

Oracle BPA Suite: Model and Implement Business Processes

Duration: 3 Days

What you will learn

In this course participants learn how to use Oracle Business Process Analysis (BPA) Suite 10.1.3.4, which provides comprehensive modeling, analysis, and simulation capabilities for enterprise-wide business processes. Oracle BPA supports enterprise architecture, process improvement, and change management and provides for alignment of Business Process Management (BPM) and SOA initiatives. BPA suite is innovatively integrated with Oracle SOA Suite 10.1.3.3 to provide closed-loop BPM capability. This enables business analysts and developers to closely collaborate throughout the entire BPM life cycle using the best tools for their specific needs.

Oracle BPA Suite includes Oracle Business Process Architect, Oracle Business Process Publisher, and Oracle Business Process Repository components for business process modeling, collaboration, and storage respectively. BPA Suite provides a rich and intuitive graphical modeling environment tailored to business users for defining process maps and detailed process flows consisting of both human, automated and business rule steps that spans across organizational boundaries. In addition to business process modeling, BPA Suite has capability to analyze processes by running simulations based on different scenarios. Simulations can be used to do timing, cost analysis and to find process and resource bottlenecks.

Learn To:

- Implement business processes
- Simulate and analyze business process models
- Use Worklist application and management console
- Use Business Process Architect for business process modeling
- Publish business process models on the Web portal for collaboration
- Use best practices for business process modeling

Audience

- Application Developers
- Business Analysts
- End Users
- SOA Architect
- Technical Consultant

Prerequisites

Suggested Prerequisites

- Basic understanding of Business Process Management
- Working knowledge of Oracle SOA Suite

Course Objectives

- Model the high-level business process using Oracle Business Process Architect
- Use Business Process Simulator for process analysis and process optimization
- Publish modeled business process on the Web portal for collaboration
- Create BPEL processes in JDeveloper using blueprints created in BPA Suite

- Perform connections to servers
- Implement details to the BPEL Process in JDeveloper
- Deploy and test the business processes
- Manage human tasks using Worklist application
- Perform parallel development of business process models and implementation
- Identify best practices for modeling and mapping them to implementation

Course Topics

Introduction

- Identifying the course units
- Introducing the case scenario used in the course
- Understanding business process management

Overview of Oracle Business Process Management

- Overview of Oracle Business Process Management
- Overview of Oracle BPA Suite
- Overview of Oracle SOA Suite
- Overview of Oracle BPM Architecture

Overview of basic BPMN and modeling a simple process

- Introducing business process modeling
- Understanding BPMN concepts
- Understanding Basic BPMN elements
- Overview of Oracle Business Process Architect
- Modeling the high-level process and sub-processes

Simulation of business process models

- Overview and benefits of Oracle Business Process Simulator
- Setting up simulation properties for the business process model
- Running simulation
- Simulating statistics and interpreting results

Modeling and simulating the future process

- Introducing improvements and creating future process model
- Analyzing the future model

Publishing modeled processes

- Understanding the purpose of publishing
- Setting access privileges for users and user groups
- Overview of Oracle Business Process Publisher

Generating implementation model from a process model

- Sharing the process model with IT
- Validation of process model
- Creating the BPEL process from the business process model in Jdeveloper

Adding implementation details to the BPEL process

- Creating Services (PartnerLinks) using Adapters
- Creating mappings and data linking
- Refining the human workflow activity

Auto-generation of Worklist application
Generating and completing the business process

Using Worklist Application and Management console

Claiming and acting on a workflow task
Familiarizing with workflow management console
Changing assignee
Acting on escalation
Changing vacation rules

Continuous process development and Merging business process model and implementation model

Changing the business process model in BPA Suite
Sharing modified business process model with IT
Merging with newer version of process model

Advanced business process modeling

Overview of events
Modeling request-response scenario
Business exception modeling
Modeling loops and embedded sub-processes

Using best practices for implementing BPM

Identifying key business features
Defining the process hierarchy
Performing decomposition of the process
General modeling and BPM guidelines
Identifying stakeholders
Gathering requirements
Modeling best practices
Implementing, deploying, and monitoring a business process