

# Oracle Communications Applications Learning Subscription

The Oracle Communications Applications Learning Subscription provides dedicated access to an extensive range of training resources, delivered through Oracle University. Each subscription provides unlimited access to all training resources focused on Oracle Communications Applications.

## Oracle Communications Applications

Oracle Communications applications is a complete portfolio of cloud-native products and solutions across monetization and operations (orchestration, inventory & topology, and assurance), enabling customers to evolve their network and grow their revenue. The Oracle Communications Applications Learning Subscription is a collection of web based learning materials, including video content and services, that empowers customers and partners to develop and deliver Oracle Communications Applications-based solutions faster, at lower cost, and with reduced risk. Content is produced by experienced individuals, including Oracle architects, enablement managers, consultants and instructors.

## Cloud Scale Monetization

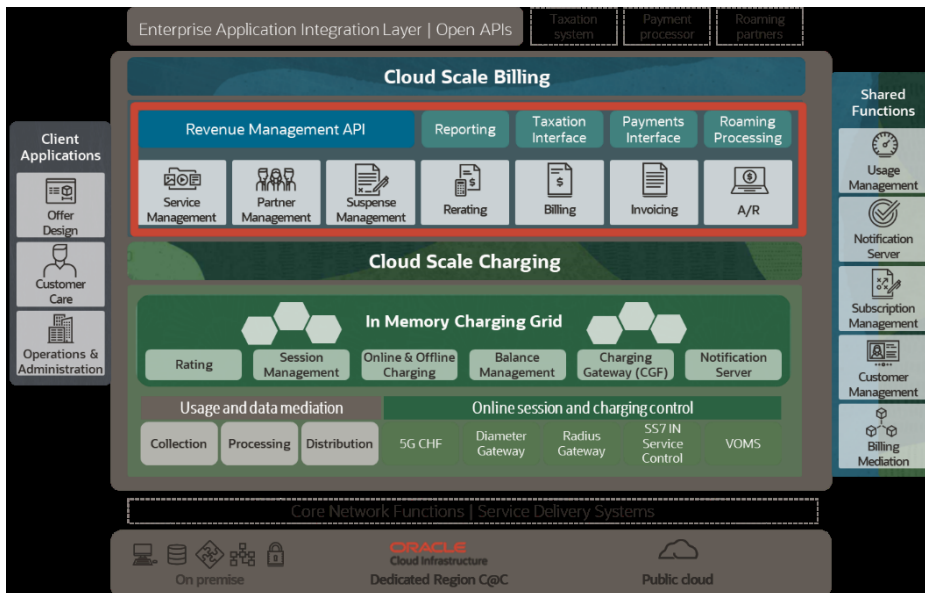


Image 1. Key functions provided by BRM within Oracle's Cloud Scale Charging and Billing solution.

## Key Benefits

The Oracle Communications Applications Learning Subscription provides Oracle customers and partners dedicated access to an extensive range of training resources.

- On-Demand format.**  
 Courses are available in an on-demand format through Oracle University, giving students the flexibility to choose when to complete their training.
- Evolving Content.**  
 The learning subscription is continuously evolving, with new courses being added on a regular basis, available in the learning subscription at no additional cost.
- Hands-on Labs.**  
 Get practical exposure to our products with hands-on labs, enabling students with access to their private dedicated OCI-based training environment.
- Ask The Instructor.**  
 Students can utilize the Oracle University "Ask the Instructor" feature, if they require more information about a specific topic, or need support with a lab.

Learn how to bring 5G and digital service offerings to life by capitalizing on network slicing, IoT, and multiparty business models. Our cloud scale monetization training offerings show how you can monetize anything at any scale with a converged charging system (CCS) integrated with billing and TM Forum Open APIs.

### Monetization courses

In these courses you will gain an understanding of the features and functions of Oracle's monetization suite, centralized on the Billing and Revenue Management (BRM) product. We start with a functional and technical overview of BRM and the other main solution components, and then in further courses (most with hands-on labs) we cover end-user, implementation, development and administration aspects. You will also learn how BRM can be deployed into a Cloud Native Kubernetes-based environment.

COURSE TITLE	SUMMARY	TIME TO ALLOCATE <sup>1</sup>
<b>Billing and Revenue Management (BRM) Functional Overview</b>	An overview of the features and functions of Oracle's converged charging solution, centred on Oracle Communications Billing and Revenue Management (BRM).	1 day
<b>Billing and Revenue Management (BRM) Technical Overview</b>	Learn about the BRM architecture and data model, the different configuration files, the data flow for configuration, pricing and usage data and an overview of the BRM APIs.	0.5 day
<b>Offline Mediation Controller (OCOMC) Overview</b>	Learn about the functions, features and architecture of OCOMC and how OCOMC can be integrated with the BRM Elastic Charging Engine for rating of offline usage records.	~2 hours
<b>Implementing Cloud Native BRM</b>	BRM provides a cloud native deployment option, supporting Kubernetes-orchestrated containerized components to facilitate continuous integration/continuous delivery and DevOps practices. Learn how to deploy, configure, customize and operate cloud native BRM.	3 days (with labs)
<b>BRM PCM API Development</b>	The PCM API Development course teaches a number of different customization options. Learn how to customize and extend the BRM data model using a sample business scenario for a webhosting service.	3 days (with labs)
<b>BRM REST API Introduction</b>	Learn about the principles of REST API and understand BRM REST integration options. Practical exercises will guide you through the typical use cases of BRM REST APIs. Learn also how to manage REST API requests and how to apply basic troubleshooting techniques.	2.5 days (with labs)
<b>Implementing Convergent Charging Controller (OC3C)</b>	Oracle Communications Convergent Charging Controller (OC3C) is a key component in Oracle's convergent charging solution. Learn about OC3C's key capabilities, including core network integration, integration with BRM, voucher management, service design, configuration, testing and troubleshooting.	5 days (with labs)

### Key Benefits

#### Oracle University.

All courses in the learning subscription are hosted and delivered through Oracle's industry-leading training solution, Oracle University.

#### Experienced Instructors.

All training content is produced and delivered by Subject Matter Experts, who have in-depth experience and knowledge of Oracle's communication products and solutions.

#### What's New.

Keep up to date with new functions and features in our products as they are released with "What's New" learning paths and courses.

#### Assessments.

Test what you have learned in a course by taking our on-line assessment tests, which are included in many of our learning paths.

## Unified Operations

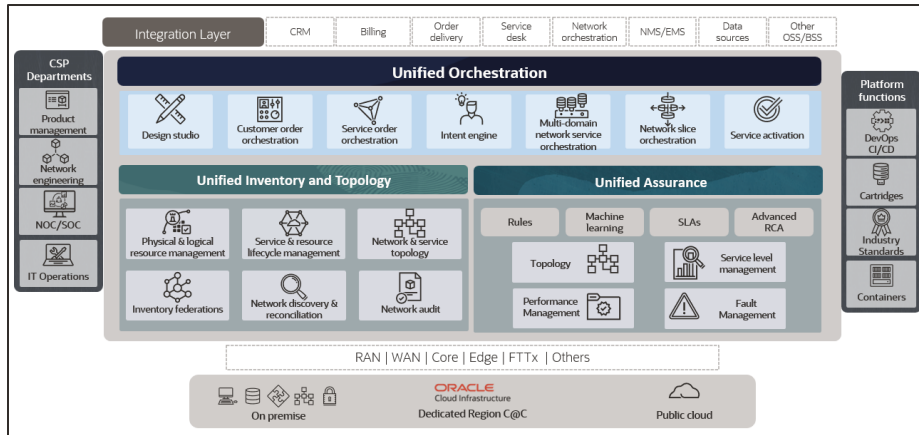


Image 2. Oracle Communications Unified Operations for the 5G era.

Automate the design, delivery, and lifecycle management of fixed, pre-5G, and 5G-era mobile and digital services delivered over physical and cloud-based networks. Increase service agility, reduce OpEx, and manage complexity with closed-loop automation. Oracle’s Unified Operations suite comprises three solutions - Unified Orchestration, Unified Assurance, and Unified Inventory & Topology. The Unified Operations suite also includes an integrated design environment called Oracle Communications Service Catalog and Design. Service Catalog and Design is an application agnostic TeleManagement Forum Open Digital Architecture (TMF ODA) aligned service and resource catalog driving end-to-end solutions. Its primary focus is to have a low code design environment for configuration of the orchestration, inventory and assurance solutions and products.

### Unified Orchestration courses

Accelerate time to revenue for fixed, pre-5G, and 5G-era mobile and digital services. Our orchestration training shows how you can automate the design, creation, and end-to-end intent-driven service orchestration across multiple physical, network cloud, and software-defined networking domains. Learn about the products and solutions which comprise Oracle’s Unified Orchestration solution, including Order and Service Management (OSM).

COURSE TITLE	SUMMARY	TIME TO ALLOCATE <sup>1</sup>
<b>Order and Service Management (OSM) Overview</b>	OSM is a key component of Oracle’s “Concept to Cash” solutions which enable service providers and CSPs to design and manage the fulfilment of customer orders for both traditional and digital services throughout their entire lifecycle. This course includes an overview of the OSM solution, including system architecture. You will also learn about order orchestration.	~1 hour
<b>Order and Service Management (OSM) Developer</b>	Using the orchestration task web client, Design Studio and the Task UI, learn how to manage order changes, modify, extend and deploy cartridges, interact with orders, manage fallout and order changes, and understand the concepts of Point of No Return and Follow-On Orders.	5 days (with labs)

### Audience for Training

Content in the learning subscription is suitable for many different communications industry job roles, including System Administrators, Solution Architects, End Users, Developers, System Implementers, and many more.

## Unified Assurance courses

Deploy an end-to-end service assurance solution with automated root cause analysis using event correlation, machine learning and topology. Learn how to deploy Unified Assurance as an overlay platform to unify monitoring across existing assurance tools, or as a standalone assurance solution. Gain an understanding of the full product set, including role-based courses for Administrators, Users and Developers, as well as courses covering specific functionality, such as CAPE and Microservices.

COURSE TITLE	SUMMARY	TIME TO ALLOCATE <sup>1</sup>
<b>Unified Assurance User</b>	Learn about Unified Assurance, covering some of the industry challenges that Unified Assurance addresses. Learn also how to interact with Unified Assurance for fault, performance, topology and service management.	~2 hours
<b>Unified Assurance Admin</b>	Learn how to install and administer Unified Assurance, including device recovery, fault and performance management and troubleshooting.	2 days
<b>Unified Assurance API</b>	Learn how to use the Unified Assurance REST API to configure and read data from the application. Topics covered include JSON, REST API Structure, troubleshooting and best practices.	0.5 day
<b>Unified Assurance Custom Action Policy Engine</b>	Custom Action Policy Engine (CAPE) is a policy-based, multi-threaded correlation engine. Learn how to complete custom tasks via automation.	0.5 day
<b>Unified Assurance Event List Tools</b>	This course will teach you what out-of-the-box 'SQL' and 'View' tools are available and explain how they work in detail. The course will also teach you how to customise the out-of-the-box tools or create your own.	~2 hours
<b>Microservice Fundamentals</b>	Learn about the Microservices components, as well as installation and troubleshooting.	1 day
<b>Microservice UI</b>	Learn how to install and test the Microservice Trap Event Pipeline via the UI and how to check the status of your MicroService cluster.	0.5 day
<b>Unified Assurance Flow Analytics Fundamentals</b>	Flow Analytics collects, analyzes and provides real-time visibility into network bandwidth consumption. This course covers installation and includes a comprehensive breakdown of available dashboards.	~2 hours

### <sup>1</sup> Time to Allocate

The time to allocate for each course is indicated in the course tables. The time given is approximate and depends on individual student capabilities, number of breaks, length of working day, etc. As the courseware in the subscription evolves, the required effort to complete courses may change from what is listed here.

## Unified Inventory and Topology courses

Oracle's real-time active inventory and topology solution provides a "single pane of glass" view of network resources and services in a unified and federated way. Combined with network discovery and reconciliation, the solution enables automation of the fulfillment, assurance, and orchestration of fixed, pre-5G, and 5G-era mobile and digital services. Learn more about the products and solutions which comprise Oracle's Unified Inventory and Topology solution, including Unified Inventory Management (UIM).

COURSE TITLE	SUMMARY	TIME TO ALLOCATE <sup>1</sup>
<b>Unified Inventory Management (UIM) Overview</b>	UIM is a standards-based telecommunications inventory management application that enables you to model and manage customers, services, and resources. Learn about UIM and its core functionalities and benefits as an inventory management system.	~1 hour
<b>Unified Inventory Management (UIM) User</b>	This training course delves into using the UIM UI to manage inventories. The course covers basic entity management, life cycle management, connectivity, service configurations and engineering work orders.	2 days (with labs)
<b>Unified Inventory Management (UIM) Developer</b>	This course focuses on customizing UIM for automation and web service interaction. It covers modelling the inventory solution through cartridges, creating an automation to import devices, using the SFWS to provision a service, interacting with the REST API for entity management, and creating a custom web service.	3 days (with labs)
<b>Unified Inventory Management (UIM) Administrator</b>	The administrator course teaches the actions needed to manage, backup, tune and maintain the UIM environment. This will also involve a practical example of how to set user permissions to different user groups.	~1 day (with labs)

### Service Catalog and Design courses

You use Service Catalog and Design (SCD) to design the run-time behavior of Oracle Communications applications, such as Order and Service Management (OSM) and Unified Inventory Management (UIM). Service Catalog and Design enables you to create and use solutions quickly by providing a consistent design experience for both technical and non-technical users.

COURSE TITLE	SUMMARY	TIME TO ALLOCATE <sup>1</sup>
<b>Service Catalog and Design – Getting Started</b>	Learn how Oracle has divided the tasks necessary to create a total solution in Service Catalog and Design into four groups, and create a persona for each group of tasks. Learn the functional architecture of SCD, and where it fits in a Unified Operations solution. Get to grips with the workflow of creating a solution in SCD.	~1 hour
<b>Service Catalog and Design – Service Catalog Administrator</b>	Learn how to use Service Catalog and Design initiatives to manage the end-to-end workflow of creating new customer offerings. You will also learn how to use domains to ease that management process.	~1 hour
<b>Service Catalog and Design – Service Domain Specialist</b>	This course will train you how to execute the responsibilities of the Service Domain Specialist. Learn how to create Customer Facing Services using design components created by other specialists in your design team, including Resource Facing Services, resources and locations.	~1 hour
<b>Service Catalog and Design – Network Domain Specialist</b>	This course is designed for individuals who create end-to-end conceptual models of networks using domain-specific technologies such as Ethernet, 5G and Mobile. Learn how to create models of networks that can be reused by Service Domain Specialists to create new customer offerings	~1 hour

## Delivery Options

All courses are available in an on-demand recorded format through Oracle University. To explore alternative delivery options, including LVC (Live Virtual Class) or in-class with an instructor, please contact an Oracle University or Communications sales representative.

## Summary

The Oracle Communications Applications Learning Subscription is a subscription service providing named user access to a collection of web based learning materials, including video content and services focused on Oracle Communications applications products and solutions across monetization, orchestration and assurance.

This learning subscription is made available to you subject to the terms of your order and the Agreement. Unauthorized individuals may not view subscription content at any time. You are responsible for meeting the minimum system requirements to order the subscription offerings. Subscription orders are non-cancelable and non-refundable. This service does not make any content available for download by users.

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