

## IT HUNTER SOLUTIONS

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### Oracle SOA Suite 11g

#### Basic Concepts and Architecture

- Overview of service-oriented architecture (SOA)
- Overview XML, XSD, X Path, XSLT, SOAP, WSDL, UDDI
- The basic concepts of Oracle BPEL Process Manager
- BPEL Process Manager components

#### Installation

- Overview of the fusion architecture
- Overview of the Web logic server
- Overview of the soa server and bam server and Meta data schemas.
- Creating the soa domain
- Creating the soa server and bam server
- Installation steps soa suite 11g
- Preparing the start and stop scripts for soa server
- Start and stop the admin server

#### Interaction Patterns

- Orchestrate services through BPEL for a Synchronous Service
- Orchestrate services through BPEL for One-way.
- Orchestrate services through BPEL for an Asynchronous Service

#### SCA Architecture

- Description of Composite xml.
- Source code Explanation of BPEL File.
- Source code Explanation WSDL File.
- Source code Explanation of Component Type File

## Hello World BPEL Process

- Synchronous Hello World process.
- Explanation of Below Activities.
  - Receive Activity Syntax.
  - Invoke Activity Syntax.
  - Reply Activity Syntax.
  - Assign Activity.
  - BPEL Variables.
  - Relationship between BPEL Variables and WSDL messages.
  - Deploying the application
    - Creation the connection for SOA server.
    - Major & Minor Application Version.
    - Compilation
    - Build
    - Deployment Tab
    - SOA
  - Application Testing in the SOA Server

## Parallel Processing and Conditional Branching

- Processing with Parallel Flows
  - Using Flown activity
  - Using Flow activity
- Conditional Branching
  - Switch Activity
  - Limitation of the Receive activity
  - Pick activity to implement the timeouts
    - Pick activity to receive inputs from multiple operations into a single BPEL

## Fault Handling and Exception Management

- Fault types
  - System Faults
  - Business Faults
- Fault handling
- Process based fault handling
  - System fault handling
  - For synchronous services
  - For asynchronous
- Business Faults 
  - For synchronous services

- For asynchronous □
  - Policy based fault handling □□
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### **Transformation Services**

- Transformation Service
- Map Testing and Analysis
- XSLT Mapping Tool

### **Adapters and Accessing Adapter from BPEL**

- Adapter Framework
- File Adapter
  - Read Operation
  - Write Operation
  - Sync Read Operation
  - List of files.
- FTP Adapter
  - Get a file
  - Put a file
  - Synchronous get file
  - List of files
- Advanced Queuing
- Database Adapters
  - Calling stored Procedure
  - CRUD operations
    - Insert
    - Select
    - Update
    - Delete
  - Read Poll
  - Custom sql
- JMS adapters. □□
  - JMS Producer
  - JMS Consumer
- Oracle Apps Adapter introduction
- Fault handling in the ADAPTERS
- Transaction handling in Adapters

## Mediators

- Introduction to mediators.
- Working with mediators.
- Event driven networks via mediator
- Schematron files , parallel flows, sequential flows
- Fault handling in the Mediator
- Transaction handling in the Mediators

## Human Workflow and Work list Application

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

## Business Rule and Decision Tables

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

## Working with BAM

- Oracle BAM Server
- Oracle BAM Application
- Features of Oracle BAM Application
- Defining Data Object
- Defining BAM Dashboard
- Configuring BAM Adapter on WebLogic
- Adding BAM Connection to application

## OSB

- WSDL Preparation and uploading into SBConsole
- Business service development
- Proxy service development
- Fault handling

## Message flows in the OSB

- OSB Faqs

## AIA

- AIA fundamentals
- CDMs
- AIA components
- ABM
- EBO
- EBM
- ABCS
- EBS
- EBF
- ABCS preparations
- EBS preparations
- One PIP explanation

## Other Topics

- SOA Suite 10g examples
- Migration from 10g to 11g
- OSB basics
- AIA Basics
- Dynamic partner link
- Correlations
- Preference variables
- DVMs
- XRef Tables
- ANT scripts
- MDM
- MDM upload scripts
- SOA Testing.
- SOA Production support.
- SOA Faqs.
- Resume Preparation help
- SOA project explanation.