



*Training Course:
Billing and Revenue Management Pipeline
Developer 7.5*

*4 - 8 July 2027
Cairo (Egypt)*

Training Course: Billing and Revenue Management Pipeline Developer 7.5

Training Course code: IT234901 From: 4 - 8 July 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

In this technical course, students will develop an in-depth understanding of the Oracle Communications Billing and Revenue Management Pipeline Manager and its architecture. The Pipeline Developer class is appropriate for students who need to customize pipeline behavior. The creation of an EDR container using description files is also discussed along with how to create a custom Extended Rating Attribute. In addition, the course explains the process for batch pricing and rating. During the hands-on lab, students will customize the Pipeline Manager using IScript and IRule to implement new system functionalities.

Target Audience

This course is intended for technical professionals involved in designing, customizing, and extending Oracle Communications Billing and Revenue Management Pipeline solutions, including:

- Software Developers working on telecom billing and rating systems
- Pipeline Developers responsible for customizing Pipeline Manager behavior
- Integration Engineers working on BRM and real-time/batch rating systems
- Technical Consultants involved in implementing Oracle Communications solutions
- System Developers with experience in C/C++, UNIX, and scripting environments
- Solution Architects designing batch rating and charging architectures
- Technical Support Engineers responsible for troubleshooting and extending pipeline functionality
- IT Professionals seeking advanced knowledge of IScript, IRule, and Pipeline customization

Training Objectives

- Describe Pipeline Manager architecture
- Extend Pipeline with IScript and IRule
- Create custom ERAs
- Configure Pipeline Manager
- Understand ways to customize the Pipeline

Training Outlines

Day 1: Pipeline Manager Architecture & Configuration

Pipeline Manager Architecture
Using Portal Online Documentation
Pipeline Manager Directory Structure
Pipeline Manager Registry Files
Starting and Stopping Pipeline Manager Processes

Day 2: EDR Concepts & Batch Rating Process

EDR Input and Output Overview

EDR Container Definition
EDR Description Files and Mapping Files
Conversion of Input EDRs to Container Format
Stream Output to Multiple Files
Batch Rating Process Overview
Rating Process for Delayed Events
Rate Plan Components Breakdown
Configuring Rate Plans Overview

Day 3: Data Processing & Function Modules

Pipeline Data and Function Modules
EDR Processing in Function Modules
Data Modules Usage
Pipeline Log File Analysis
Using Function Modules to Modify Pipeline Behavior
FCT_Discard for EDR Removal

Day 4: IScript Customization

IScript Language Basics Data Types, Operators, Functions, Control Structures
Embedding IScript in Pipeline
Writing Basic IScript Programs
Advanced IScript Database Connections, Hash and Array Functions
EDR Block and edrNumDatablocks Function
Building Custom Logic with IScript

Day 5: IRule & Custom ERAs

IRule Concepts and Definition
Methods for Storing IRules
Implementing IRule Scenarios
Storing Data Arguments in Description Files
Extended Rating Attributes ERA Overview
Building Custom ERAs
Pipeline Customization Summary

Registration form on the Training Course: Billing and Revenue Management Pipeline Developer 7.5

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