Global Horizon
TRAINING CENTER

Training Course:
Advanced Billing and Revenue Management

13 - 24 October 2024
Manama (Bahrain)
Fraser Suites

Training Course:
Advanced Billing and Revenue Management

Training Course code: IT234904 From: 13 - 24 October 2024 Venue: Manama (Bahrain) - Fraser Suites Training Course Fees: 7480 Euro

Introduction

In this learning path, you will gain an understanding of the features and functions of Oracle's Modern Monetization solution, centralized on the Billing and Revenue Management BRM product. We start with an overview of BRM and the other main components and then present a more detailed overview of each of the component products which make up the overall monetization solution. You will also learn how BRM can be deployed into a Cloud Native Kubernetes-based environment.

This training course consists of three Modules:

- Billing and Revenue Management: Functional Overview
- Billing and Revenue Management: Technical Overview
- Oracle Communications Convergent Charging Controller Implementation

Target Audience

This course is intended for:

- Analyst
- Developer
- End User
- Implementer
- Manager
- System Integrator

Training Objectives

At the end of this training program, participants will learn:

- Understand the overall Billing and Revenue Management System Functional
- Understand the overall Billing and Revenue Management Technical Overview
- Managing Oracle Communications Convergent Charging Controller Implementation
- Describe the architecture of products BRM Server, ECE, PDC and OCOMC
- Understand partitioning and purging of BRM Server data
- Understand directory structure and configuration files pertaining to BRM Server, ECE, PDC & OCOMC
- Understand data flows in BRM Server, ECE, PDC and OCOMC
- Monitor and Troubleshoot problems in BRM Server, ECE, PDC and OCOMC

Training Outlines

Module 1: Billing and Revenue Management: Functional Overview

Introduction

- BRM Features and Functions Part 1
- BRM Features and Functions Part 2
- BRM Features and Functions Part 3

Elastic Charging Engine ECE Functional Overview

- ECE Functionality and Architecture
- ECE Integration, Extensibility and Operations

Pricing Design Center PDC Functional Overview

- PDC Overview and Architecture
- Getting Started with PDC
- PDC Changesets and Pricing Objects
- PDC Selectors

Offline Mediation Controller OCOMC Functional Overview

- OCOMC Functionality and Architecture
- OCOMC Cloud Native Deployment Option

Convergent Charging Controller OC3C Functional Overview

- OC3C Introduction and Architecture
- OC3C Service Innovation
- OC3C Voucher Management
- OC3C Additional Features

Billing and Revenue Management BRM Cloud Native Deployment

- BRM Cloud Native Introduction and Architecture
- BRM Cloud Native Features Overview

Module 2: Billing and Revenue Management: Technical Overview

Introduction

- Functional Architecture
- Technical Architecture
- BRM Server
- GUIs
- ECE
- API
- OCOMC
- OC3C

BRM Server

- BRM Server Architecture
- Application Tier
- Business Process Tier
- Object Tier

- Data
- Summary

BRM Configuration

- Configuration Files
- Pin.conf
- Infranet properties
- DM pin conf
- Startup
- Cloud-native aspects

BRM Data Model

- Storable classes - part 1
- Storable classes - part 2
- Fields
- Database Mapping
- Tools

ECE

- ECE Intro
- Coherence
- ECS
- Kafka
- BRMGW
- EMGW
- Pricing Updater
- Customer Updater
- Persistence
- REF
- Subscriber Loading

Data Flow

- Startup
- Integration points
- Pricing Objects
- PDC config objects
- BRM config objects
- Subscriber Flow
- Components

Rating

- Rating Engines
- Entry points
- Initial requests
- Terminate requests
- Persistence
- Top-ups

- Persistence Database
- Summary

Pricing Overview

- Pricing Model
- Setup Objects
- Charge offers
- Discount offers
- Bundles
- Packages

Module 3: Oracle Communications Convergent Charging Controller Implementation

Convergent Charging Controller OC3C Functional Overview

- OC3C Introduction and Architecture
- OC3C Service Innovation
- OC3C Voucher Management
- OC3C Additional Features

OC3C Network Integration for Voice

- OC3C Network Integration for Voice - Part 1
- OC3C Network Integration for Voice - Part 2
- OC3C Network Integration for Voice - Part 3

OC3C Network Integration for IVR

- OC3C Network Integration for IVR - Part 1
- OC3C Network Integration for IVR - Part 2

OC3C Network Integration for SMS

- OC3C Network Integration for SMS - Part 1
- OC3C Network Integration for SMS - Part 2
- OC3C Network Integration for SMS - Part 3
- OC3C Network Integration for SMS - Part 4

Service Logic Execution Environment SLEE

- Service Logic Execution Environment SLEE - Part 1
- Service Logic Execution Environment SLEE - Part 2
- Practice 1: Setup

Advanced Control Services ACS

- Advanced Control Services ACS - Part 1
- Advanced Control Services ACS - Part 2

BRM Integration Overview

- BRM Integration Overview - Part 1
- BRM Integration Overview - Part 2

BRM Integration - Initial Configuration

- Practice 2: OC3C to ECE Communication

BRM Integration - Charging Configuration

- BRM Integration - Charging Configuration - Part 1
- Practice 3: Balance Type Mapping
- BRM Integration - Charging Configuration - Part 2
- Practice 4: Configure AVPs
- BRM Integration - Charging Configuration - Part 3

Creating a Service

- Creating a Service - Part 1
- Practice 5: Service Capability
- Practice 6: ACS Configuration
- Creating a Service - Part 2
- Practice 7: Control Plan
- Practice 7: Control Plan Cont.

Testing and Troubleshooting

- Testing and Troubleshooting - Part 1
- Testing and Troubleshooting - Part 2
- Practice 8: Service Testing and Troubleshooting
- Practice 8: Service Testing and Troubleshooting cont.

Voucher Management Introduction

- Voucher Management Introduction - Part 1
- Voucher Management Introduction - Part 2

Voucher Types and Voucher Batches

- Voucher Types and Voucher Batches - Part 1
- Voucher Types and Voucher Batches - Part 2
- Practice 9: Voucher Types and Batches

Voucher Redemption

- Voucher Redemption - Part 1
- Voucher Redemption - Part 2

Top-Up Configuration

- Top-Up Configuration - Part 1
- Top-Up Configuration - Part 2
- Practice 10: Configuring Voucher Redemption

- Practice 10: Configuring Voucher Redemption Cont.
- Practice 11: Testing and Troubleshooting Voucher Redemption

Notification Gateway Overview

- Notification Gateway Overview - Part 1
- Notification Gateway Overview - Part 2

Configuring Notification Gateway

- Configuring Notification Gateway - Part 1
- Configuring Notification Gateway - Part 2
- Practice 12: Configuring Notification Gateway
- Practice 12: Configuring Notification Gateway Cont.

Testing Notification Gateway

- Testing Notification Gateway
- Practice 13: Testing Notification Gateway

Registration form on the Training Course: Advanced Billing and Revenue Management

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