

Oracle SOA Course Content

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 11gSOA

- 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

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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 Decision Service Components and Business Rules Service

Engines

- Describing Decision Services and Business Rules Service Engines
- Monitoring Business Rules Service Engine Instances and Faults

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Administering Oracle User Messaging Service

- Describing User Messaging Service (UMS) Architecture and Components
- Configuring UMS for Human Workflow and BPEL Process Components
- Configuring Oracle Web Logic 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 Application
- Describing User Messaging Preferences

Administering Business Events

- Describing Business Events
- Describing the Event Delivery Network Architecture
- Managing Business Event Subscriptions
- Monitoring Business Event Occurrences

Configuring Security Services and Policies

- Describing Oracle Web Services Manager Functionality
- Describing Web Service Security Concepts
- Creating a Simple Web Service Security Policy
- Securing a Service Endpoint with the Security Policy
- Monitoring Web Service Security Violations

Tuning Performance of Oracle SOA Suite and Components

- 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 Startup 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

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