

Oracle SOA Suite 12c: Essential Concepts

Service-Oriented Architecture Concepts

- What is SOA?
- About SOA building blocks
- How to adopt SOA?
- Discussing SOA standards

Getting Started with Oracle SOA Suite 12c

- About SCA service components supported in Oracle SOA Suite 12c
- Explaining product components in Oracle SOA Suite 12c
- Discussing management tools of Oracle SOA Suite 12c

Building SOA Composite Applications

- About XML basics
- Describing composite applications and service components according to Service Component Architecture (SCA)
- About service design principles
- Getting started with SOA composite application implementation in JDeveloper

Orchestrating Services with BPEL Process Components

- About BPEL concepts and BPEL process features
- Discussing basic programming constructs of a BPEL process
- Communicating message data by using variables in the BPEL process
- Consuming web services
- Developing a BPEL process by using the BPEL process template provided by BPEL Process Designer

Connecting with Binding Components

- Explaining Binding components
- Describing JCA adapters
- Describing REST adapter

Mediating Messages with Mediator Components

- Discussing functionality and features of a Mediator component
- Discussing context of using a Mediator component
- Configuring a Mediator component with routing rules

Encapsulating Business Logic with Business Rules Components

- Defining business rules
- Using Business Rule service components in SOA Composites
- Editing business rules by using SOA Composer

Implementing Human Activities with Human Workflow Components

- Discussing Human Workflow service concepts
- About Human Workflow architecture
- Creating and defining Human Tasks
- Integrating the Human Task service component in the BPEL process

Virtualizing and Securing Services

- Discussing concepts of Enterprise Service Bus
- Explaining functions performed by Oracle Service Bus
- Creating and configuring services in Oracle Service Bus
- Securing a SOA composite application

Managing, Monitoring and Troubleshooting Composite Application

- About SOA composite application management
- Deploying a SOA application
- Monitoring composite instances
- Discussing fault handling
- Monitoring business activities

Enabling On-Premises Integration

- How Oracle B2B is integrated with Oracle SOA to enable electronic document exchange between business partners?
- How Oracle MFT works with Oracle SOA to handle file transfers?

Enabling Mobile and Cloud Integration

- How SOA Suite simplifies mobile integration?
- How SOA Suite simplifies cloud integration?