

Oracle Communications Network Learning Subscription

The Oracle Communications Network 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 Network products and solutions.

Oracle Communications Network

Oracle Communications Network is a complete portfolio of products and solutions across all generations of network technologies, including 5G, enabling customers to scale and secure their 3G and 4G network, whilst getting ready for 5G. The Oracle Communications Network 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 Network-based solutions faster, at lower cost, and with reduced risk. Content is produced by experienced individuals, including Oracle architects, enablement managers, consultants and instructors.

Session Border Controller (SBC)



Image 1. Enable Real-Time Communications Solutions with Oracle Communications Session Border Controller.

Deliver trusted, carrier-grade, real-time communications such as VoIP, VoLTE, and rich communications services with protocol support, scalability, and manageability in all types of IP networks. [Oracle Communications Session Border Controller \(SBC\)](#) evolves your networks toward 5G and the cloud.

Session Border Controller courses

Learn all about the Oracle Session Border Controller (SBC). Our SBC courses will guide you through both basic and advanced configuration and administration, as well as learning how to troubleshoot the system.

COURSE TITLE	SUMMARY	TIME TO ALLOCATE
SBC Configuration and Administration	This course will introduce you to the Oracle Session Border Controller and the Oracle Enterprise Session Border Controller. It will familiarize you to what the SBC is and how it can be used in your network environment, and it will look at the benefits and architecture of the SBC and understand how it operates. The course will focus primarily on the peering deployment model (Enterprise-SBC) but will teach how to configure the SBC from the bottom up, starting with understanding all of the elements needed to configure the SBC. Once the SBC has been configured, we will test the basic functionality to ensure calls are going through the SBC correctly. This course will demonstrate and discuss how to use the ACME Command Line Interface (ACLI) as well as how to use the Web GUI Interface.	5 days (with labs)
SBC Advanced Config	This course provides technical network professionals with the skills needed to successfully understand and configure the Oracle Communication Session Border Controller using advanced routing configuration models, advanced SIP manipulations using regular expressions and different ways of handling media. This course covers the fundamentals of DNS & ENUM, different uses of the SBC as B2BUA or stateful or stateless proxy (Session Router), regular expressions for more optimal SBC configuration and more.	5 days (with labs)
SBC Troubleshooting, Operations and Maintenance	This Oracle SBC troubleshooting course is designed for Tier-1 and Tier-2 technical support professionals. Expert Oracle University instructors will teach you how to effectively troubleshoot problems with SIP call flows through the Oracle Communication SBC series, as well as looking into operations and general maintenance.	5 days (with labs)
SBC Additional Content: SIP Signalling Services	This course contains additional content that is supplementary to the standard SBC courses. In this course you will learn about response maps, routing calls, using ranges and names in LRTs and the Advanced Session Initiation Protocol (SIP).	1 day
SBC Additional Content: Management, Maintenance & Troubleshooting	This course contains additional content that is supplementary to the standard SBC courses. In this course you will learn about the Acme Control Protocol (ACP) over Transport Layer Security (TLS), Secure Shell (SSH) File Transfer Protocol (SFTP) Push and Audit logging.	~1 hour
SBC Additional Content: Security	This course contains additional content that is supplementary to the standard SBC courses. In this course you will learn about telephony fraud protection and digital certificates.	0.5 day



Image 2. Oracle Communications Cloud Native Core Network Functions Deployment Stack.

Deploy trusted, cloud native 5G technology from the network through BSS and OSS applications. Take advantage of automation in the 5G standalone core to bring new services to market faster.

5G cloud native courses

Learn all about [Oracle Communications 5G Cloud Native Core products](#), such as Oracle Core Network Functions, Cloud Native Database Tier, Network Analytics Data Director and Cloud Native Configuration Console. The 5G learning path starts with an overview of 5G technologies and Oracle’s 5G Core Solution.

COURSE TITLE	SUMMARY	TIME TO ALLOCATE
5G Overview	This course covers the basics of 5G technologies, such as 5G network and 5G core network, Service-Based Architecture, Network Functions, the mapping between 4G Network Functions and 5G Network Functions, and 5G standards and specifications.	~1 hour
Oracle 5G Core Solution Overview	This course covers the basics of the Oracle 5G Core Solution. The course introduces Oracle Cloud Native Core, Oracle Cloud Native Core Network Functions, the deployment environment for the Network Functions and how to get support from Oracle.	~1 hour
Oracle Communications Cloud Native Core DBTier (cnDBTier)	This course covers the fundamentals of cnDBTier as well as cnDBTier installation and upgrade procedures.	0.5 day
Oracle Communications Network Data Analytics Function	This course covers the fundamentals of the 5G core Network Data Analytics Function (NWDAF), and Oracle implemented NWDAF (OCNWDAF) architecture. More lessons will be added to the course as OCNWDAF evolves.	~2 hours
Oracle Communications Network Analytics Data Director	This course covers the fundamentals of the Oracle Communications Network Analytics Data Director such as features, architecture, and deployment models, as well as deployment procedures.	~2 hours
Oracle Communications Cloud Native Configuration Console (CNCC)	This course covers CNCC deployment and upgrade procedures, along with demos covering CNCC helm install process, accessing CNCC GUIs, CNCC helm uninstall process, and CNCC helm upgrade.	~2 hours

COURSE TITLE	SUMMARY	TIME TO ALLOCATE
Oracle Communications Cloud Native Network Repository Function (OCNRF)	This course covers an overview of the OCNRF fundamentals and architecture, the installation process, the essential microservices, and the OCNRF configurations using the configuration console (CNCC).	0.5 day

EAGLE

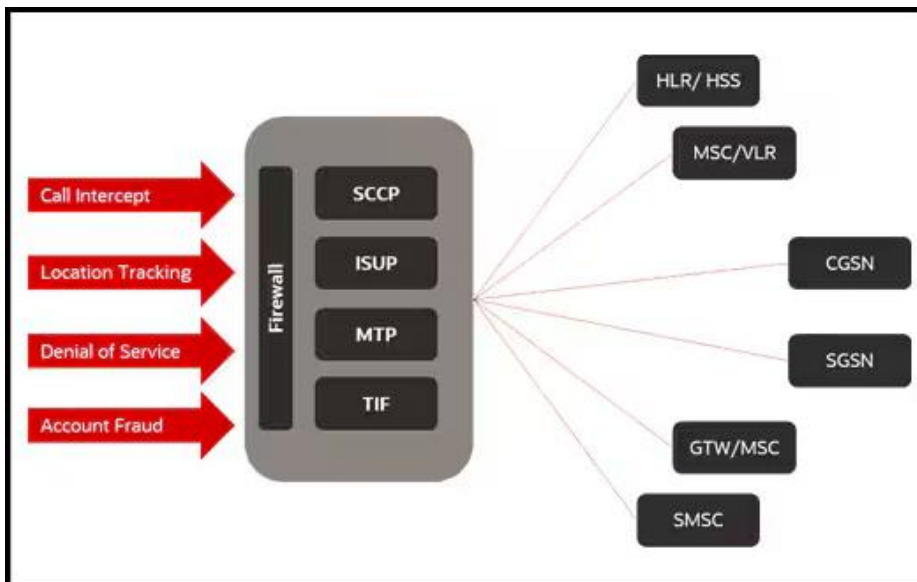


Image 3. EAGLE platform's SS7 firewall for network security.

[Oracle Communications EAGLE](#) is the industry's most trusted and reliable SS7 signalling platform, delivering unmatched performance and innovative solutions to communication networks across the globe.

EAGLE courses

Learn all about Oracle Communications EAGLE and how it operates.

COURSE TITLE	SUMMARY	TIME TO ALLOCATE
Oracle Communications EAGLE E5-MS Administrator	In this course you will learn how to administer the server, application and database of the E5 Management System (E5-MS). You will also learn how to provision communication between the EAGLE 5 and the E5-MS and how to access the Fault Management Interface.	1 day
Oracle Communications EAGLE GTT and Gateway Screening	The EAGLE GTT and Gateway Screening course blends SS7 theory with intense practical GTT and GWS applications for the Oracle Communications EAGLE products. Learn how to identify and create global title translations and gateway screening tables for a range of scenarios.	1 day

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 Network 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 network products and solutions.

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-cancellable and non-refundable. This service does not make any content available for download by users.

Visit [Oracle University MyLearn](#) to get started.

- ✓ **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.
- ✓ **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.

Key benefits

The Oracle Communications Network 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 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.
- ✓ **Oracle University** All courses in the learning subscription are hosted and delivered through Oracle’s industry-leading training solution, Oracle University.
- ✓ **Certifications** Receive official accreditation and certification for your training by taking our proctored online exams, which are included in some of our learning paths.
- ✓ **Experienced Instructors.** All training content is produced by Subject Matter Experts, who have in-depth experience and knowledge of Oracle’s communication products and solutions.

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