

Introduction to Reactive Spring (TT3355)

Duration: 32.00 hours (4 days)

26.0 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Spring Data reactive allow us to implement database operations relying on Reactive Programming APIs. While the Spring R2DBC initiative aims to bring reactive programming to relational databases, several NoSQL databases already provide this possibility. After an introduction to NoSQL and the MongoDB, this course covers the APIs available to communicate with this NoSQL database using both blocking and reactive APIs. Introduction to Reactive Spring is a comprehensive Java training workshop geared for experienced developers who wish to explore concurrent, asynchronous and reactive programming APIs and techniques using Spring. After an introduction to reactive programming, Reactive Streams and the Project Reactor APIs, this course will show how these APIs are integrated into Spring. Spring 5 includes Spring WebFlux, providing a reactive programming model for web applications, including support for Reactive REST APIs. Spring WebSocket assists in the creation of web applications which provide a full-duplex, two-way communication between client and server.

About This Course

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Who Should Attend

This is an intermediate-level Java development course geared for students experienced with Java and Spring programming essentials. This course does not cover Java or Spring development basics.

Learning Outcomes

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

Working within in an engaging, hands-on learning environment, guided by our expert team, attendees will:

Understand the ReactiveX specification

Understand the basics of Reactive Programming

Discuss the advantages and limitations of Observables

Write a client application capable of handling Reactive events

Apply operators to event streams to filter, modify and combine the objects emitted by event publishers

Select the appropriate type of Event Source

Use both Cold and Hot Observables

Deal with backpressure problems in reactive programming

Develop a reactive web application using Spring WebFlux

Define application flows of a WebFlux application

Use the WebClient API to work with both synchronous and streaming APIs

Develop Unit and Integration tests to test WebFlux endpoints

Creating a reactive REST endpoint

Become familiar with the basics of WebSockets

Create a WebSocket endpoint using Spring

Create a WebSocket client

Understand the basics of NoSQL

Become familiar with the basics of MongoDB

Understand how the data in MongoDB can be retrieved using a Reactive API

Define Spring Data MongoDB repositories

Query the MongoDB using Spring Data

Define a reactive repository using MongoDB

Explore the Spring Data R2DBC API to perform reactive CRUD operations against a relational database

Additional Course Details

Nexus Humans Introduction to Reactive Spring (TT3355) 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 Reactive Spring (TT3355) 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 Reactive Spring (TT3355)?

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
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Q: How many CPD hours does this course provide?

The 4-day Introduction to Reactive Spring (TT3355) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to Reactive Spring (TT3355) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to Reactive Spring (TT3355)?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to Reactive Spring (TT3355). 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 Reactive Spring (TT3355)?

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 Reactive Spring (TT3355) 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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