

Price: R6,900.00 excl. VAT
Duration: 3 days
Code: STRTS

Jakarta Struts Development

Description

The Jakarta Struts Development course focuses on using the Struts framework for developing robust servlet/JSP applications. This course provides the experienced servlet/JSP developer with a solid Struts overview and hands-on practice. Delegates will learn the Struts tag libraries and the components that make up the architectural framework, as well as Struts best practices.

Objectives

Delegates who complete the Jakarta Struts Development course will be able to:

- Integrate servlets, JSPs, JavaBeans and Struts in a MVC architecture.
- Write Struts applications.
- Use the Struts tag libraries.
- Write and deploy Struts web applications.

Intended Audience

The Jakarta Struts Development course is aimed at experienced server-side Java programmers who are already doing servlet/JSP development and are migrating to, or interested in, the Jakarta Struts architecture, and need to create, deploy and maintain robust web applications using the Struts framework.

Prerequisites

Our Java Programming course or equivalent experience in Java programming is essential, as well as the Java Servlets and JSP course and a good knowledge of basic HTML.

Course Contents

The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.

Servlet/JSP Overview • Model 1 vs. Model 2 JSP development. • JSP, Servlets and JavaBeans integration. • The Model 2 MVC (Model-View-Controller) architecture. • Struts implementation of the Model 2 architecture. • JSP Standard Tag Library (JSTL). • Expression Language (EL).

Jakarta Struts Overview • Current Struts specification and the future of Struts. • Struts Action framework as the original request-based framework. • Struts Shale framework as a component-based framework for JavaServer Faces.

Struts components • Struts generic controller servlet. • Controller components: Actions. • View components: ActionForms. • Configuration: ActionMappings. • User validation: ActionErrors and validators. • Model components: JavaBeans. • DynaBeans and DynaForms. • Struts configuration with struts-config.xml.

Struts tag libraries • Struts HTML tags: rendering basic HTML elements. • Struts Bean tags: accessing resources and bean properties. • Struts Logic tags: conditional presentation logic. • Struts tiles tag library: creating document templates.

Miscellaneous • Struts best practices. • Model 2X: an enhancement of Struts with XML and XSLT. • JavaServer Faces (JSF) overview. • Tiles overview. • Other MVC frameworks. • Enterprise JavaBeans, the EJB container and servlets.