

Ultimate Web Services

Course Number 6928 – 40 Hours

Overview

At the inception of Web Services, the buzz was about its simplicity and interoperability.

Nowadays, most organizations face great complexity with regards to Web Services implementations.

The course provides a comprehensive view of the Web Services world and its standards and practices, to allow developers to create interoperable, simple and maintainable Web Services.

Who Should Attend

- Java Developers
- Team Leaders
- Project Managers

Prerequisites

- Experienced Java Programmers
- Familiarity with Web Services

Course Contents

Web Services Recap:

- Web Services Overview
- SOAP 1.2
- WSDL

Binding Styles:

- What are binding Styles?
- RPC/Document Encoded/Literal
- The Document-Wrapped Style

WSDL 2.x:

- What's new with WSDL2?
- MEPs
- Interface Inheritance

Complementary Standards:

- WS-Addressing
- WS-Transactions
- WS-ReliableMessaging
- WS-Notifications
- WS-Security

JAX-WS 2.x:

- Creating Web Services
- Writing Clients
- Asynchronous Clients
- Stateful Services
- Handlers
- Packaging
- Using Complementary Standards

Performance Considerations:

- XML Infoset & Fast Infoset
- Working with Attachments
- MTOM
- Achieving Performance Goals

RESTful Web Services:

- What is REST
- Writing RESTful Services with JAX-RS
- SOA vs. ROA

Best Practices:

- Interoperability with WS-I
- Testing Web Services
- Architectural Design Patterns

Advanced AXIS2:

- AXIS2 Overview
- Configuration Files
- Pipes & Handlers
- Binding Frameworks
- Complementary Standards
- Unique Features

Additional Frameworks Overview:

- Apache CXF
- JBossWS