Oracle Communications Unified Inventory Management (UIM) User LVC

Course Duration:40 Hours   **Course code: UIM**

1. Course Overview

This course introduces participants to the features and functionalities of Oracle Communications Unified Inventory Management (UIM). Learners will understand how UIM provides a unified, flexible, and scalable inventory system to manage network, service, and resource inventory. Through a mix of conceptual training and hands-on exercises, participants will explore inventory modeling, service fulfillment, network connectivity, logical and physical resources, and integration with other OSS/BSS applications. By the end, learners will gain the skills needed to effectively use UIM in day-to-day telecom operations.

2. What you'll learn?

By the end of this course, you should be able to:

- Describe the key features and benefits of Oracle UIM
- Navigate and use the UIM user interface
- Understand UIM concepts: entities, specifications, and models
- Manage inventory for services, resources, and networks
- Create and manage logical and physical resources
- Work with service fulfillment and activation processes
- Explore connectivity and capacity management in UIM
- Understand integration scenarios with OSS/BSS systems

3. Target Audience

- Telecom inventory management professionals
- OSS/BSS system operators and administrators
- Solution architects working with Oracle Communications Suite
- Network and service fulfillment engineers

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4. Pre-Requisites

Familiarity with:

- Basic telecom concepts (services, networks, resources)
- OSS/BSS processes in telecom operations
- General database and application navigation skills

5. Course content

Lesson 1: UIM Lifecycle Management

- Overview
- Resource Life Cycle and Statuses
- Resource Inventory Statuses
- Inventory Statuses for Resources
- Inventory Statuses for Resources: Business Interactions and Work Orders
- Inventory Statuses for Pipes and Connectivities
- Resource Assignment Statuses
- Resource Reference Statuses
- Service Life Cycles and Statuses
- Business Interaction and Work Order Life Cycles

Lesson 2: Resources

- Overview
- Logical Resources
- Logical device accounts
- Media streams
- Physical Entities
- Equipment entities
- Physical devices
- Logical Entities
- Device interface
- Network addresses
- Connectivity

- Pipes
- Termination points
- Pipe models
- Channelized connectivity
- Extended support for channelized connectivity
- Capacity
- Network
- Network nodes and edges
- Network configuration

Lesson 3: Services
- Overview
- Service configuration IPTV scenario
- Specifications
- Configuration
- Characteristics
- Party and Role
- Role types
- Place
- Place Address and Address Range
- Place Location
- Place Site
- Place Configuration
- Service specification
- Service configuration specification
- Service configuration items
- Service configuration version

Lesson 4: Planning Entities
- Overview
- Business Interactions

- Business Interactions Enabled Entities
- Business Interactions Life Cycle Management
- Business Interactions Context
- Creating a Business Interaction
- Engineering Work Orders (EWOs)
- Creating Work Orders
- Projects
- Using Projects for Network Maintenance
- Using Projects for Managing Business Interactions and EWOs