Using a Message Broker
for Point-to-Point Messaging

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SOFTWARE ARCHITECT

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Overview

Split the demo application into frontend and backend

Use a message broker: RabbitMQ

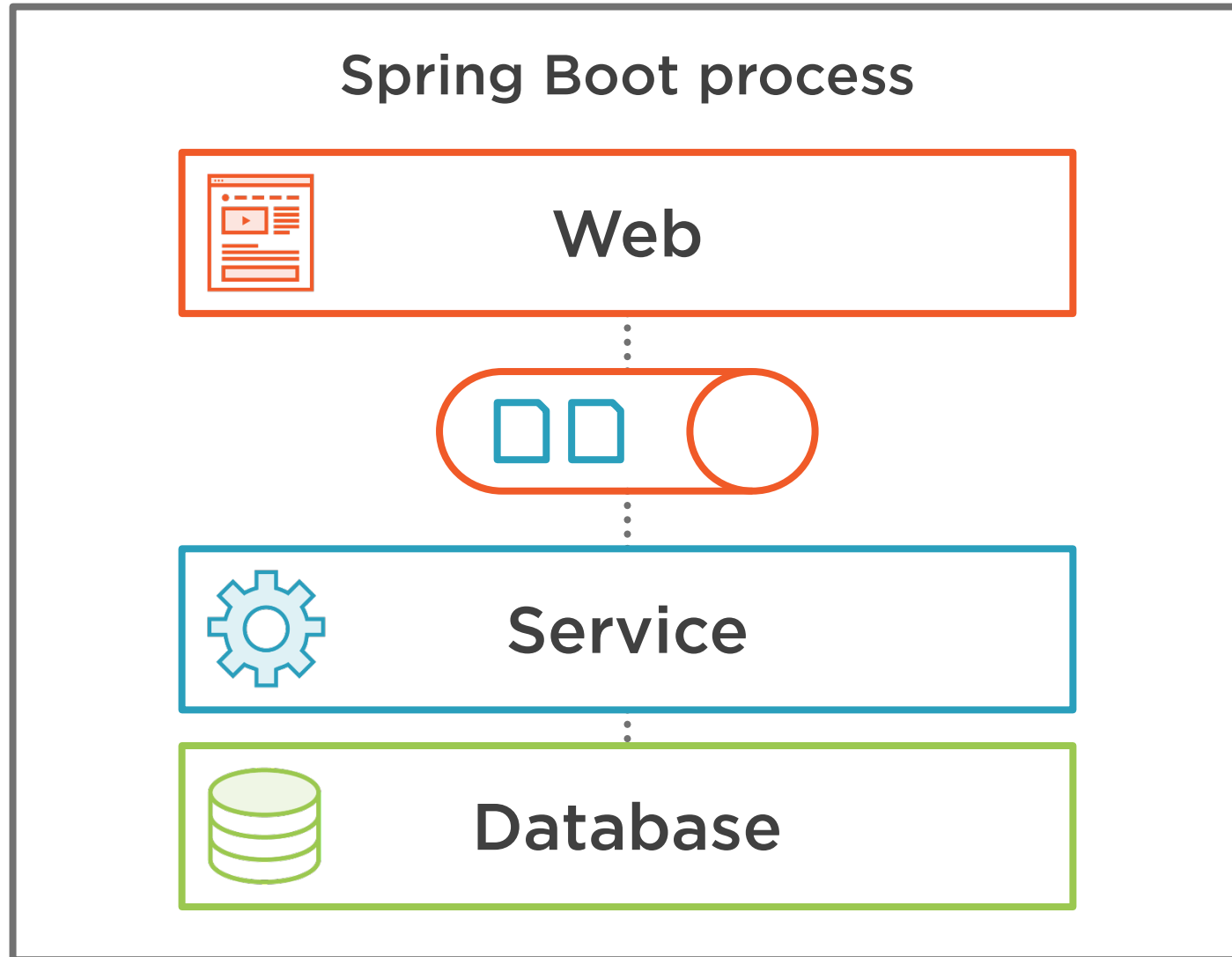- Running RabbitMQ
- Connect the frontend
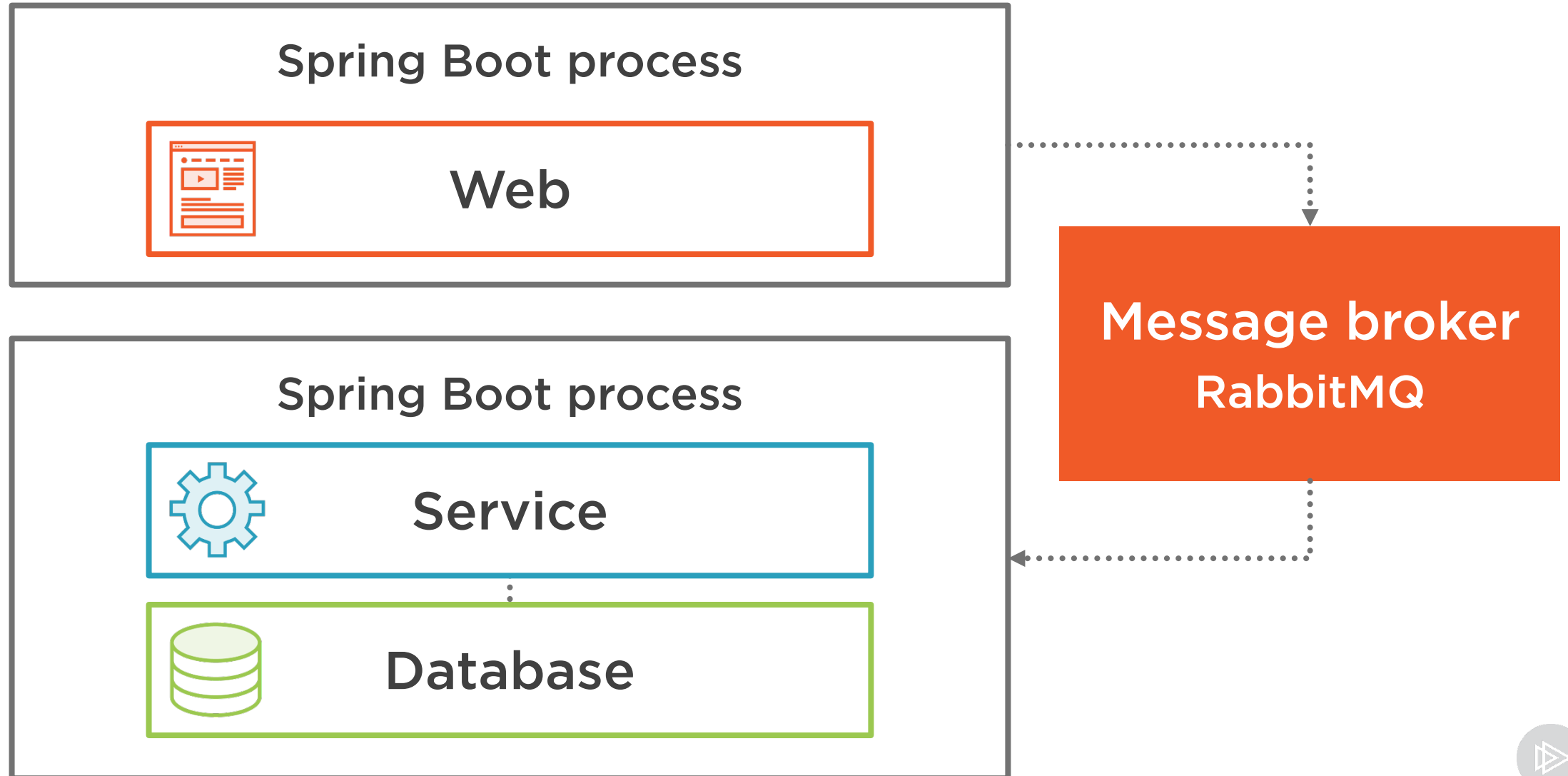- Connect the backend

Run multiple instances of the backend

Introducing RabbitMQ

Demo Application Architecture

Demo Application Architecture

Spring Boot process

Web

Spring Boot process

Service

Database

Message broker
RabbitMQ

Message Broker

How can you decouple the destination of a message from the sender and maintain central control over the flow of messages?
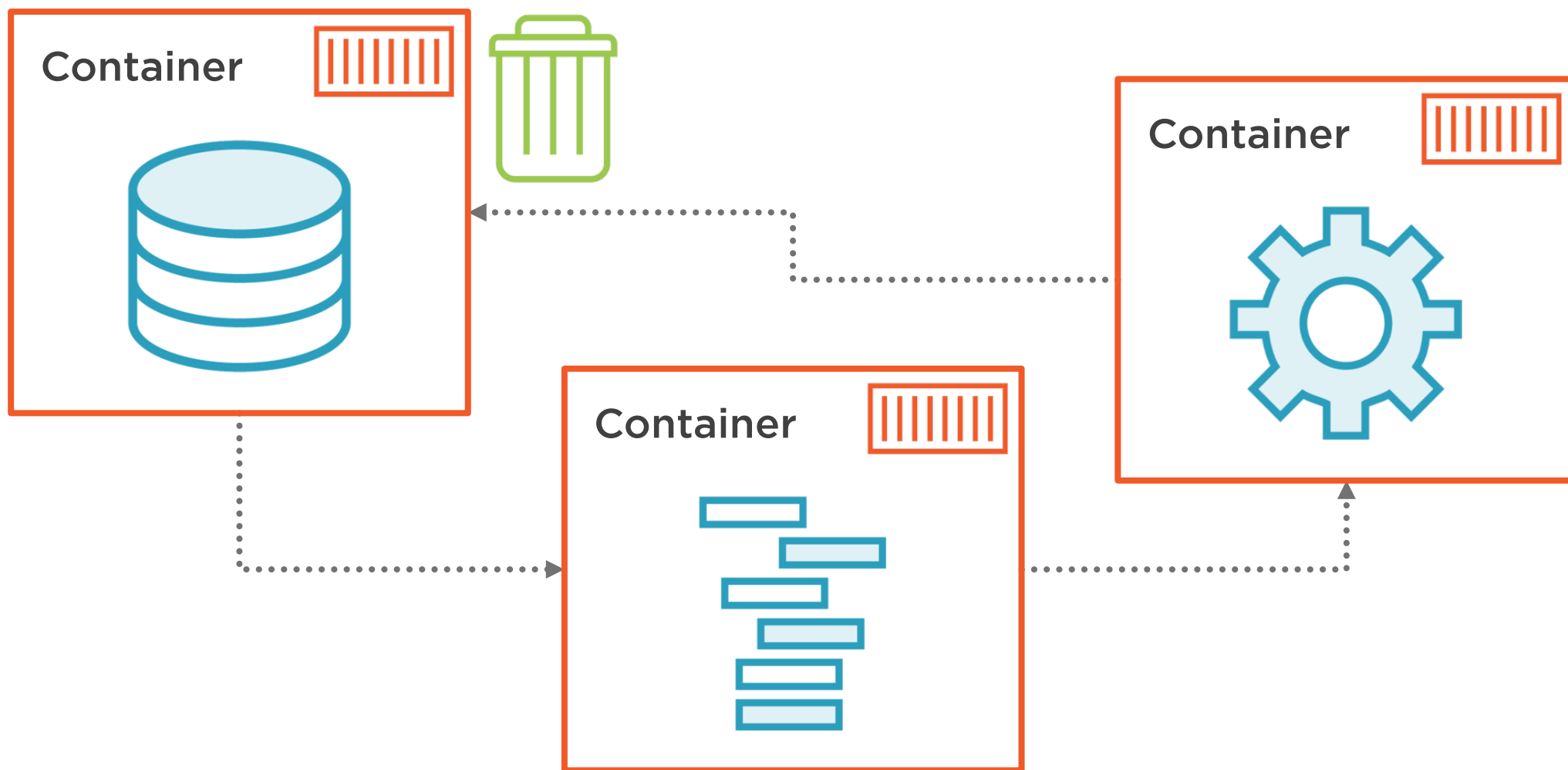
RabbitMQ and Docker

https://www.rabbitmq.com

https://www.docker.com

Using Docker

Connecting the Frontend to RabbitMQ

Connecting the Backend to RabbitMQ

Running Multiple Instances of the Backend

Multiple Instances of the Backend

Summary

Message broker: RabbitMQ

Channel adapters

- AMQP inbound channel adapter
- AMQP outbound channel adapter

Next: Publish-subscribe messaging