
8	org.axonframework.commandhandling	org.axonframework.tracing	0.666667	5	1	
9	org.axonframework.eventhandling	org.axonframework.serialization	0.647059	14	3	
10	org. ax on framework. messaging. unit of work	org.axonframework.messaging	0.647059	14	3	[E)
11	org.axonframework.eventhandling.async	org.axonframework.eventhandling	0.538462	10	3	
12	org.axonframework.eventhandling.replay	org.axonframework.eventhandling	0.454545	8	3	[Re
13	org. ax on framework. serialization. upcasting. event	org.axonframework.eventhandling	0.333333	6	3	
14	org.axonframework.eventsourcing.eventstore.jdbc	org. ax on framework. events our cing. events to re. jdb	0.317073	27	14	
15	org.axonframework.modelling.command.inspection	org.axonframework.modelling.command	0.250000	20	12	[Ch
16	org. ax on framework. query handling. registration	org.axonframework.queryhandling	0.250000	5	3	[Lc
17	org.axonframework.messaging	org.axonframework.serialization	0.238095	13	8	
18	org.axonframework.eventhandling	org. ax on framework. even than dling. to ken store	0.230769	8	5	[]
19	org.axonframework.messaging.annotation	org.axonframework.messaging.interceptors	0.200000	3	2	[
20	org.axonframework.modelling.saga	org.axonframework.modelling.saga.metamodel	0.142857	4	3	
21	org. ax on framework. command handling. distributed	org.axonframework.commandhandling.distributed	0.076923	7	6	

# Table 3

• List packages with cyclic dependencies with every dependency in a separate row sorted by the easiest and most valuable to resolve

	packageName	dependentPackageName	dependency	forwardToBackwardBalance	numberl
0	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	QueryResponseMessage<-	0.882353	
1	org.axonframework.queryhandling	arg avanframouverly massaging responsely nos	ConvertingResponseMessage	0.882353	
2	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes org.axonframework.messaging.responsetypes	QuerySubscription->ResponseType SimpleQueryUpdateEmitter->MultipleInstancesRes	0.882353	
3	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	SimpleQueryUpdateEmitter->OptionalResponseType	0.882353	
4	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	SimpleQueryUpdateEmitter->ResponseType	0.882353	
5	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	SimpleQueryUpdateEmitter->PublisherResponseType	0.882353	
6	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	GenericStreamingQueryMessage->PublisherRespons	0.882353	
7	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	GenericStreamingQueryMessage->ResponseType	0.882353	
8	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	SimpleQueryBus->ResponseType	0.882353	
9	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	QueryGateway->ResponseTypes	0.882353	
10	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	QueryGateway->ResponseType	0.882353	
11	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	SubscriptionQueryMessage->ResponseType	0.882353	
12	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	GenericQueryMessage->ResponseType	0.882353	
13	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	DefaultQueryGateway->ResponseType	0.882353	
14	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	GenericSubscriptionQueryMessage->ResponseType	0.882353	
15	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	StreamingQueryMessage->ResponseType	0.882353	
16	org.axonframework.queryhandling	org.axonframework.messaging.responsetypes	QueryMessage->ResponseType	0.882353	
17	org.axonframework.eventhandling	org.axonframework.tracing	EventMessage<-NestingSpanFactory	0.857143	
18	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventProcessor->Span	0.857143	
19	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventProcessor->SpanFactory	0.857143	
20	org.axonframework.eventhandling	org.axonframework.tracing	SimpleEventBus\$Builder->SpanFactory	0.857143	
21	org.axonframework.eventhandling	org.axonframework.tracing	TrackingEventProcessor->SpanFactory	0.857143	
22	org.axonframework.eventhandling	org.axonframework.tracing	TrackingEventProcessor->Span	0.857143	
23	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventBus\$Builder->SpanFactory	0.857143	
24	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventBus\$Builder->NoOpSpanFactory	0.857143	
25	org.axonframework.eventhandling	org.axonframework.tracing	TrackingEventProcessor\$Builder->SpanFactory	0.857143	
26	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventBus->Span	0.857143	
27	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventBus->SpanFactory	0.857143	
28	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventProcessor\$Builder->SpanFactory	0.857143	
29	org.axonframework.eventhandling	org.axonframework.tracing	AbstractEventProcessor\$Builder->NoOpSpanFactory	0.857143	
30	org.axonframework.eventhandling	org.axonframework.tracing	SubscribingEventProcessor\$Builder->SpanFactory	0.857143	
31	org.axonframework.eventhandling	org.axonframework.messaging	DomainEventMessage<-Headers	0.853659	
32	org.axonframework.eventhandling	org.axonframework.messaging	EventMessage<-Headers	0.853659	
33	org.axonframework.eventhandling	org.axonframework.messaging	TrackingToken<-StreamableMessageSource	0.853659	
34	org.axonframework.eventhandling	org.axonframework.messaging	AbstractEventProcessor->ResultMessage	0.853659	
35	org.axonframework.eventhandling	org.axonframework.messaging	AbstractEventProcessor->MessageHandlerInterceptor	0.853659	
36	org.axonframework.eventhandling	org.axonframework.messaging	AbstractEventProcessor->DefaultInterceptorChain	0.853659	
37	org.axonframework.eventhandling	org.axonframework.messaging	MultiStreamableMessageSource-	0.853659	
			>StreamableMessag		
38	org.axonframework.eventhandling	org.axonframework.messaging	GenericTrackedDomainEventMessage->Message	0.853659	
39	org.axonframework.eventhandling	org.axonframework.messaging	MultiStreamableMessageSource\$IdentifiedStreama	0.853659	
40	org.axonframework.eventhandling	org.axonframework.messaging	TrackingTokenParameterResolverFactory\$Tracking	0.853659	
41	org.axonframework.eventhandling	org.axonframework.messaging	GenericEventMessage->MetaData	0.853659	
42	org.axonframework.eventhandling	org.axonframework.messaging	GenericEventMessage->Message	0.853659	
43	org.axonframework.eventhandling	org.axonframework.messaging	GenericEventMessage->MessageDecorator	0.853659	
44	org.axonframework.eventhandling	org.axonframework.messaging	GenericEventMessage->GenericMessage	0.853659	
45	org.axonframework.eventhandling	org.axonframework.messaging	DomainEventMessage->Message	0.853659	
46	org.axonframework.eventhandling	org.axonframework.messaging	MultiStreamableMessageSource\$Builder->Streamab	0.853659	
47	org.axonframework.eventhandling	org.axonframework.messaging	AnnotationEventHandlerAdapter->Message	0.853659	
48	org.axonframework.eventhandling	org.axonframework.messaging	TrackingEventProcessor->Message	0.853659	
49	org.axonframework.eventhandling	org.axonframework.messaging	TrackingEventProcessor->StreamableMessageSource	0.853659	
50 51	org.axonframework.eventhandling	org.axonframework.messaging	TrackingEventProcessor->InterceptorChain	0.853659	
51	org.axonframework.eventhandling	org.axonframework.messaging	EventProcessor > MessageHandlerInterceptor	0.853659	
52	org.axonframework.eventhandling	org.axonframework.messaging	EventProcessor->MessageHandlerInterceptorSupport	0.853659	

	packageName	dependentPackageName	dependency	forward To Backward Balance	numberl
53	org.axonframework.eventhandling	org.axonframework.messaging	${\it TimestampParameterResolverFactory\$TimestampPar}$	0.853659	
54	org.axonframework.eventhandling	org.axonframework.messaging	$Subscribing {\tt EventProcessor->} Subscribable {\tt Message}$	0.853659	
55	org.axonframework.eventhandling	org.axonframework.messaging	GenericTrackedEventMessage->Message	0.853659	
56	org.axonframework.eventhandling	org.axonframework.messaging	EventMessageHandler->Message	0.853659	
57	org.axonframework.eventhandling	org.axonframework.messaging	EventMessageHandler->MessageHandler	0.853659	
58	org.axonframework.eventhandling	org.axonframework.messaging	ConcludesBatchParameterResolverFactory->Message	0.853659	
59	org.axonframework.eventhandling	org.axonframework.messaging	EventMessage->Message	0.853659	

# **Interface Segregation Candidates**

Well known from Design Principles and Design Patterns by Robert C. Martin, the *Interface Segregation Principle* suggests that software components should have narrow, focused interfaces rather than large, general-purpose ones. The goal is to minimize the dependencies between components and increase modularity, flexibility, and maintainability.

Smaller, focused and purpose-driven interfaces

- make it easier to modify individual components without affecting the rest of the system.
- make it clearer which client is affected by which change.
- don't force their clients to depend on methods they don't need.
- reduce the scope of changes since a change to one component doesn't affect others.
- lead to a more loosely coupled architecture that is easier to understand and maintain.

Reference: Analyze java package metrics in a graph database

## How to apply the results

If just one method of a type is used, especially in many places, then the result of this method can be used to call e.g. a method or constuct an object instead of using the whole object and then just calling that single method.

If there are a couple of methods that are used for a distinct purpose, those could be factored out into a separate interface. The original type can extended/implement the new interface so that there are no breaking changes. Then all the callers, that use only this group of methods, can be changed to the new interface.

#### Table 3

 List top 20 most used combinations of methods of larger Types that might benefit from Interface Segregation

	dependentType.fqn	declaredMethods	calledMethodNames	calledMethods	callerTypes
0	org. ax on framework. command handling. Command Message	9	[getCommandName]	1	18
1	org. ax on framework. eventh and ling. Event Message	9	[getIdentifier, getTimestamp]	2	10
2	org. ax on framework. event handling. Domain Event Mes	10	[getSequenceNumber]	1	9
3	$org. ax on framework. even than dling. Tracked {\sf Event Me}$	10	[trackingToken]	1	8
4	org. ax on framework. eventh and ling. Event Message	9	[getIdentifier]	1	8
5	org. ax on framework. event handling. Domain Event Mes	10	$[{\tt getType}, {\tt getSequenceNumber}, {\tt getAggregateIdent}$	3	6
6	org. ax on framework. messaging. Result Message	9	[isExceptional, exceptionResult]	2	6
7	org. ax on framework. command handling. Generic Comma	14	[asCommandResultMessage]	1	5
8	org. axon framework. dead line. Generic Dead line Message	11	[asDeadlineMessage]	1	5
9	org. ax on framework. messaging. annotation. Wrapped	14	[handle]	1	4
10	$org. ax on framework. even than dling. Tracked {\sf Event Me}$	12	[trackingToken]	1	4
11	org. ax on framework. dead line. Dead line Message	10	[getDeadlineName]	1	4
12	org. ax on framework. eventh and ling. Domain Event Mes	10	[getType]	1	4
13	org. ax on framework. event handling. Domain Event Mes	10	[getAggregateIdentifier]	1	4
14	$org. ax on framework. eventh and ling. Generic {\sf Event Me}$	10	[asEventMessage]	1	4
15	org. ax on framework. common. transaction. No Transac	4	[instance]	1	4
16	org. ax on framework. command handling. Generic Comma	15	[asCommandResultMessage]	1	3
17	org. ax on framework. modelling. command. in spection	13	[type]	1	3
18	org. ax on framework. eventh and ling. Domain Event Mes	11	$[{\tt getType}, {\tt getSequenceNumber}, {\tt getAggregateIdent}$	3	3
19	$org. ax on framework. eventh and ling. Generic {\sf Event Me}$	11	[asEventMessage]	1	3

# Package Usage

# Types that are used by multiple packages

## Table 4

• List the top 20 packages that are used by the highest count of different packages

	dependentType.fqn	dependentType.name	dependentTypeLabels	numberOfUsingPackages
0	org.axonframework.common.BuilderUtils	BuilderUtils	[Type, File, Java, ByteCode, Class]	44
1	org.axonframework.messaging.Message	Message	[Type, File, Java, ByteCode, GenericDeclaratio	39
2	org. ax on framework. common. Ax on Configuration Exce	${\bf Axon Configuration Exception}$	[Type, File, Java, ByteCode, Class]	37
3	org. ax on framework. messaging. Meta Data	MetaData	[Type, File, Java, ByteCode, Class]	33
4	org. ax on framework. eventh and ling. Event Message	EventMessage	[Type, File, Java, ByteCode, GenericDeclaratio	32
5	org. ax on framework. messaging. unit of work. Unit Of Work	UnitOfWork	[Type, File, Java, ByteCode, GenericDeclaratio	31
6	org. ax on framework. serialization. Serializer	Serializer	[Type, File, Java, ByteCode, Interface]	29
7	org.axonframework.common.Assert	Assert	[Type, File, Java, ByteCode, Class]	27
8	org. ax on framework. common. transaction. Transacti	TransactionManager	[Type, File, Java, ByteCode, Interface]	27
9	org. ax on framework. serialization. Serialized Object	SerializedObject	[Type, File, Java, ByteCode, GenericDeclaratio	25
10	$org. ax on framework. serialization. Serialized {\it Type}$	SerializedType	[Type, File, Java, ByteCode, Interface]	24
11	org. ax on framework. messaging. unit of work. Current	CurrentUnitOfWork	[Type, File, Java, ByteCode, Class]	21
12	org. ax on framework. eventh and ling. Domain Event Mes	DomainEventMessage	[Type, File, Java, ByteCode, GenericDeclaratio	18
13	org. ax on framework. common. Ax on Non Transient Excep	Axon Non Transient Exception	[Type, File, Java, ByteCode, Class]	18
14	org. ax on framework. even than dling. Tracking Token	TrackingToken	[Type, File, Java, ByteCode, Interface]	18
15	org. ax on framework. messaging. annotation. Paramet	ParameterResolverFactory	[Type, File, Java, ByteCode, Interface]	18
16	$org. ax on framework. eventh and ling. Generic {\tt Event Me}$	GenericEventMessage	[Type, File, Java, ByteCode, Class, GenericDec	18
17	org.axonframework.common.Registration	Registration	[Type, File, Java, ByteCode, Interface]	17
18	org. ax on framework. serialization. Simple Serializ	SimpleSerializedObject	[Type, File, Java, ByteCode, Class, GenericDec	17
19	org.axonframework.tracing.SpanFactory	SpanFactory	[Type, File, Java, ByteCode, Interface]	16

# Packages that are used by multiple artifacts

## Table 5

• List the top 20 artifacts that only use a few (compared to all existing) packages of another artifact

	artifactName	dependentArtifactName	dependentPackages	dependentArtifactPackages	packageUsagePercentage	dependentFullQualifiedPackageNames
0	axon- disruptor-4.8.0	axon-messaging-4.8.0	9	64	0.140625	[org.axonframework.monitoring, org.axonframewo
1	axon-test- 4.8.0	axon-messaging-4.8.0	10	64	0.156250	[org.axonframework.common, org.axonframework.c
2	axon- eventsourcing- 4.8.0	axon-modelling-4.8.0	2	10	0.200000	[org.axonframework.modelling.command, org.axon
3	axon- disruptor-4.8.0	axon-modelling-4.8.0	2	10	0.200000	[org. axon framework. modelling. command. in spectio
4	axon- disruptor-4.8.0	axon-eventsourcing-4.8.0	2	9	0.222222	[org.axonframework.eventsourcing, org.axonfram
5	axon-test- 4.8.0	axon-eventsourcing-4.8.0	2	9	0.222222	[org.axonframework.eventsourcing.eventstore, o
6	axon- modelling- 4.8.0	axon-messaging-4.8.0	18	64	0.281250	[org.axonframework.eventhandling, org.axonfram
7	axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	20	64	0.312500	[org.axonframework.eventhandling, org.axonfram
8	axon- configuration- 4.8.0	axon-eventsourcing-4.8.0	4	9	0.444444	[org.axonframework.eventsourcing.snapshotting,
9	axon-test- 4.8.0	axon-modelling-4.8.0	5	10	0.500000	[org.axonframework.modelling.saga, org.axonfra
10	axon- configuration- 4.8.0	axon-messaging-4.8.0	34	64	0.531250	[org.axonframework.common.jdbc, org.axonframew
11	axon- configuration- 4.8.0	axon-modelling-4.8.0	6	10	0.600000	[org.axonframework.modelling.command, org.axon
12	axon- modelling- 4.8.0	axon-modelling-4.8.0	6	10	0.600000	[org.axonframework.modelling.saga, org.axonfra
13	axon-test- 4.8.0	axon-test-4.8.0	5	8	0.625000	[org.axonframework.test, org.axonframework.tes
14	axon- messaging- 4.8.0	axon-messaging-4.8.0	41	64	0.640625	[org.axonframework.common, org.axonframework.e
15	axon- eventsourcing- 4.8.0	axon-eventsourcing-4.8.0	7	9	0.777778	[org.axonframework.eventsourcing.eventstore, o
16	axon- configuration- 4.8.0	axon-disruptor-4.8.0	1	1	1.000000	[org.axonframework.disruptor.commandhandling]

# Packages that are used by multiple artifacts

## Table 6

• List the top 20 packages that only use a few (compared to all existing) types of another package

artifactName	dependentArtifactName	packageName	dependentPackage.fqn	dependentTypes	dependentPackageTy
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org.axonframework.eventsourcing.snapshotting	org.axonframework.eventhandling	1	
axon- modelling- 4.8.0	axon-messaging-4.8.0	org.axonframework.modelling.saga.metamodel	org.axonframework.eventhandling	1	
axon-test- 4.8.0	axon-messaging-4.8.0	org.axonframework.test.matchers	org.axonframework.eventhandling	1	
axon- eventsourcing- 4.8.0	axon-modelling-4.8.0	org. ax on framework. events our cing. conflict resolu	org.axonframework.modelling.command	1	
axon- eventsourcing- 4.8.0	axon-modelling-4.8.0	org.axonframework.eventsourcing.eventstore.jdbc	org.axonframework.modelling.command	1	
axon-test- 4.8.0	axon-messaging-4.8.0	org.axonframework.test.eventscheduler	org.axonframework.eventhandling	2	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org. ax on framework. events our cing. conflict resolu	org.axonframework.eventhandling	2	
axon- modelling- 4.8.0	axon-messaging-4.8.0	org.axonframework.modelling.command.legacyjpa	org.axonframework.eventhandling	2	
axon- modelling- 4.8.0	axon-messaging-4.8.0	org.axonframework.modelling.command	org.axonframework.eventhandling	2	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org.axonframework.eventsourcing.eventstore	org.axonframework.messaging	1	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org. ax on framework. events our cing. conflict resolu	org.axonframework.messaging	1	
axon-test- 4.8.0	axon-messaging-4.8.0	org.axonframework.test.matchers	org.axonframework.messaging	1	
axon-test- 4.8.0	axon-messaging-4.8.0	org.axonframework.test	org.axonframework.messaging	1	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org.axonframework.eventsourcing.eventstore.jdbc	org.axonframework.serialization	1	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org.axonframework.eventsourcing.eventstore.jpa	org.axonframework.serialization	1	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org. ax on framework. events our cing. events to re.leg	org.axonframework.serialization	1	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org. axon framework. events our cing. events to re. jdb	org.axonframework.eventhandling	3	
axon-test- 4.8.0	axon-modelling-4.8.0	org.axonframework.test.utils	org.axonframework.modelling.saga	1	
axon-test- 4.8.0	axon-messaging-4.8.0	org.axonframework.test.matchers	org.axonframework.commandhandling	1	
axon- eventsourcing- 4.8.0	axon-messaging-4.8.0	org.axonframework.eventsourcing.conflictresolu	org.axonframework.commandhandling	1	
	eventsourcing- 4.8.0  axon-test- 4.8.0  axon-test- 4.8.0  axon-test- 4.8.0  axon-test- 4.8.0  axon-test- 4.8.0  axon-test- 4.8.0  axon- eventsourcing- 4.8.0  axon-test- 4.8.0  axon- eventsourcing- 4.8.0	eventsourcing- 4.8.0 axon-messaging-4.8.0 axon-test- 4.8.0 axon-messaging-4.8.0 axon-modelling- 4.8.0 axon-messaging-4.8.0 axon-modelling- 4.8.0 axon-messaging-4.8.0 axon-modelling- 4.8.0 axon-messaging-4.8.0 axon-messaging-4.8.0 axon-test- 4.8.0 axon-messaging-4.8.0	eventsourcing- 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.snapshotting  axon-modelling-4.8.0 axon-messaging-4.8.0 org.axonframework.modelling.saga.metamodel 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.modelling.command.legacyjpa 4.8.0 axon-messaging-4.8.0 org.axonframework.modelling.command. 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jpa 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jdb 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jpa 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jpa 4.8.0 axon-mes	eventsourcing- 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.snapshotting org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.modelling.saga.metamodel 4.8.0 axon-messaging-4.8.0 org.axonframework.test.matchers org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu org.axonframework.modelling.command 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jdbc org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jdbc org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.conflictresolu org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.modelling.command org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.modelling.command org.axonframework.eventhandling 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore.jdbc org.axonframework.messaging 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore.jdbc org.axonframework.eventsourcing.eventsore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore.jdbc org.axonframework.eventsourcing.eventsore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore.jdbc org.axonframework.eventsourcing.eventsore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventstore.jdbc 4.8.0 axon-messaging-4.8.0 org.axonframework.eventsourcing.eventsto	eventsourcing 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.snapshotting org.axonframework.eventhandling 1 4.8.0 axon-messaging 4.8.0 org.axonframework.modelling.saga.metamodel org.axonframework.eventhandling 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.conflictresolu org.axonframework.modelling.command 1 4.8.0 axon-modelling 4.8.0 org.axonframework.eventsourcing.eventstore.jdbc org.axonframework.eventhandling 2 4.8.0 axon-modelling 4.8.0 org.axonframework.eventsourcing.eventstore.jdbc org.axonframework.eventhandling 2 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.conflictresolu org.axonframework.eventhandling 2 4.8.0 axon-messaging 4.8.0 org.axonframework.modelling.command 2 4.8.0 axon-messaging 4.8.0 org.axonframework.modelling.command.epacyjpa 0 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore 0 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbb org.axonframework.messaging 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbc org.axonframework.esentalization 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbc org.axonframework.esentalization 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbc org.axonframework.esentalization 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbc org.axonframework.eventhandling 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbc org.axonframework.eventhandling 1 4.8.0 axon-messaging 4.8.0 org.axonframework.eventsourcing.eventstore.jbc org.axon