

Oracle SOA Suite 11g: BPEL Component Overview

BPEL New Features in SOA Suite 11g

- Identify new features in BPEL for Oracle SOA Suite 11g
- Identify changes and enhancement to BPEL in Oracle SOA Suite 11g as compared to Oracle SOA Suite 10g

Creating a Simple BPEL Component

- Create a BPEL component in the Composite Editor
- Explain the BPEL process template types
- Implement a simple BPEL process component
- Structure a BPEL Process with scope activities
- Explain BPEL global and local variables
- Copy XML data with Assign and Transform activities
- Create copy operations in an Assign activity
- Create and configure a Transform activity

Orchestrating Services

- Describe conditions for business process orchestration
- Provide and access services from BPEL
- Create and configure a Partner Link
- Invoke a service synchronously and asynchronously
- Perform conditional branching by using a Switch activity
- Add and configure cases for conditional branching

Implementing Coordination and Exception Handling

- Implement parallel processing by using a Flow activity
- Add and configure Flow activity branches
- Implement nonblocking invocation with a Flow activity
- Create parallel branches dynamically with a FlowN activity
- Implement Pick activity with an Alarm and Timeout condition
- Execute activities repetitively with a While activity
- Describe basic exception handling in BPEL

Managing Transactions

- Describe Transactions with Services
- Explain Transactional implications of Services
- Describe a Service Data Object (SDO) and entity variables
- Manage Transactions with SDOs

- Explain compensation handling within a BPEL process