

Oracle SOA Suite 10g (Fusion) Essentials Course Content:35hrs

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Introducing the Course and SOA Concepts Service-Oriented Architecture Services

- Defining Web Services Describing Composite Applications Identifying Standards that enable SOA Examining the Life Cycle SOA Applications Describing the Course Environment Describing the Course Practice Scenario

Introducing Oracle SOA Suite 10g

- Describing Oracle ESB Architecture
- Describing Oracle BPEL Process Manager Architecture
- Describing Oracle Business Rules and Decision Services
- Describing Oracle Web Services Manager
- Describing Oracle Service Registry
- Describing Oracle Service Registry
- Describing Oracle Application Server
- Monitoring Business Activity with Oracle BAM

Creating Web Services with Oracle SOA Suite 10g Introducing the Web Services Architecture

Describing Web Service Standards What is SOAP? What is WSDL? What is UDDI?

- Implementing Web Services in Oracle Application Server

Techno Drive Business Solutions

- Developing Web Services using Oracle JDeveloper
- Designing a Web Service using a top-down and bottom-up approach

Configuring an Enterprise Service Bus Introducing ESB Architecture and Components ESB Adapter

Framework Exploring Adapters Available in Oracle ESB Managing Transactions with ESB Adapters Working with the ESB Designer

- Transforming Messages in Oracle ESB Accessing the ESB Control

Orchestrating Services with BPEL

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- Developing a BPEL Process in JDeveloper
- Creating a Synchronous BPEL Process Project
- Invoking a Synchronous Service with BPEL
- Exploring Process Orchestration with BPEL Activities
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- Deploying and testing a BPEL Process

Implementing Decision Services with Rules

- Introducing Decision Service Concepts
- Describing Oracle Rules Architecture and Components
- Accessing Oracle Rule Author
- Creating a Rule Repository
- Creating Business Rules with the Rule Author
- Creating a Rule Set and a Rule
- Implementing Rules with a BPEL Process
- Rules SDK

Integrating Services Through Adapters

- Defining Adapter Services
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- Creating a PartnerLink for an Adapter in BPEL Invoking the service of a BPEL adapter Virtualising Services through ESB Adapters Deciding to use BPEL or ESB Adapters Designing Routing Patterns
- Transforming Message Data in ESB and BPEL Creating Transformation activity in a BPEL Process Creating Transformation Mapping by using the XSLT Mapper Saving a XSLT Transformation

Techno Drive Business Solutions

- Applying a Transformation to XML data
- Creating a Domain Value Map in BPEL and in ESB
- Applying a Transformation in ESB
- Applying Domain Value Map to a Transformation in ESB
- Contrasting Transformation in ESB and BPEL

Securing Services with Oracle Web Services Manager WS-Security

- Identifying Oracle Web Service Manager Components and Architecture Registering a Gateway and an Agent

Managing Security Policies

- Creating Policy for a Gateway
- Creating Policy for an Agent
- Applying a Security Policy
- Testing and Monitoring the Policy Usage