

Introduction to developing J2EE Applications with Struts

Description

Struts is a well-established framework that simplifies the development of structured and scalable J2EE applications. Widely used in many professional projects, it provides a solid foundation for designing reliable and high-performance web applications. This training will guide you through discovering and mastering Struts, relying on a clear and proven MVC2 architecture.

Why learn Struts?

Through this course, you will learn to understand the key components of the framework and use them effectively. You will discover how to organize your projects around best practices while benefiting from the flexibility offered by Java standards. Participants will be guided step by step to design, configure, and integrate J2EE components with Struts, in order to better meet the concrete needs of modern projects.

Course Content

Module 1: Struts2 Introduction

- Lesson 1: What is Struts
- Lesson 2: Struts2 Features
- Lesson 3: Model1 vs Model2

Module 2: Core Components

- Lesson 1: Interceptors
- Lesson 2: ValueStack
- Lesson 3: ActionContext
- Lesson 4: ActionInvocation
- Lesson 5: OGNL

Module 3: Struts 2 Architecture

- Lesson 1: Struts2 Action
- Lesson 1: Struts2 Configuration
 - struts.xml
 - multi configuration
 - multi namespace

Module 4: Interceptors

- Lesson 1: Custom Interceptor
- Lesson 2: Params interceptor
- Lesson 3: ExecAndWait
- Lesson 4: Prepare interceptor
- Lesson 5: ModelDriven interceptor
- Lesson 6: Exception interceptor
- Lesson 7: FileUpload interceptor

Module 5: Struts 2 Validation

- Lesson 1: Custom Validation
- Lesson 2: Bundled Validators
 - Requiredstring
 - Stringlength
 - Email
 - Date
 - Int
 - Double
 - Url
 - Regex
- Lesson 3: Ajax Validation

Module 6: Aware Interfaces

- Lesson 1: ServletActionContext
- Lesson 2: SessionAware
- Lesson 3: ServletContextAware

Module 7: Struts2 with I18N Module 8: Zero Configuration

- Lesson 1: By convention
- Lesson 2: By annotation

Module 9: UI Tags

- Lesson 1: DateTimePicker
- Lesson 2: Iterator Tag

Lab / Exercises

- This course includes hands-on exercises designed to reinforce your knowledge and apply your skills in real-world professional scenarios.

Documentation

- Digital courseware included

Participant profiles

- Java Developers
- IT Project Managers
- Software Architects

Prerequisites

- Knowledge of Java
- Knowledge of JSP / Servlets and JavaBeans
- It is recommended to have followed the course: [JAVA SE 8 Programming](#)

Objectives

- Understand the concepts of components of an approach MVC2
- Master the components of the framework and inter-component communication in STRUTS

- Carry out a mapping function on the components of Struts
- Go further with the related projects from Apache

Description

Developing J2EE Applications with Struts

Niveau

Fondamental

Classroom Registration Price (CHF)

2300

Virtual Classroom Registration Price (CHF)

2150

Duration (in Days)

3

Reference

STRUTS