

# Introduction to developing J2EE Applications with Struts

## Description

Struts is a free framework that provides the necessary elements to develop applications based on Internet technology. It relies on technology standards such as JavaBeans and Java Servlets. The applications and Web services developed with free Internet technology have every incentive to integrate the wealth of Struts components, part of MVC2 architecture. Developers attending this course will learn to design and create server J2EE type components with Struts.

### Niveau

Fondamental

### 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

## **Documentation**

- Digital courseware included

## **Participant profiles**

- Developers
- Project managers

## **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

## **Classroom Registration Price (CHF)**

2300

## **Virtual Classroom Registration Price (CHF)**

2150

## **Duration (in Days)**

3

## **Reference**

STRUTS