

Java Training: Multilingual Web Development with Struts (JSTRUTS, 4 jours)

Description

The course Multilingual Web Development with Struts (Java Training) is an A to Z exploration of Apache Struts in Java. The training begins with a review of Java web development fundamentals. This is followed by an in-depth study of the Struts framework. Using practical examples, the training includes creating forms, views, view models, controllers, page flows, validation, filters & globalization to name a few. The course also discusses advanced concepts such as tag libraries, action chaining and dynamic forwarding.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Java Web Development Architecture

Java Web Application Technology

Distributed Applications: Technology and Infrastructure

J2EE Architecture and Components

The Model-View-Controller Design Pattern

Web Programming Overview

Internet Basics

Servlets

The JSP Page

Using Beans

State Management

Tag Libraries

Creating a Simple Tag

Introduction to Struts

Using the Struts Application Framework

Struts Primary Components

Struts Actions, Forms and Flows

Installing Struts

Configuring Struts

Struts and JSP

Action Mappings with Struts

Page Flow Technology

The Anatomy of a Page Flow

About ActionServlet, Action and ActionMapping

Revisiting the Struts Configuration

Using Forward

Global Forwards

Forwarding Actions

Declarative Exception Handling

Forms with Struts

Revisiting HTML Forms

Action Forms

Understanding the Input (Actions (Model (Output Relationship

Using DynaActionForm and Map-Backed Forms

About Data and Form Validation

Struts Tag Libraries

Revisiting Tag Libraries

Building View Components

Struts Tag Libraries

Attributes

Building Forms: using <html:form>

Using Struts Tags

The Form (Form Bean Relationship

About Scope and Duration

Displaying Error Messages

The JSP Standard Tag Library

JSTL Overview

JSP Expression Language

Core Tags

Formatting Tags

XML Tags

SQL Tags

Internationalization and Localization with Struts

The Need to Localization

About Resource Files

The Internationalization Package: i18n

Using the Locale Class

Using Resource Bundles

Using Validation

Input Validation with Struts

The Need for Validation

Validation in Struts

Form Bean Validation

The Struts Validator

Validators and Rules

Multi-Page Validation

Client-Side Validation

Implementing a Validator

Best Practices in Struts

Designing a Struts Application

Using Design Patterns in Web Applications

Invoking Several Actions from a Single View

Invoking a Single Action from Multiple Views

Dealing with Multiple Forwards

Chaining Actions

Dynamic Forwarding

Using Reflection and BeanUtils

Reusing Validation Rules

Mapping-Based Validation

Tiles

The Goal: Common Look and Feel

Reusable Layouts and Content

The Tiles Framework

Instantiating Layouts

Tiles and Stylesheets

Tiles Attributes

Tiles Context

The Tiles Plug-In

Forwarding to Definitions

A View to Performance