Datasheet

Axon Synapse

Bring the power of Axon messaging across languages and platforms

Axon Server empowers customers to run their developed applications using Domain-Driven Design (DDD), Command Query Responsibility Separation (CQRS), Message-Driven Microservices Architecture, and Event Sourcing (ES).

Axon Server has been around for years. We developed Axon Synapse to support more applications, programming languages, frameworks, and platforms.

Connect Axon Server with anything

Axon Synapse makes it possible for all applications, regardless of the language(s), to use HTTP to access and use Axon Server. HTTP is the most commonly used and known protocol supported by many languages and allows for easy access and integration.

- Sending commands/queries/events from any language through Axon Server
- Handling commands/queries/events in any language through Axon Server
- Axon Synapse translates messages
- Axon Synapse keeps track of the last handled event
- Axon Synapse controls the parallel/sequential execution of commands
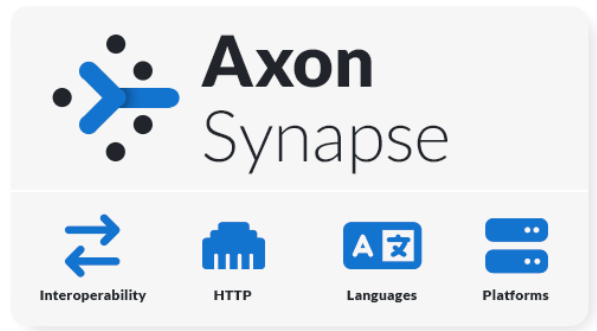
Simplifying interoperability

Axon Synapse prevents the need for a specific connector for each language and is used in different scenarios:

- Axon Synapse will be at its best in a diverse technology landscape with old and new applications.
- Axon Synapse will help with the integration and connectivity moving from a traditional monolith to a distributed microservices environment using Axon Server.
- Axon Synapse helps to connect microservices in "Function as a Service" (FaaS), "Serverless," and "Scale to Zero" environments.

Benefits

- Interoperability
- Scalability
- Simplicity
- Better application integration
- Fully application-driven and language technology agnostic

Feature overview

Messaging
- Payload agnostic, giving your application complete control.
- Unlock features previously only available with Axon Framework:
  - Safe parallel processing
  - Sequential processing guarantees
  - Consistent routing
- Protocol translation
- Concurrency control
- Flow control
- Batching
- Push-based communication
- Load balancer & auto scale friendly
- Keeping the state of connections
- Keeping the state of registered endpoints
- Error checking
  - Authentication
  - Lifecycle of the application
  - Recycling of channels

Management
- Axon Synapse Console
- User-friendly API

Platform support
- Axon Server
- AxonIQ Cloud

Languages and platforms
- Java and other JVM languages
- Amazon Web Services (AWS) Lambda
- Google Cloud Functions
- Microsoft Azure Functions
- Microsoft .Net
- Go
- Node.js
- Python
- PHP
- And others

Protocol support
- HTTP

Pricing
- Free

Resources

Download	Webinar	Podcast
https://hubs.ly/Q01FQsvc0	https://hubs.li/Q01Fzz7x0	https://hubs.li/Q01FNG9K0

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