

Oracle BPM 12c: Advanced Implementation

Review of Oracle BPM Architecture and Tools

- Discussing Process Composer VS Studio
- About BPM 12c QuickStart
- About Process Debugger
- Deployment and Testing

Data in a BPM Process

- Discussing Process and Project Data Objects
- About Business Parameters
- Describing Data Associations and Mapping
- About XPath and Simple Expressions
- Discussing XSLT
- About Groovy scripting

Business Rules

- About Facts and Fact Types
- About Value Sets
- Discussing General Rules, Verbal Rules, and Decision Tables
- Explaining Decision Functions
- About Testing and Test Suites
- Explaining Forward Chaining Inference

Human Workflow

- Overview of Human Workflow
- Discussing Stages and Participants
- Discussing Participant Lists
- Using Expressions to build participant lists
- Using Business rules to build participant lists
- About Task options and task properties

Implementing ServiceTasks

- Overview of Services and References
- Overview of Service Adapters
- Creating and Using a File Adapter
- Creating and Using a Database Adapter
- Using a Mediator and transformation to match data types

Overview of Events

- Overview of events
- More on Timer events
- More on Signal events
- Discussing the exclusive XOR Event Gateway

Controlling and Organizing the Process Flow

- Overview of Subprocesses
- About the embedded subprocess
- About the reusable subprocess
- About the event subprocess
- About Interprocess communication
- Setting up an interprocess communication using Message events
- Interrupting the main process

Handling Exceptions in the BPM Process

- Overview of Exception handling
- About System events and Business events
- Handling errors for an activity and a subprocess
- Handling errors at the process level
- Discussing Error events
- Error handling in a reusable subprocess
- Error handling in a called peer process
- Error handling using an event subprocess and skip and back

User Interface Customization overview

- Customizing UI for an individual task
- Using ADF
- Using Web forms
- Discussing pros and cons of different approaches

An Introduction to using ADF to Developing the User Interface

- High-level Overview of ADF
- About Oracle ADF Task forms
- Using ADF Task Flow

Building Advanced Web Forms

- Overview of Web Forms
- About Advanced Web form rules

- Using REST service to dynamically populate a field
- About Web form rule debugging

Customizing the BPM Workspace

- Customizing the Default BPM Workspace
- Creating a Custom Workspace Using ADF
- Customizing BPM workspace using Non-ADF Approach
- Building functionality using Human workflow and BPM APIs