

Web Developer Series:

Java Servlets (November 2002)

Welcome to *Java Servlets*, a course designed to teach you how to use Java servlets technology to build Web applications. This course will empower you with the skills to design server-side applications that greatly increase the value of your Web site. The first part of this course will introduce you to the fundamental concepts of Java servlets and related technologies. The second part will build on your knowledge and present solutions for more functional and exciting Web pages. By the end of this course, you will understand and use the most popular applications of Java servlets.

Topics

Introduction to Java Servlets

Introduction to Web Applications
Hypertext Transfer Protocol
Writing a Simple Servlet
Responding to Form Data
Deployment Descriptors

The Servlet Life Cycle

The Multithreaded Model
The Single Thread Model
The init and destroy Methods
CGI Environment Variables
The ServletContext

Responding to a Request

Controlling the Client
Persistent Connections
Status Codes
Multimedia Content

Servlet Sessions

Hidden Form Fields
URL Rewriting
Cookies

Authentication and Security

HTTP-Based Authentication
Form Authentication
Secure Sockets Layer

Inter-Servlet Communication

Sharing Data
Dispatching to Another Servlet

Building Enterprise Web Applications

Java Servlets and JNDI
Clustering and Java Servlets
JavaMail

Internationalization

Non-Latin Character Sets

Target Audience

Web Developers, Java Programmers, Solution Developers, and Enterprise Developers.

Job Responsibilities

Implement Java Servlets to respond to a request, create servlet sessions, authenticate, provide inter-servlet communication, and build enterprise Web applications.

Prerequisites

Students must have completed the *Java Programming Fundamentals* course or be able to demonstrate equivalent Java programming knowledge before taking this course.

Duration

12 hours