Oracle SOA Suite 11g: Build Composite Applications

This SOA Suite 11g training teaches you to design and develop SOA composite applications for application integration with services. Learn to create an SOA Composite application using Jdeveloper, test, debug and troubleshoot and more.

Learn To

This course teaches you to design and develop SOA composite applications for application integration with services. You'll use a Service-Oriented Architecture (SOA) implementation approach.

Learn To:

- Create a SOA Composite application using JDeveloper
- Initiate SOA composite applications using the Events Delivery Network
- Test, debug, and troubleshoot a SOA composite application
- Apply security policies to service endpoints

Oracle JDeveloper 11g Integrated Development Environment

With the Oracle JDeveloper 11g Integrated Development Environment (IDE), you'll learn how to design, develop, deploy and test SOA Composite applications. Composite applications are modeled and developed according to the Service Component Architecture (SCA) specifications.

Secure Interactions Between Services

These applications are comprised of Mediator, BPEL, Business Rules and Human Tasks (Workflow) components. You'll also learn how to secure interactions between services using Oracle Web Services Manager policies.

Benefits to You:

Learn how to integrate your organization's applications into agile, reusable, service-based connectivity to reduce risk and respond faster to business requirements. Become more effective at managing and monitoring a composite application to support your organization's integration roadmap strategy and lower its total cost of ownership.

Prerequisites

Audience

- Analyst
- Architect
- Developer
- Developer
- Implementer

Course Objectives

- Work with Mediator components with routing rules, filters, and transformations

- Orchestrate business process flows by using BPEL
- Implement Business Rule component with IF-THEN rules and decision tables
- Test, debug, and troubleshoot a SOA composite application
- Initiate SOA composite applications using the Events Delivery Network
- Apply security policies to service endpoints to secure interactions
- Implement Human workflow with Human Task components
- Describe SOA concepts and related technology
- Create a SOA composite application using JDeveloper

Course Topics

- Introduction to Service Oriented Architecture
- Getting Started with Composite Applications
- Managing and Monitoring a Composite Application
- Working With Data
- Using the JMS and JDBC Adapters
- Introduction to BPEL
- More BPEL Activities
- Handling Faults in Composite Applications
- Introducing Human Tasks
- Introducing Business Rules
- Testing SOA Composite Applications
- Securing Services and Composite Applications
- Designing and Managing Business Events
- Monitoring Composite Applications with Sensors and Oracle BAM
- Oracle BPM, Governance, and the SOA Suite