

Building JEE Web Applications Using JavaServer Faces

Duration:	2 days
Type:	intermediate

Description

This is an advanced course which introduces Java developers to all aspects of developing Web Applications with JavaServer Faces (JSF). Delegates must be experienced in J2EE development, preferably using the Struts Framework. By default the course is delivered using NetBeans and Tomcat, but other configurations can be supported if required.

Prerequisites

Delegates must be experienced in JEE Web Application development.

List of Modules

Introduction

- Why do we need another framework?
- Design goals behind JavaServer Faces
- Key functionality provided by JSF
- Integrating JSF with Struts and Spring
- Combining JSF with the Tiles framework
- Tool support currently available for JSF
- Open Source JSF component libraries
- Commercial JSF component libraries

Creating a Basic Web Application

- The JavaServer Faces lifecycle
- Installing the *FacesServlet* Front Controller
- Creating a basic *faces-config.xml* file
- Placing JSF components on JSP pages
- Adding a managed bean to the application
- Binding components to bean properties
- Configuring navigation rules

Extending the Application

- Understanding the JSF component tree
- The JavaServer Faces lifecycle revisited
- Initializing bean properties in *faces-config.xml*
- Configuring lists and maps as managed beans
- Binding bean methods to components
- Handling events at different stages of the lifecycle
- Controlling navigation between multiple pages
- Converting and validating data entered by users

Advanced Features of JSF

- Displaying information in tables
- Creating your own Converters and Validators
- Using third party JSF libraries
- Creating your own JSF components