

WebLogic Web Services Development

Course Summary

Description

This course will integrate a combination of instructor-led discussions and interactive workshops to demonstrate the capabilities of Web Service within ecommerce applications. This seminar will illustrate the building, testing and deployment of Web Services, explore their fundamental capabilities, utilization of SOAP and XML, structure of SOAP messages, role of WSDL (Web Services Descriptive Language), use of SAAJ and JAX-RPC APIs, use of UDDI registries and the role of JAXR for accessing registries, the development of JavaBeans and EJBs as Web Services using the BEA WebLogic Workshop IDE development tool.

Additionally, this course will illustrate the use of the AquaLogic Interaction Development Kit (IDK) for development and deployment of Web services.

Topics

- Understand the architecture of Service Oriented Architecture
- Explain the roles of SOAP and XML
- Demonstrate the conversion of JavaBeans and EJBs to function as Web Services
- Illustrate the use of Web Services Descriptive Language (WSDL)
- Depict the SOAP processing architecture: messages and bindings
- Understand the architecture of SOAP messages.
- Develop Web Service from a JavaBean using WebLogic Workshop
- Depict process of serialization in SOAP and compare to J2EE equivalent
- Demonstrate the development of Web Service client applications
- Test Web Services application using WebLogic Workshop
- Depict the UDDI registry model architecture
- Illustrate BEA Web Services Gateway architecture
- Illustrate the deployment of Web Services in the BEA AquaLogic IDK environment

Audience

This course is designed for Java developers, web page designers and other professionals that will be developing Web Services using WebLogic Workshop.

Prerequisites

Each student should have a basic knowledge of interactive Web applications and have been exposed to the Java programming language.

Duration

Three days