Spring Boot Microservices

Beginner to Guru

SFG Beer Works Monolith Project

Beer Works Monolith

- Example Spring Framework Project

- We will deconstruct this project into microservices

- Project is somewhat similar to Spring Pet Clinic

  - But more interesting!

- Goal is to take a realistic monolith and deconstruct it into a set of microservices

Beer Works Monolith

- Beer Works - Models a Brewery

- The Beer work brewery has:

  - Beers!

  - Beer Inventory

  - Beer Orders

  - Customers

Beer Works Monolith

- Beer Works - Tasting Room

  - Creates 'demand' - Brewery needs to consume beer inventory for tasting room orders

  - Demand triggers inventory reduction

  - Inventory reduction will trigger brewing of beer

  - Brewing will create inventory

Beer Works Technology

- Spring Boot / Spring Framework

- Hibernate / Spring Data JPA

- Spring MVC

- Project Lombok / Mapstruct

- Thymeleaf for UI Views

- Spring Scheduled Tasks

- Spring Events

Coming Up!

- Code Review of Brewery Monolith

- Deconstruction of Monolith

- Getting Microservices to work together

  - Messaging & Sagas

- Spring Cloud Features to Microservices

  - Use Spring Cloud Features for cloud deployment!

SPRING FRAMEWORK
GURU