

Oracle SOA Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

1. Overview of Service Oriented Architecture(SOA)

- SOA to a layman
- Overview of SOA
- Advantage in using SOA
- Why is SOA 11g Important
- Building Blocks of SOA
- Overview of XML, XSD, Web-Services, SOAP, UDDI, WSDL

2. Modelling SOA : Service Component Architecture(SCA)

- Principles of SOA
- Introduction to Service Component Architecture
- Building blocks of SCA
- Overview of Oracle SOA Suite 11g
- Introduction to Components of Oracle SOA Suite 11g

3. Weblogic Server 11g & SOA Topology

- Overview of Weblogic server
- Overview Weblogic Domains and Server instances
- Overview of Oracle SOA Topology
- Setting up Oracle SOA 11g Environment

4. Managing and Monitoring Composite Applications

- Overview of Weblogic Console and Enterprise Manager
- Setting up JDev for deploying Composite Applications
- Deploying a Composite Application Using EM
- Creating Partitions for grouping deployments

5. Working with Mediator Components

- Introduction to the Mediator Component
- Creating a Mediator Component
- Adding Routing Rules
- Create Content Based Routing filters
- Create XSL Transformations with XSLT Mapper

6. Creating Adapter Services

- Architecture of Technology Adapters
- Pre-built technology Adapters in SOA Suite 11g
- Working with a File Adapter
- Configuring Datasources, ConnectionPools, JNDI
- Working with a Database Adapter
- Configuring JMS Resources in WLS
- Working with a JMS Adapter

7. Business Process Execution Language(BPEL)

- Introduction to BPEL
- Overview of the BPEL Component designer in Oracle SOA Suite 11g
- Interaction Patterns in BPEL
- Developing & Deploying a simple BPEL Process
- Administer and Monitor BPEL processes in EM

8. Activities in BPEL Component Designer

- Scopes & Variables in BPEL
- Invocation Constructs in BPEL
- Working with Parallel Flows
- Conditional Branching
- Exception Handling
- Oracle Extension Activities

9. Orchestrating Services with BPEL

- Invoking external services in BPEL
- Overview of Partner Link

www.smartmindonlinetraining.com

Ph: +91 9949599844, +919949566322
contact@smartmindonlinetraining.com

Orchestrate services through BPEL for a Synchronous Service
Orchestrate services through BPEL for an Asynchronous Service
Correlation in Asynchronous services

10. XML Manipulation in BPEL

Various kinds of XML Manipulation
Iterating over complex structures, hierarchial structures
Iterating over arrays using While Activity

11. Fault Handling and Exception Management

Events and Timeouts
Fault and Exception Handling
BPEL's exception Handling, various activities in it
Fault Management Framework

12. Event Delivery Network

Introduction to Event Delivery Network
Consuming Events from EDN.
Defining Events and using them.

13. Working with Notification Service

Notification service concepts
Adding and configuring a Notification Service
Configuring Notification via EMAIL
Configuring HumanTasks with UMS

14. Human Workflow and Worklist Application

Human Workflow Service Concepts
Features of workflow service
Workflow service components
Modeling Workflows
Work list Application Features

15. Business Rule and Decision Tables

www.smartmindonlinetraining.com

Ph: +91 9949599844, +919949566322
contact@smartmindonlinetraining.com

Introduction to Business Rules.
Introduction to Decision tables
Using Business Rules and Decision tables in BPEL

16. SOA Composite Applications Lifecycle

Lifecycle and its Importance
Development environment approach
Surfacing binding properties to composite Level
Generating and modifying Configuration Plans
Test Environment approach
Production approach

17. Data Handling and SDOs

Introduction to SDOs and Key Components
ADF Business Components –A Quick Primer
Creating ADF BC Application
Creating BCs
Testing Application Module
Creating Service Interfaces
Deploying the ADF BC Service.
Using ADF BC as a Service in BPEL

18. Working with BAM

Introduction to Oracle BAM
Features of Oracle BAM
Defining Data Object
Defining BAM Dashboard
Adding BAM Connection to application
Adding BAM Adapter to Application
Adding BAM Sensors to BPEL Process