

**Oracle® Communications
Network Charging and Control**

Licensing Information User Manual

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Licensing Information

Product	Subproduct	Licensing Description
Oracle Communications Online Charging Controller	Oracle Communications Online Charging Controller – All Products	For any deployment of Oracle Communications Online Charging Controller, the customer first has to purchase one of the following core options: • Oracle Communications Online Charging Controller for Mobile Services • Oracle Communications Online Charging Controller for Internet of Things Both of the core options have the same pre-requisites. Each core option is restricted to particular services. Prerequisites: • Oracle Communications Control Plan Editor • Oracle Database Enterprise Edition, Oracle Database Standard Edition, Standard Edition One or Standard Edition 2 for the Service Logic Controllers and Voucher and Wallet Servers. • Oracle Database Enterprise Edition for the Service Management System • Oracle Database EE Option: Partitioning for the Service Management System • Oracle Database EE Option: Real Application Clusters One Node if a Highly Available (HA) deployment of the Service Management System is required • Oracle Database EE Option: Real Application Clusters if RAC clustering is required for the Service Management System
	Oracle Communications Online Charging Controller for Mobile Services	Oracle Communications Online Charging Controller for use for voice, messaging and data services, including online rating and charging, prepaid balance management and providing value-added services. Includes Text based self-care, allowing subscribers to submit self-care requests via SMS, USSD, SIP, or any other text based self-care channel. Use of Oracle Communications Network Connectivity Agents to control Voice based sessions, using protocols such as CAP, INAP, SIP, ISUP, IS-41 and IS-826 Use of Oracle Communications Network Connectivity Agents to control Text Message based sessions, using protocols such as MAP, CAP, SIP, IS-41, SMPP, UCP, and SMTP. Use of Oracle Communications Network Connectivity Agents to control Data sessions, using protocols such as DIAMETER, RADIUS, and CAP Allows use of Oracle Communications Network Connectivity Agents for SOAP based interactions, with Oracle Communications Network Charging and Control acting as either a client or a server. Prerequisites: See Oracle Communications Online Charging Controller – All Products.
	Oracle Communications Online Charging Controller for Internet of Things	Oracle Communications Online Charging Controller for use for messaging and data services for connected devices. Includes online rating and charging, balance management and value-added services. Includes Text based device management, allowing devices to submit requests via SMS, USSD, SIP, or any other text based channel. Allows use of Oracle Communications Network Connectivity Agents to control Text Message based sessions, using protocols such as MAP, CAP, SIP, IS-41, SMPP, UCP, and SMTP. Includes use of Oracle Communications Network Connectivity Agents to control Data sessions, using protocols such as DIAMETER, RADIUS, and CAP Allows use of Oracle Communications Network Connectivity Agents for SOAP based interactions, with Oracle Communications Network Charging and Control acting as either a client or a server. Restrictions: Excludes use of Oracle Communications Online Charging Controller for control or charging of any voice services via any Network Connectivity Agent.

Product	Subproduct	Licensing Description
		Prerequisites: See Oracle Communications Online Charging Controller – All Products.
	Option: Oracle Communications Recharge and Voucher Management	Management and redemption of vouchers, including definition and use of voucher types for voucher-less recharging. Prerequisites: One of the following core options must be purchased in order to license Oracle Communications Recharge and Voucher Management: • Oracle Communications Online Charging Controller for Mobile Services • Oracle Communications Online Charging Controller for Internet of Things If Automatic Voucher Deletion functionality is to be used on the Service Management Server the following Database option is required: • Oracle Database EE Option: Partitioning Also see Oracle Communications Online Charging Controller – All Products for core option requirements.
	Option: Oracle Communications Promotion Management	Definition and management of Promotions for subscribers provisioned on the Oracle Communications Network Charging and Control deployment. Includes event and tracker promotions with liability controls, subscriber base segmentation and targeting, black and white lists, and promotion notifications Prerequisites: One of the following core options must be purchased in order to license Oracle Communications Promotion Manager • Oracle Communications Online Charging Controller for Mobile Services • Oracle Communications Online Charging Controller for Internet of Things Also see Oracle Communications Online Charging Controller – All Products for core option requirements.
	Option: Oracle Communications Subscriber Self-Care	Includes Text based device management, allowing devices to submit requests via SMS, USSD, SIP, or any other text based channel. Prerequisites and Inclusions: Also see Oracle Communications Online Charging Controller – All Products. Note: This functionality is included with Oracle Communications Online Charging Controller core options and does not need to be licensed separately when that product is licensed.
Oracle Communications Messaging Manager	Oracle Communications Messaging Manager – All Products	IN-based messaging applications (e.g., prepaid messaging, First Delivery Attempt SMS, anti-spam). For any deployment of Oracle Communications Messaging Manager, the customer first has to purchase one of the following core options: • Oracle Communications Messaging Manager • Oracle Communications Express Delivery Routing All the core options have the same inclusions and pre-requisites. Prerequisites: • Oracle Database Standard Edition, Standard Edition One or Standard Edition 2 for each Service Logic Controller deployed. • Oracle Database Enterprise Edition for the Service Management System • Oracle Database EE Option: Partitioning for the Service Management System • Oracle Database EE Option: Real Application Clusters if RAC clustering is required for the Service Management System Additionally, the following licenses must also be purchased: • Oracle Communications Control Plan Editor • Oracle Communications Messaging Control Agents

Product	Subproduct	Licensing Description
	Oracle Communications Messaging Manager	Originating, Terminating and ASP messaging, Home Routing, Protocol Conversion, Anti-Fraud, Personal Message exchange, Prerequisites: See Oracle Communications Messaging Manager – All Products
	Oracle Communications Express Delivery Routing	Delivery of SMS notifications to the subscriber's mobile device via the MSC and allowing fall back to a SMSC for store and retry if the message cannot be delivered. Prerequisites: See Oracle Communications Messaging Manager – All Products.
Oracle Communications Number Services Manager	Oracle Communications Number Services Manager – All Products	IN-based number routing applications (e.g., Number Portability, Least Cost Routing, VPN). For any deployment of Oracle Communications Number Services Manager, the customer first has to purchase one of the following core options: • Oracle Communications Advanced Control Services Gateway • Oracle Communications Number Portability for Charging All the core options have the same inclusions and pre-requisites. Each is restricted to particular services. Prerequisites: • Oracle Database Standard Edition, Standard Edition One or Standard Edition 2 for each Service Logic Controller deployed. • Oracle Database Enterprise Edition for the Service Management System • Oracle Database EE Option: Partitioning for the Service Management System • Oracle Database EE Option: Real Application Clusters if RAC clustering is required for the Service Management System Additionally, the following licenses must also be purchased: • Oracle Communications Control Plan Editor • Oracle Communications Voice Control Agents if Voice based services are to be offered • Oracle Communications Messaging Control Agents if Message based services are to be offered.
	Oracle Communications Advanced Control Services Gateway	Terminating and originating number routing services, such as Freephone, Premium Line, Least Cost Routing and Virtual Private Network services. Prerequisites: See Oracle Communications Number Services Manager – All Products
	Oracle Communications Number Portability for Charging	Number Portability services for fixed and mobile devices, including ENUM database and lookup. Prerequisites: See Oracle Communications Number Services Manager – All Products
Oracle Communications Control Plan Editor	Oracle Communications Control Plan Editor	Graphical configuration of Session and Event service logic for all Oracle Communications Network Charging and Control based services. Prerequisites: One of the following core options must be purchased in order to license Oracle Communications Control Plan Editor: • Oracle Communications Online Charging Controller for Mobile Services • Oracle Communications Online Charging Controller for Internet of Things • Oracle Communications Messaging Manager • Oracle Communications Express Delivery Routing • Oracle Communications Advanced Control Services Gateway • Oracle Communications Number Portability for Charging

Product	Subproduct	Licensing Description
Oracle Communications Network Connectivity Agents	Oracle Communications Network Connectivity Agents – All Options	Prerequisites: These agents can be purchased with any of the products of the following two applications: Oracle Communications Messaging Manager • Oracle Communications Messaging Manager • Oracle Communications Express Delivery Routing Oracle Communications Number Services Manager • Oracle Communications Advanced Control Services Gateway • Oracle Communications Number Portability for Charging Note: Oracle Communications Network Connectivity Agent licenses are included with the Oracle Communications Online Charging Controller core options as defined in the description of each core option. Oracle Communications Online Charging Controller for Internet of Things does not include Oracle Communications Voice Control Agents.
	Oracle Communications Voice Control Agents	Use of Oracle Communications Network Connectivity Agents to control Voice based sessions, using protocols such as CAP, INAP, SIP, ISUP, IS-41 and IS-826 Prerequisites: See Oracle Communications Network Connectivity Agents – All Options
	Oracle Communications Messaging Control Agents	Use of Oracle Communications Network Connectivity Agents to control Message based sessions, using protocols such as MAP, CAP, SIP, IS-41, SMPP, UCP, and SMTP. Prerequisites: See Oracle Communications Network Connectivity Agents – All Option
	Oracle Communications Data Control Agents	Use of Oracle Communications Network Connectivity Agents to control Data sessions, using protocols such as DIAMETER, RADIUS, and CAP Prerequisites: See Oracle Communications Network Connectivity Agents – All Options
	Oracle Communications Open Service Development	Use of Oracle Communications Network Connectivity Agents for SOAP based interactions, with Oracle Communications Network Charging and Control acting as either a client or a server. Prerequisites: See Oracle Communications Network Connectivity Agents – All Options

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=====
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- Jackson 2.12.0
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- Lucene 8.7.0
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<analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt>,
<analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt>,
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- Snakeyaml 1.26

snakeyaml NOTICE

The art of simplicity is a puzzle of complexity.

Overview

[YAML](<http://yaml.org>) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

SnakeYAML features

- * a **complete** [YAML 1.1 processor](<http://yaml.org/spec/1.1/current.html>). In particular, SnakeYAML can parse all examples from the specification.
- * Unicode support including UTF-8/UTF-16 input/output.
- * high-level API for serializing and deserializing native Java objects.
- * support for all types from the [YAML types repository](<http://yaml.org/type/index.html>).
- * relatively sensible error messages.

Info

- * [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
- * [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

Contribute

- * Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
- * If you find a bug in SnakeYAML, please [file a bug report](https://bitbucket.org/asomov/snakeyaml/issues?status=new&status=open).
- * You may discuss SnakeYAML at [the mailing list](http://groups.google.com/group/snakeyaml-core).

- t-digest 3.2

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The code for the t-digest was originally authored by Ted Dunning. A number of small but very helpful changes have been contributed by Adrien Grand (<https://github.com/jpountz>)

- Netty 4.1.49

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- httpcore-nio 4.4.12

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- Compiler 0.9.6 - Copyright 2010 RightTime, Inc.
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- parent-join-client 7.10.0
- percolator-client 7.10.0
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-      ingest-attachment 7.10.0
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