



Developing Web Applications using Servlets & JSP

Course Syllabus

Course Description:

Servlets and JSP dives into development of enterprise-class web applications, preparing you to build Web applications using the latest Java technologies and frameworks. You will learn how to design, build, test and configure Web applications using Servlets and JSP technology

Prerequisite Course(s):

- Java Programming.
- Advanced Java Programming.
- XML & Java API for XML Processing.
- Web Fundamentals (HTML & JavaScript)

Learning Objectives:

- To understand the HTTP – client /Server navigation nature
- To describe the architecture of Java Servlets
- To deal with different servlet containers and understand their architecture and method of work
- To master the basic concepts about Java Servlets
- To have hands-on experience on using Java Servlets
- To enable the trainees to recognize the difference between servlets and JSP.
- To enable the trainees to work with Java Beans from within JSP.

Course Outline:

- Http Protocol
- Overview of various web technologies
- What is meant by Servlet, advantages of Servlets Technology
- Understanding difference between application Server and Web Server
- Servlets lifecycle – interactions of servlets with Web containers
- Understanding different interfaces and classes in Servlet package
- Understanding different interfaces and classes in HTTP Servlet package
- Cookies and Session tracking using Servlets
- Introduction to JSP.
- General Guidelines regarding the MVC Architecture.
- JSP architecture.
- Compare between Servlets and JSP.
- JSP syntax basics.
- Java Beans and JSP