

Oracle Communications Unified Inventory Management (UIM) Developer LVC

Oracle Communications

DURATION

5 Days

MODULES

8 Lectures

COURSE CODE

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Course Overview

Oracle Communications Unified Inventory Management (UIM) is a standards-based telecommunications inventory management application that enables you to model and manage customers, services, and resources. UIM supports complex business relationships and provides full life-cycle management of services and resources. The developer course focuses on customizing UIM for the purposes of automation and web service interaction. This course will cover modelling the inventory solution through cartridges, creating an automation to import devices via a CSV file, using the SFWS to provision a service, interacting with the REST API for entity management, and creating a custom web service.

What You Will Learn

Design Studio

- Objectives
- Design Studio
- Eclipse Platform
- Workbench
- Workspaces
- Resources
- Views
- Perspectives
- Design Studio Perspectives
- Cartridge View
- Data Element View
- Studio Design Editors
- Navigating within projects
- Solution View
- Studio Environment Perspective
- Cartridge Management View
- Design Studio Help

- Context-Sensitive Help
- Summary

UIM Cartridges

- Objectives
- Projects and cartridges
- Creating a Project
- Adding Entities to our Cartridge
- Showing Cartridge
- Building a Cartridge Package
- Deploying a Cartridge Package
- Deploy option in Studio menu
- Design Studio environment perspective
- Cartridge Dependencies
- Dependencies and Manifest
- Cartridge Management Tools
- Using the Cartridge Management Tools
- Resources access options
- Cartridge Extensibility
- About Sealed Cartridges
- Leading Practices for Extending Cartridges
- Making additive changes
- Clone and own

Ruleset Extensions

- Overview
- Rulesets
- Ruleset Extension Points
- Rulesets Codeweaver Engine
- Rulesets JBoss rules basics
- Rulesets JBoss rules Example
- Rulesets Groovy rules basics
- Rulesets Groovy Example
- Rulesets Ruleset Editor
- Rulesets Executing Rules
- Rulesets Executing Rules Manually
- Ruleset Extension Points
- Ruleset Extension Points Definition
- Ruleset Extension Points Ruleset binding
- Ruleset Extension Points Additional Configurations
- Ruleset Base Cartridges
- Recommendations

Oracle Communications Information Model

- Overview
- OCIM Patterns
- OCIM Patterns Specification to Entity Pattern
- OCIM Patterns Role Enabled Pattern
- OCIM Patterns Entity/Characteristic Pattern
- OCIM Patterns Business Interaction Pattern
- OCIM Patterns Life Cycle Managed Pattern
- OCIM Patterns Resource Configuration Pattern
- OCIM Patterns Inventory Group Pattern
- OCIM Patterns Consumable Pattern
- OCIM Patterns External Identity Pattern

Persistence Framework

- Overview
- Persistence Framework
- Managed Entities
- Persistence Framework Transaction Example
- Persistence Framework Finder
- Finder Sample Code
- Persistence Framework Entity Manager
- Entity Manager Sample Code

Service Fulfillment Web Service

- Overview
- Service Fulfillment
- Service Fulfillment Web Service Provisioning Process
- Business Interactions
- Service Fulfillment Web Service
- Service Fulfillment Web Service Capture Interaction
- Service Fulfillment Web Service Process Interaction
- Service Fulfillment Web Service Update Interaction
- Service Fulfillment Web Service Get Configuration Differences

REST API

- Overview
- Inventory RS OpenAPI
- API URL Structure
- Supported Methods
- Supported Request Headers
- Filtering Parameters
- Additional Parameters
- TMF 639 Resource Inventory Management

- Resource Inventory Management Example
- TMF 638 Service Inventory Management

External Web Services

- Overview
- Custom Web Services
- Reference Webservice
- Ant Build
- Web Service Development Guidelines