



---

## Oracle SOA Administration

### Course Description

This course curriculum is designed for beginner and professional in such a way, which give to candidate in-depth knowledge over concepts. How to install? Configure Oracle SOA Suite components in Oracle WebLogic Server domains. After completion of course candidate have a better understanding & will be able to perform administrative tasks i.e. deploying SOA applications, configuring SOA app resources, monitoring SOA composite app, managing service engines & update SOA app. We provide detailed practical informative training on Oracle SOA Administration from start-to-finish, case studies to illustrate each concept, 100% practical scenarios and technique.

### Oracle SOA Administration online training curriculum

#### Introducing SOA and Oracle SOA Suite 11g

- Describing Service-Oriented Architecture (SOA) Concepts
- Introducing Service Component Architecture (SCA) Composite Applications
- Describing Oracle SOA Suite 11g Architecture and Components
- Introducing Oracle SOA Suite 11g Administration Tools

#### Installing Oracle SOA Suite 11g

- Creating SOA Schemas with the Repository Creation Utility
- Installing Oracle SOA Suite 11g
- Configuring an Oracle WebLogic Domain with SOA Suite 11g Components
- Exploring Oracle Enterprise Manager Fusion Middleware Control Console

#### Managing SOA Composite Applications

- Describing Composite Application Structure and Dependencies
- Deploying Composite Applications
- Testing and Monitoring Composite Applications
- Managing Composite Application Life Cycle

#### Administering the SOA Infrastructure

- Configuring Oracle SOA Suite 11g SOA Infrastructure Properties
- Monitoring SOA Infrastructure Run-time Information

#### Administering Oracle JCA Adapters and Binding Components

- Describing JCA Adapters and Binding Components
- Configuring JCA Adapter Properties
- Configuring File, Database, and JMS JCA Adapter Run-time Resources
- Monitoring JCA Adapter Instances and Faults

### **Administering BPEL Process Service Components and Engines**

- Describing BPEL Components and Service Engine
- Configuring BPEL Service Engine Properties
- Tracking Messages in a Composite Application with a BPEL Process
- Monitoring BPEL Process Component Instances
- Managing BPEL Process Component Instances and Faults

### **Administering Oracle Mediator Service Components and Engines**

- Describing Mediator Components and Service Engines
- Configuring Mediator Service Engine Properties
- Monitoring Mediator Component Instances and Routing Information
- Managing Mediator Faults

### **Administering Oracle User Messaging Service**

- Describing User Messaging Service (UMS) Architecture and Components
- Configuring UMS for Human Workflow and BPEL Process Components
- Configuring Oracle WebLogic Server Embedded LDAP Server
- Configuring the Email Messaging Driver
- Testing UMS Services

### **Administering Human Task Service Components and Human Workflow Service Engines**

- Describing Human Workflow Components and Service Engine
- Configuring the Human Workflow Services
- Configuring Human Workflow Task Service Properties
- Exploring the Work list Application for Task Management
- Describing User Messaging Preferences

### **Administering Oracle BPMN Process Service Components and Engines**

- Describing BPMN Process Service Components and Engines
- Configuring BPMN Process Service Components and Engines
- Monitoring Oracle BPMN Process Service Components and Engines

### **Administering Oracle Business Activity Monitoring**

- Describing Oracle BAM Components and Architecture
- Configuring the Oracle BAM Adapter
- Configuring Oracle BAM Server Properties
- Managing Oracle BAM Users and Distribution Lists
- Monitoring BAM Activity and Components

### **Tuning Performance of Oracle SOA Suite and Components**

- Implementing Best Practice Starting and Stopping Managed Servers
- Extending SOA Database Table spaces
- Managing connection thresholds
- Optimizing Loading of Enterprise Manager Metric Page Information
- Purging data from Dehydration Store

### **Troubleshooting Oracle SOA Suite**

- Resolving Managed Server Start-up Problems
- Managing Connection Timeouts
- Identifying Log Files
- Configuring Log Levels
- Viewing Log File Entries
- Identifying and Resolving Common Application Problems

### **Configuring High Availability for Oracle SOA Suite**

- Describing Types of High Availability Options
- Describing High Availability Implementations

### **Backing Up and Recovery of Oracle SOA Suite Instances**

- Adopting a Backup and Recovery Strategy
- Backing Up Oracle Fusion Middleware Environments
- Backing Up the SOA Database Schemas
- Recovering Oracle Fusion Middleware Environments
- Recovering SOA Database Schemas