



Spring Cloud Stream

From Zero To Hero

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Agenda

- Part 1: Demystify The New World
- Part 2: Immerse Yourself
- Part 3: Lab Time!

Spring Cloud Stream



Spring Cloud Stream is a framework for building message-driven microservices. Spring Cloud Stream builds upon Spring Boot to create DevOps friendly microservice applications and Spring Integration to provide connectivity to message brokers. Spring Cloud Stream provides an opinionated configuration of message brokers, introducing the concepts of persistent pub/sub semantics, consumer groups and partitions across several middleware vendors. This opinionated configuration provides the basis to create stream processing applications.

By adding `@EnableBinding` to your main application, you get immediate connectivity to a message broker and by adding `@StreamListener` to a method, you will receive events for stream processing.

QUICK START

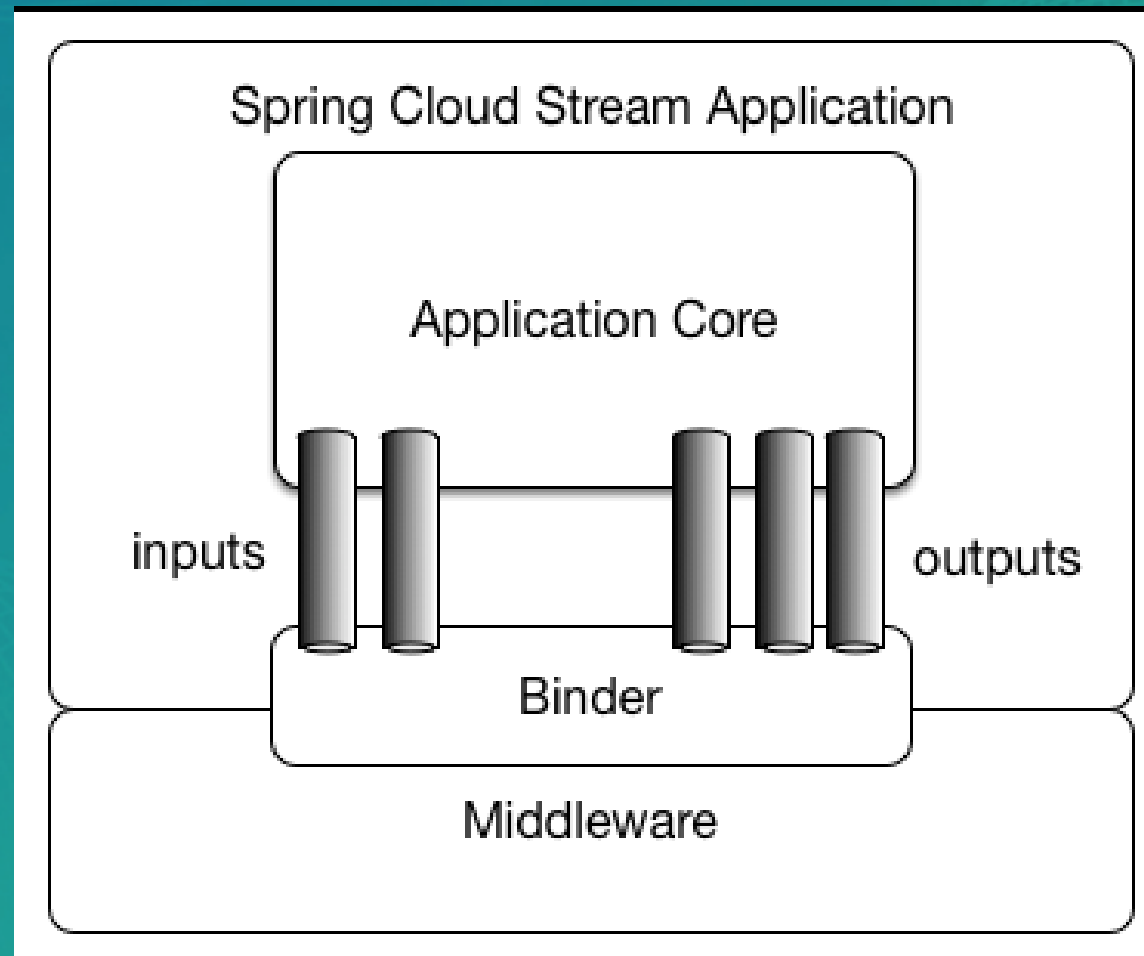
~~Buzzword Bingo~~

Quick Context!

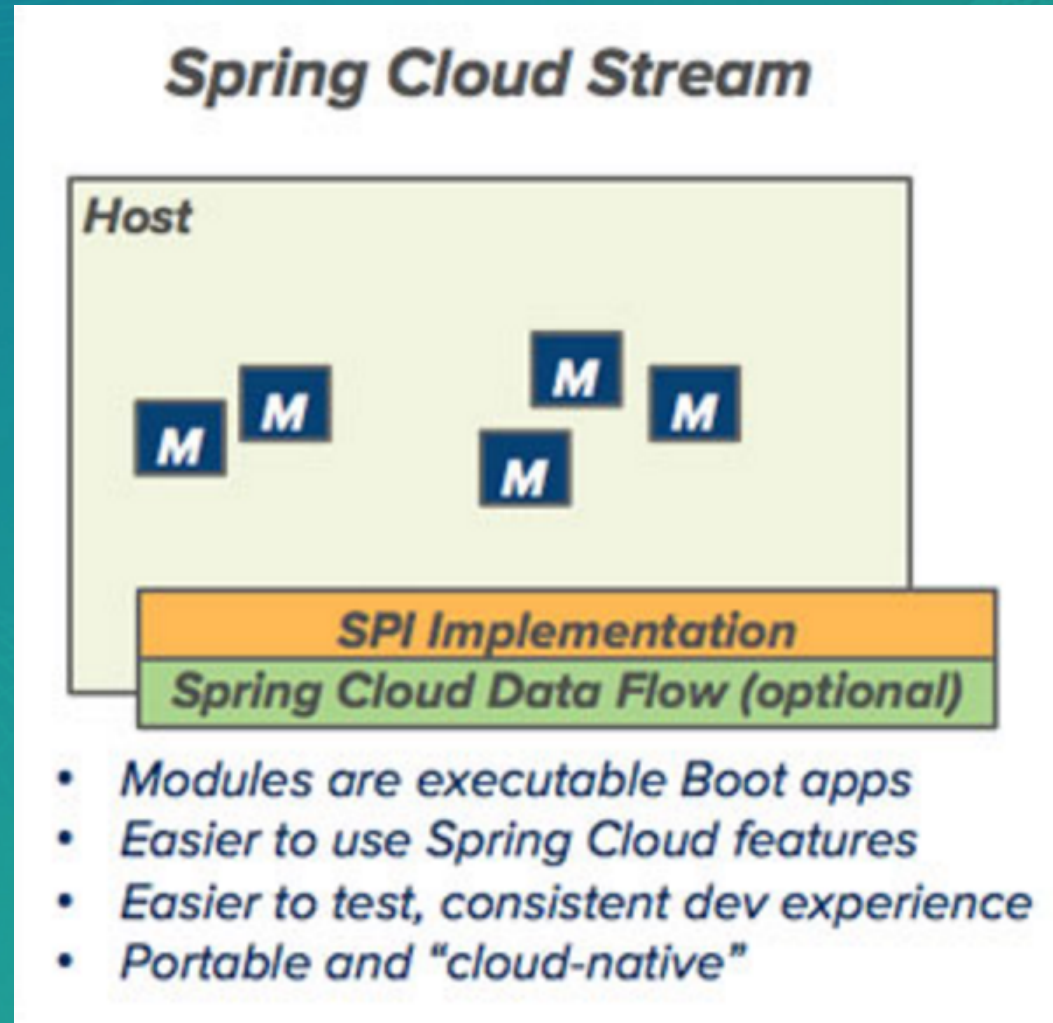
Spring Cloud Stream

Messaging microservices with Redis, Rabbit or Kafka. Simple declarative model to send and receive messages in a Spring Cloud app.

10.000ft View

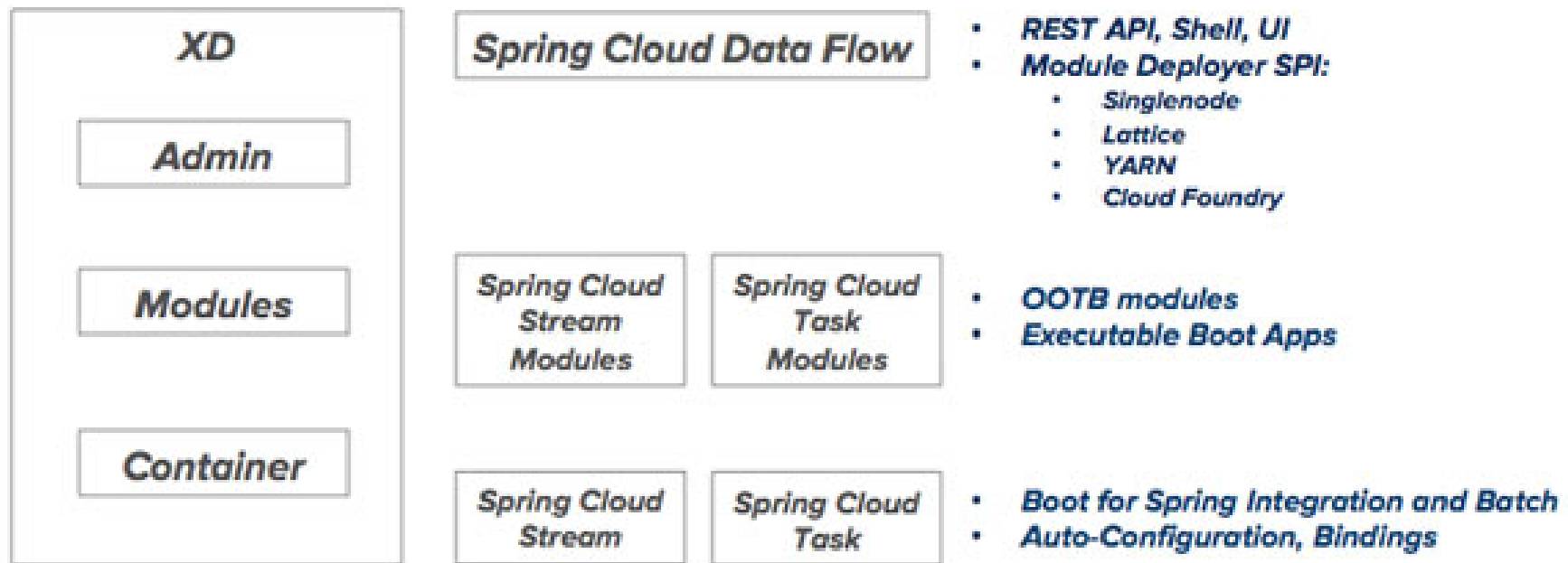


Conceptually



Spring Cloud Stream - Quo Vadis?

From Modules to Microservices



Real World Code - Walkthrough

Hands-On "Twitter Streaming"

Process Twitter Messages In Real-Time

Ingredients

- Project Setup
- Kafka Binder Configuration
- Programming Model
- JSON Processing
- Stream Testing

Recipe

1. **Source:** Ingest Live Twitter Stream
2. **Processor:** Transform Into Domain Message
3. **Sink:** Log Incoming Messages

GOTO <https://goo.gl/qq3Zr7>;

Feedback

Any questions left?

Anyway: Tks for your patience ;)

The End

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