Oracle Utilities: Configuration Tools for CCB - Foundation

Duration: 5 Days

What you will learn

The Configuration Tools for CCB (Customer Care and Billing) - Foundation training is intended for implementers who want to create upgradeable and extendable solutions for Oracle Utility products. Concepts discussed include maintenance objects, business objects, inheritance, lifecycle, and access rights. These concepts can be applied to all Oracle Utilities applications that utilize Framework 4.3 or later. Finally, all exercises in this course are focused toward the Customer Care and Billing application.

Learn To:
Use business objects without Java coding.
Differentiate between maintenance objects and business objects.
Use validation rules on business objects.
Reuse business objects using inheritance.
Customize business object lifecycles.
Create valid actions for your application service.

Benefits to You:

Throughout the course, you will be exposed to the benefits of back-end scripting without the need to know Java programming. You will learn to use XML and XPATH, and the Schema Designer. Hands-on practice reinforce concepts that show you how to utilize object-based architecture to expand the usability of the application.

Related Training

Required Prerequisites

Experience in the use of the relevant Oracle product

Knowledge of basic database concepts

Understand an XML document

Understand service oriented architecture

Suggested Prerequisites
Oracle Utilities: Customer Care & Billing v2.6 Overview

Course Objectives

Differentiate between business objects and maintenance objects

Implement simple rules in business objects

Create algorithms to implement business rules

Add business objects

Use inheritance to avoid duplication of effort

Differentiate between hard and soft maintenance objects

Define state transition rules

Create state monitoring rules

Set up business object options

Explain maintenance object options

Define valid actions for application services

Create a plug-in script

Create a service script

Course Topics

Business Objects

Differentiate between business objects (BOs) and maintenance objects (MOs)
Illustrate how a schema holds the BOs elements
Map elements to the MOs primary key
Validate elements of a BO
Illustrate how a CLOB contains XML
Review the Schema Designer and its options

Business Rules
Create algorithm types and algorithms
Write algorithms to perform business rules
Use specific steps types to write a script
Use XPATH
Distinguish between single and multi-system events
Determine plug-in spot options

Business Object Inheritance
Apply common rules to a parent BO
Explain how a child BO can have their own children and grandchildren
Explain how multi-system events are top-down
Data Structure Inheritance

Business Object Lifecycle
Explain the different types of BO lifecycle
Discuss the state-specific rules
Discuss the state transition rules
Explain the differences between BO rules and BO state rules
Discuss monitoring state rules
Explain save points
Create logs and review and log files

Business Object Options
Discuss option types
Use options for MOs
Differentiate between single vs. multi-options

Access Rights
Secure application services
Secure BOs
Explain the differences between using access rights for parent BOs and child BOs
Configure business rules on BOs
Configure business rules on MOs
Access Rights

Service Scripts
Differentiate between service scripts and plug-in scripts
Use XPATH to manipulate schema parameters
Determine access rights of script calls
Use global variables

Business Services
Invoke core services that use business services
Validate input variables

Discuss errors
Issue a save point

Algorithm Parameters vs. BO Options vs. Admin BOs
Discuss algorithm parameters
Use a BO option to define an adjustment type
Use an admin BO
Introduce new elements that use CLOBs (Character - Large Objects)
Use statistics in admin BOs

Anticipate Site Specific Enhancements
Discuss support issues
Examine new plug-in spots (system events)
Extend lifecycles