Oracle SOA Suite 12c: New Features and Capabilities

This Oracle SOA Suite 12c: New Features and Capabilities Ed 1 training teaches you about the new features and capablities of the SOA Suite 12c product release as compared to the SOA Suite 11g product version. Before taking this course, you're expected to have a solid background developing 11g SCA composite applications, especially with using BPEL components; while the SOA Suite 12c product includes a number of diffferent components, the scope of the course is focused on developing SCA composite applications.

Learn To:

- Describe the new features of SOA Suite 12c.
- Understand how, when and why to use the new features of SOA Suite 12c.
- Use the new features of SOA Suite 12c to become more productive as a developer.

Benefits to You

By taking this course, you'll learn to make the most of the new features of Oracle SOA Suite 12c. While the focus is on Oracle SCA application development, you will get chance to explore new wizards and tools available in 12c. You'll get a chance to participate in hands-on exercises to gain real-world experience using new features and new wizards, along with other development tools.

Explore REST Bindings and Correlation Sets

The training covers new wizards for REST bindings and correlation sets, as well as encypting PII data and creating fault policies. Expert Oracle University instructors will dive into the new SOA debugger, templates, and BPEL subprocesses.

Prerequisites

Suggested Prerequisite

- CDT Oracle SOA Suite 11g: Administration
- SOA Adoption and Architecture Fundamentals Ed 1

Required Prerequisite

- Oracle SOA Suite 11g: Build Composite Applications Ed 3
- Oracle SOA Suite 11g Design and Development Experience
- Experience using JDeveloper
- XML Programming Experience

Audience

- Architect
- Developer

Objectives

- Become familiar with the new features of SOA Suite 12c
- Describe the four themes of Oracle SOA Suite 12c
- Describe the differences between the three Quick Start Domain options
- Describe the new features of the Enterprise Manager Fusion Middleware Control
- Migrate SOA 11g Composite Applications to 12c
- Manage shared design time artifacts using the design-time MDS Repository
- Debug SOA composite applications with the SOA debugger
- Create test suites and their test cases with the Create SOA Composite Test Wizard
- Create a BPEL correlation set with the Correlation Wizard
- Transform external, native format data to XML data that for use within SOA Suite 12c
- Describe nXSD translation and XQuery Mapper
- Learn how to Encrypt and Decrypt message fields
- Define fault policies using the Fault Policy Wizard
- Understand the format of REST web services and use the REST Binding Wizard
- Describe the Managed File Transfer (MFT) Adapter
- Create SOA composite templates and BPEL scope templates

Topics

- Overview
- Quick Start for Developers
- Getting Familiar with 12c
- JDeveloper Changes
- Testing and Debugging
- BPEL Editor New Features
- Transformations
- Protecting PII Data
- Fault Policy and Encryption/Decryption
- REST Binding Wizard
- New Adapters & MFT
- Templates & Subprocesses
- Additional Enhancements
- Appendix A: Oracle Enterprise Scheduler Service