

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 theExceptionHandler 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