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INSTRUCTIONS

Course Agenda



Welcome!

Core Spring

1.18.5

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Logistics

Instructor introduction

Students introductions

Course registration

- If needed

Courseware

- ePub file
- Lab

Internet access

Phones on silent

Working hours

Lunch and breaks

Toilets/Restrooms

Fire alarms, Emergency exits

Any other questions



Agenda

- **Course Contents**
- **Spring and VMware**



How You Will Benefit

- Learn to use Spring and Spring Boot for building web and other applications
- Gain hands-on experience
 - Generous mixture of presentation and labs
- Access to experienced, certified instructors



Course Agenda: Day 1

- Introduction to Spring
- Using Spring to configure an application
- Java-based dependency injection
- Component-scanning with annotated classes
- Inside the Spring Container
- Bean Lifecycle and its related Post Processors



Course Agenda: Day 2

- Adding behavior to an application using aspects (AOP)
- Testing a Spring-based application using profiles
- Simplifying JDBC-based data access
- Driving database transactions in a Spring environment



Course Agenda: Day 3

- Spring Boot Feature Introduction
- Spring Boot - A Closer Look
 - Auto-configuration
- Spring Data JPA
- Building a Spring MVC Application (REST-focused)



Course Agenda: Day 4

- Implementing a Complete REST Server
- Spring Boot Testing
- Securing a REST Application
- Spring Boot Actuator and Metrics



What can Spring do?

Microservices

Quickly deliver production-grade features with independently evolvable microservices.

Reactive

Spring's asynchronous, nonblocking architecture means you can get more from your computing resources.

Cloud

Your code, any cloud -- we've got you covered. Connect and scale your services whatever your platform.

Web apps

Frameworks for fast, secure and responsive web applications connected to any data store.

Event Driven

Integrate with your enterprise. React to business events. Act on streaming data in realtime.

Batch

Automated tasks. Offline processing of data at a time to suit you.

Serverless

The ultimate flexibility. Scale up on demand and scale to zero when there's no demand.

<https://spring.io/projects>

Agenda

- Course Contents
- **Spring and VMware**



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Spring and VMware

- 2004 - Company to support Spring Framework created
- 2009 - Acquired by VMware
- 2013 - Transferred to Pivotal, a VMware joint venture
- 2019 - VMware acquires Pivotal

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Covered in this section

- Agenda
- Spring and VMware
- Spring Portfolio

Let's get on with the course..!

