



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

*16 - 20 August 2026*

*Cairo (Egypt)*

*Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

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

Training Course code: IT234901 From: 16 - 20 August 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel 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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