

Microservices with Spring Cloud

A Workshop for
Learning the Microservice Architecture Style
and Implementing using Spring Technology

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What You Will Get From This Course?

- Introduction to Microservices architectural style
- Brief Introduction to Spring Boot, Spring Data
- Hands-On Experience with the Spring Cloud Components
- A Practical Guide / Excellent Starting Point

Objectives

- By the end of this course you will be able to
 - Articulate the Microservices architectural style
 - Advantages / Disadvantages
 - Build simple Spring Boot Applications
 - Web interfaces, RESTful interfaces, Spring Data, Spring Data REST
 - Build Microservices applications using Spring Cloud
 - Utilize centralized configuration using Spring Cloud Config and Bus
 - Utilize service discovery using Eureka
 - Implement resilient service clients with Ribbon, Feign, and Hystrix

Who Is This Guy?

- Ken Krueger

- 25 years (or so) of Software Dev
- Java, Spring, JPA, etc. etc.
- LOTS of project experience
- Mainly do training now

- My Professional Mission:

- *Guiding individuals and organizations to commercial success through the application of modern technology*

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Intended Audience

- Experienced Java / Spring Developers
- Not for Beginners

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Prerequisites

- Knowledge of Java
- Knowledge of Spring Framework / Spring Boot
 - ApplicationContext, Profiles, RestTemplate, @Value, @Autowired, @Component, Java Configuration, etc.
- Maven — Basic concepts, dependencies, how to run `mvn clean package`
- Git — Basic knowledge
- Udemy Courses:
 - Spring Framework 4 and Dependency Injection for Beginners – Sanjay Patel
 - Spring Framework 4 Tutorial: Practical, Rapid, Intuitive – Sanjay Patel

How This Course Works

- Lecture / Video to Explain Concepts
 - Feel Free to Skip Around
- Exercises to Reinforce Concepts
 - Highly Encouraged
 - IDE Recommended – Spring Tool Suite

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Caveats

- Spring Cloud Changes Rapidly
 - June 2015
- Microservices are an Evolving Topic
- Unlikely to cover all Topics
 - Goal is to be reasonably comprehensive
 - Enable you to fill in gaps yourself

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Still Not Sure?

- Udemy 30 Day Money-Back Guarantee

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Let's Get On With the Course!

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Lab Setup

Prepare your local environment to work on
the exercises.

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