Spring Boot Microservices

Beginner to Guru

Spring Framework and RESTful Services

Spring Framework and RESTful Services

- The Spring Framework has very robust support for creating and consuming RESTFul Web Services

- Spring Framework has 3 Distinct libraries for creating RESTful services

- Spring Framework has 2 Distinct libraries for consuming RESTful services

- There are also several popular libraries for creating and consuming RESTful services frequently used with Spring

  - Not covered in this course

Spring MVC

- Spring MVC is the oldest and most commonly used library for creating RESTful web services

- MVC - Model View Controller

- Can also be used for Web Applications

- Course focus will be just on RESTFul web services

Spring WebFlux

- Spring WebFlux was introduced with version 5 of the Spring Framework

- WebFlux uses project Reactor to provide reactive web services

- Follows very closely to the configuration model of Spring MVC

Functional WebFlux - aka WebFlux.fn

- Also introduced in Spring Framework 5

- WebFlux.fn is a functional programming model used to define endpoints

- Alternative to annotation based configuration

- Designed to rapidly and simply define microservice endpoints

Spring RestTemplate

- RestTemplate is Spring's primary library for consuming RESTFul web services

- Very mature - been a part of Spring for a very long time

- Highly configurable

Spring WebClient

- Spring WebClient was introduced in Spring Framework version 5

- This is Spring's reactive web client.

Coming up in the Course

• Creating RESTful services with Spring MVC

• Consuming RESTful services with Spring RestTemplate

• Creating RESTful services with Spring WebFlux

• Consuming RESTful services with Spring WebClient

• Creating RESTful endpoints with WebFlux.fn

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