Introduction to Spring Boot and Spring Cloud (TT3324)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Cisco Certified Specialist – Service Provider Advanced Routing
Related Exam:	300-510

Course Overview

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.Introduction to Spring Boot and Spring Cloud is a hands-on Spring training course geared for experienced Java developers who need to understand what the Spring Boot is in terms of today's systems and architectures, and how to use Spring in conjunction with other technologies and frameworks. This course targets Spring Boot 2, which includes full support for Java 8 and JEE 7 (earlier versions of Java and JEE continue to be supported). 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.

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.

Introduction to Spring Boot and Spring Cloud is a hands-on Spring training course geared for experienced Java developers who need to understand what the Spring Boot is in terms of today's systems and architectures, and how to use Spring in conjunction with other technologies and frameworks. This course targets Spring Boot 2, which includes full support for Java 8 and JEE 7 (earlier versions of Java and JEE continue to be supported). 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.

Who Should Attend

This introduction to Spring development course requires that incoming students possess solid Java programming skills and practical hands-on Java experience. This class is geared for experienced Java developers who are new to Spring, who wish to understand how and when to use Spring in Java and JEE applications.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Working in a hands-on learning environment, students will review configuration basics of the Spring framework. The course then moves into Spring Boot, providing in-depth content and experience working with Spring Boot to accomplish a variety of tasks. In addition to working through the Spring Actuator, students work extensively at testing and debugging Spring Boot applications.
Our engaging instructors and mentors are highly experienced practitioners who bring years of current 'on-the-job' application development and Spring experience into every classroom. Working in a hands-on learning environment, led by our expert practitioner, students will:
Review the concept of Java-based configuration
Become familiar with the conditionally loading bean definitions and Application Contexts
Understand how to leverage the power of Spring Boot
Use Spring Boot to create and work with JPA repositories
Use Spring Boot to work in conjunction with Spring Cloud
Understand the Spring Cloud project and how it relates to general Cloud concepts and practices
Work with Spring Cloud configuration and the Config Client

Detailed Course Outline

Introduction to Spring

- The Spring Framework
- Configuring Spring Managed Beans
- Defining Bean dependencies

Spring Cloud

- Spring Boot Additional Configuration
- Spring Cloud Project
- Introduction to Spring Boot
- Working with Spring Boot

Spring AOP

- Introduction to Aspect Oriented Programming
- Spring Cloud Config
- Spring Cloud Registry and Discovery
- Spring AOP

Spring Boot 2

- Spring Boot Actuator
- Developing in Spring Boot
- Thymeleaf
- Spring Cloud GateWay

□□ Certification Path

Cisco Certified Specialist – Service Provider Advanced Routing

Exam: 300-510

Additional Course Details

Nexus Humans Introduction to Spring Boot and Spring Cloud (TT3324) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Introduction to Spring Boot and Spring Cloud (TT3324) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Introduction to Spring Boot and Spring Cloud (TT3324)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Introduction to Spring Boot and Spring Cloud (TT3324) course helps prepare you for the Cisco Certified Specialist – Service Provider Advanced Routing certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the 300-510 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 3-day Introduction to Spring Boot and Spring Cloud (TT3324) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to Spring Boot and Spring Cloud (TT3324) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to Spring Boot and Spring Cloud (TT3324)?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to Spring Boot and Spring Cloud (TT3324). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Introduction to Spring Boot and Spring Cloud (TT3324)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Introduction to Spring Boot and Spring Cloud (TT3324) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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