Mastering Spring and Spring Boot (TT3335)

Price: 2595

Duration:

Delivery Methods: Virtual

Overview

About this Course

The Spring framework is an application framework that provides a lightweight container that supports the creation of simple-to-complex components in a non-invasive fashion. Spring's flexibility and transparency is congruent and supportive of incremental development and testing. The framework's structure supports the layering of functionality such as persistence, transactions, view-oriented frameworks, and enterprise systems and capabilities. This course targets Spring 5.x, which includes full support for Java SE 11 and Java EE 8. Spring supports the use of lambda expressions and method references in many of its APIs.

Spring makes enterprise development easier. Spring simplifies common tasks and encourages good design based on programming to interfaces. Spring makes your application easier to configure and reduces the need for many JEE design patterns. Spring puts the OO design back into your enterprise application, and it integrates nicely with many view technologies and the new features of HTML5.

Mastering Spring 5.x Developer Boot Camp is a hands-on Spring training course geared for experienced Java developers who need to understand what the Spring Framework is in terms of today's systems and architectures, and how to use Spring in conjunction with other technologies and frameworks. This leading-edge course provides added coverage of Spring's Aspect-Oriented Programming and the use of Spring Boot. Students will gain hands-on experience working with Spring, using Maven for project and dependency management.

Audience Profile

This course is geared for experienced Java developers new to Spring.

At Course Completion

This course provides a solid understanding of what Spring brings to the table and how to use Spring in the context of other technologies and frameworks. Students are taken on an in-depth tour of the basic Spring framework, initially examining concepts such as Inversion of Control and Dependency Injection, and then working with the container and basic components. Students are introduced to Spring Boot and use Spring Boot throughout the remainder of the course. The latter part of the class looks at implementing REST with Spring and takes a deep dive into Spring Boot to prepare students for more extended Spring Boot usage.

This course combines engaging instructor-led presentations and useful demonstrations with valuable hands-on labs and engaging group activities. Throughout the course you'll learn how to:

· Explain the issues associated with complex frameworks such as JEE and how Spring addresses those issues

· Understand the relationships between Spring and JEE, AOP, IOC and ORM.

· Write applications that take advantage of the Spring container and the declarative nature of assembling simple components into applications.

· Understand how to configure the Spring Boot framework

· Understand and work on integrating persistence into a Spring application

· Work with Spring Boot to facilitate Spring setup and configuration

· Apply Aspect Oriented Programming (AOP) to Spring applications

· Use Spring Data JPA to implement the persistence layer of an application

· Develop REST applications using Spring 5

· Work with Spring Boot to facilitate Spring setup and configuration

Prerequisites

Take Before: Students should have incoming practical skills aligned with those in the course(s) below, or should have attended the following course(s) as a pre-requisite:

Fast Track to Core Java Programming for OO Developers (C+, C#, etc.)

Course Schedule

Date	Time	Price	Options

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FAQ

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What is your late policy?

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What happens when I finish my class?

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