Pivotal.

Spring Boot Developer

DELIVERY METHODS

- Instructor-led
- Live-online
- eLearning (access to videos, lab instructions, lab installation files)

COURSE DURATION

- Two days of instructor-led training
- eLearning: 30 day access

TARGET AUDIENCE

Application developers who want to increase their understanding of Spring Boot with hands-on experience and a focus on fundamentals.

PREREQUISITES

- Familiarity with Java
- Familiarity with Spring
- Git
- IDE (STS preferred)

IMPORTANT: eLearning students must have a Pivotal Web Services account (recommended) or access to a Pivotal Cloud Foundry instance in order to complete labs.

PRICING

Please visit our website at pivotal.io/training

MORE INFORMATION

On-site training is also available for customers who prefer to bring a Pivotal Certified Instructor to their own facilities For more information about on-site classes, contact us at pivotal.io/training/contact.

COURSE OVERVIEW

Building on the benefits of the Spring framework, Spring Boot represents the next chapter in Java development. Spring Boot's opinionated approach removes much of the boilerplate and configuration that characterizes Spring, making development faster and deployment easier.

This course offers hands-on experience with Spring Boot and its major features, including auto-configuration, data access, Actuator, and more. On completion, participants will have a foundation for creating enterprise-ready applications.

COURSE OBJECTIVES

Upon completion of this course, participants will understand how Spring Boot enhances the following:

- Spring configuration
- Web Development
- REST services
- Data Access
- Security
- Messaging
- Health Monitoring

COURSE OUTLINE

1. INTRODUCTION TO SPRING BOOT

2. SPRING BOOT PRINCIPLES

- Spring Boot vs. Spring

- Creating a Spring Boot Web application with Spring Initializr, STS, and curl

3. CONFIGURATION, AUTO-CONFIGURATION, AND PROFILES

4. SPRING BOOT WEB DEVELOPMENT AND REST SERVICES

- Spring web MVC

- GSP Templates

- Creating a RESTful API

5. DATA ACCESS (PER CLIENT REQUEST)

- JDBC

- JPA

- NoSQL - MongoDB

6. SECURITY

- Auto-configuration/simple security

- OAuth2

7. MESSAGING WITH RABBITMQ

8. ACTUATOR/METRICS

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