

Micro services With Spring Boot

Lesson 00: Micro Service With Spring Boot

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Course Goals and Non Goals



➤ Course Goals

- Understanding of Micro services
- Understanding of Spring Boot
- How to Implement Spring Boot setup

➤ Course Non Goals

- Deploying Micro service applications into AWS Cloud

Pre-requisites



Understanding of layered Architecture
Understanding of Service architecture
Distributed models
Basic knowledge on Microservice
Knowledge of Maven , Spring Boot Application in STS

Intended Audience



Developers new to Java Cloud technology



Day Wise Schedule




Day 1

- Lesson1: Micro Services Basics and Spring boot introduction
- Lesson 2: Spring Boot Setup

Day 2

- Lesson1: Customer Microservice implementation by Using Spring Boot

Day Wise Schedule



Presentation Title | Author | Date

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Lesson 1: Microservices Basic and Spring Boot Introduction

- Introduction to Micro services
- Monolithic Architecture
- Micro service Architecture
- What is Spring Boot
- Why Spring Boot
- Key features in Spring Boot

Lesson 2: Spring Boot Setup

- Setup development environment.
- Create a project using Spring Initializer
- Setup and run Spring Boot App
- Create a Rest Controller with Maven, Spring boot

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Lesson 3: Customer Microservices implementation

- Create Customer
- Get Customer
- Get All Customer
- Update Customer
- Delete Customer

References




Books:

- Building Micro Services Designing Fine-Grained Systems by Sam Newman
- Beyond the 12 Factor App: Exploring the DNA of Highly Scalable, Resilient Cloud Applications by Kevin Hoffman
- Migrating to cloud in native application architecture by Matt Stine.

Websites:

- MicroServices : <http://microservices.io/>
- MicroServices Architecture : <https://smartbear.com/learn/api-design/what-are-microservices//>
- Spring Initializer : <https://start.spring.io/>

Next Step Courses



Docker Container

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Other Parallel Technology Areas



Monolithic Services