SETC Training Corporate Logo

Java Training: Complete Java Spring Development Course (JSPRING, 5 jours)

Tarifs

- Tarification: $3,350/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Essential Architecture Concepts

- Overview of the Logical Architecture
- The Data Layer: JDBC and Hibernate
- The Data Repository: Spring Data, Repositories and JPA
- The MVC Design Pattern: From Request to Response
- The Orchestra Conductor: Exploring the Role of the Controller
- From Action to Object: Views, View Models, Controllers and Models
- The Role of the view templates: What are Thymeleaf and Other Similar Languages
- Spring Boot and Maven: Coordinating the Building Blocks
- Putting It All Together in An Enterprise Design

Starting Your Spring Project

- Making Use of Spring Boot and Spring Initializr
- Exploring the pom.xml File
- Understanding the Build Process and Java Runtime Dependencies
- Setting Application Properties: Server Properties, Dialects, Drivers and More
- Creating Entity Beans: Setting Table Mappings, IDs and Entity Relationships
- Creating Data Repositories with Spring Data
- Implementing the Business Service: Declaring Service Interfaces
- Creating a First SOAP Controller
- Deploying and Running an Application

Building on Basics

- Doing More with Entity Beans
- Adding Business Services to an Application
- Understanding Spring Error Handling
- Configuring Spring Error Handling
- Customizing HTTP Response Status Behaviour
- Exploring URL Mapping and a Controller

Mastering Spring Configuration

- Setting Resource Hives: Resource Bundles and Web Assets
- Understanding View Template Processing
- Creating the Template Directory
- Making Required Changes to the pom.xml File
- Exploring Options for Spring Configuration: XML and code based
- Creating the Configuration Class: Setting the Application Context
- Adding Resource Bundles in Configuration
- Setting the View Template in Configuration: The Resolver and the Engine
- implementing Logging and Running the Application

Creating Thymeleaf Templates

About Thymeleaf Template Processing
Understanding the Role of the View Model Class
Building the First View Template
Creating Templates Based on Templates
Adding Content to Templates
Importing Java Packages in a Thymeleaf Template
Making Use of Java Objects in a Thymeleaf Template
Implementing Conditional Logic
Implementing Repeating Segments
Adding Resource Support to a Thymeleaf Template
Adding Error Support to a Thymeleaf Template
Putting It All Together
Digging into Error Handling
Creating a Thymeleaf Template to Display Errors
Making Use of Controller Advice to Customize Error Handling
Creating Custom Exception Classes
Making use of the ExceptionHandler Attribute
Spring Configuration: Using Mapping Exception Resolvers
Putting It All Together
Digging into Validation and Formatting
Understanding the distributed nature of data validation
About Spring and Its Use of Hibernate Validation
Implementing Entity Being Validation
Implementing View ModelValidation
Displaying Error Messages in a Thymeleaf View
Creating Custom Formatters for Consistent Formatting
Creating Conversion Formatters for Consistent Formatting
Adding Formatters to the Spring Configuration
Exploring Interceptors and Security
The Architecture of Spring Interceptors
Why Interceptors Are Essential to Enterprise Architecture
Creating the Interceptor Class
Spring Configuration: Adding the Interceptor
Exploring Spring Security
Adding Spring Security to the Configuration
Defining Secured and Nonsecured Resources
Putting It All Together