Oracle® Communications Network Charging and Control

Licensing Information User Manual

Release 15.0.0.0.0

F87601-01

October 2023

ORACLE

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Contents

Introduction **1**

Licensing Information **2**

Third-Party Notices **6**
Open Source or Other Separately Licensed Software 6

Third-Party Licenses **12**
Apache License, Version 2.0 12
Boost Software License 14
Douglas C. Schmidt License (ACE) 20
International Components for Unicode License 22
Massachusetts Institute of Technology License 31
World Wide Web Consortium License 31
Quality Open Software 31
Fluentd 32
Prometheus 40
Log4J-core 161
Log4J-API 168
Kafka-client 173
jersey-hk2 187
jersey-media-json-jackson 216
Jackson-databind 240
Eclipse Public License - v 2.0 246
jackson-annotations 269
jackson-core 273
jackson-module-jaxb-annotations 278
Jakarta XML Binding API (JAXB) 285
jakarta.xml.ws-api 286
Helidon 289

Introduction

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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:**

Product	Subproduct	Licensing Description
		Excludes use of Oracle Communications Online Charging Controller for control or charging of any voice services via any Network Connectivity Agent. **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

Product	Subproduct	Licensing Description
		• Oracle Communications Messaging Control Agents
	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 Thigs 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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The Apache Software Foundation	log4j-core 2.20.0	Java logging	Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ This product includes software developed by The Apache Software Foundation (http://www.apache.org/). For a copy of the license, see Log4J-core
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Quality Open Software	slf4j-api 1.7.35	Simple facade or abstraction for various logging frameworks	Copyright (c) 2004-2022 QOS.ch Sarl (Switzerland) All rights reserved. For a copy of the license, see Quality Open Software
Fluentd Authors	Fluentd 1.14.6	Unify the logging infrastructure	Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ Copyright 2011-2018 Fluentd Authors For a copy of the license, see Fluentd
The Prometheus Authors	Prometheus 2.40.0	Systems and service monitoring system	Apache License Version 2.0, January 2004 http://www.apache.org/licenses/ For a copy of the license, see Prometheus
Eclipse Foundation	jersey-media-json-jackson 2.35	Convert Java objects to json in REST API	jersey-media-json-jackson (EPL 2.0, GPL 2.0 with CPE) For a copy of the license, see jersey-media-json-jackson
The Apache Software Foundation	Kafka-clients 3.5.1	Message streaming and notifications	Apache Kafka Copyright 2023 The Apache Software Foundation. For a copy of the license, see Kafka-Client
Eclipse Foundation	jersey-hk2:jar:2.35 jersey-common:jar:2.35 jakarta.ws.rs-api:jar:2.1.6 jakarta.annotation-api:jar:1.3.5 jakarta.inject:jar:2.6.1 osgi-resource-locator:jar:1.0.3 hk2-locator:jar:2.6.1 aopalliance-repackaged:jar:2.6.1 hk2-api:jar:2.6.1 hk2-utils:jar:2.6.1 javassist-3.25.0-GA.jar	REST framework that provides JAX-RS Reference Implementation	jersey-inject-hk2 (org.glassfish.jersey.inject:jersey-hk2) Copyright (c) 2017,2021 Oracle and/or its affiliates. All rights reserved. For a copy of the license, see Jersey-hk2
FasterXML, LLC	jackson-databind 2.15.2	General purpose data serialization library for Java	NOTICE FILE: ========== # Jackson JSON processor

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			Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers. ## Licensing Jackson 2.x core and extension components are licensed under Apache License 2.0 To find the details that apply to this artifact see the accompanying LICENSE file. ## Credits A list of contributors may be found from CREDITS(-2.x) file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses. For a copy of the license, see Jackson-databind
FasterXML, LLC	jackson-annotations 2.15.2	For parsing JSON formats	# Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers. ## Copyright Copyright 2007-, Tatu Saloranta (tatu.saloranta@iki.fi) ## Licensing Jackson 2.x core and extension components are licensed under Apache License 2.0 To find the details that apply to this artifact see the accompanying LICENSE file. ## Credits A list of contributors may be found from CREDITS(-2.x) file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses. Licensed under the Apache License, Version 2.0 (the "License"); For a copy of the license, see jackson-annotations
FasterXML, LLC	jackson-core 2.15.2	For parsing JSON formats	# Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers. ## Copyright Copyright 2007-, Tatu Saloranta (tatu.saloranta@iki.fi) ## Licensing

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FasterXML, LLC	jackson-module-jaxb-annotations 2.15.2	Provides support for using JAXB (javax.xml.bind) annotations as an alternative to native Jackson annotations	# Jackson JSON processor Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com. ## Licensing Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com). ## Credits A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses. Licensed under the Apache License, Version 2.0 (the "License"); For a copy of the license, see jackson-module-jaxb-annotations
Eclipse Foundation	jersey-media-json-jackson:jar:2.35 org.glassfish.jer	Required to convert Java objects to json in REST API	1. The follow files are available in source code form under the Eclipse Public License at: {INSERT WEBSITE WHERE SOURCE CODE IS AVAILABLE}. (The EPL license is reproduced below).

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File: aclocal.m4 (only for ICU4C)
Section: pkg.m4 - Macros to locate and utilise pkg-config.

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yajl-ruby

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github.com/alecthomas/units
github.com/armon/go-metrics
github.com/asaskevich/govalidator
github.com/beorn7/perks
github.com/cenkalti/backoff/v4
github.com/cespare/xxhash/v2
github.com/dennwc/varint
github.com/emicklei/go-restful/v3

github.com/fatih/color
github.com/felixge/httpsnoop
github.com/go-kit/kit
github.com/go-kit/log
github.com/go-logfmt/logfmt
github.com/go-resty/resty/v2
github.com/golang-jwt/jwt/v4
github.com/hashicorp/go-hclog
github.com/hetznercloud/hcloud-go
github.com/josharian/intern
github.com/jpillora/backoff
github.com/json-iterator/go
github.com/kolo/xmlrpc
github.com/linode/linodego
github.com/mailru/easyjson
github.com/mattn/go-colorable
github.com/mattn/go-isatty
github.com/mitchellh/mapstructure
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#02 org.lz4:lz4-java:jar
#03 org.xerial.snappy:snappy-java:jar
#04 org.osgi:org.osgi.core:jar
#05 org.slf4j:slf4j-api:jar

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Fourth party #01 : com.github.luben:zstd-jni:jar

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jersey-hk2

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Jackson-databind

com.fasterxml.jackson.core:jackson-databind

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jackson-core

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jackson-module-jaxb-annotations - NOTICE
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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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FOURTH-PARTY DEPENDENCY #1 jakarta.xml.bind:jakarta.xml.bind-api 2.3.3
FOURTH-PARTY DEPENDENCY #2 jakarta.activation:jakarta.activation-api:1.2.2
FOURTH-PARTY DEPENDENCY #3 jakarta.xml.soap:jakarta.xml.soap-api:1.4.2 (*)
FOURTH-PARTY DEPENDENCY #4 jakarta.jws:jakarta.jws-api:2.1.0

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hk2-api-2.5.0-b42.jar
hk2-locator-2.5.0-b42.jar
hk2-utils-2.5.0-b42.jar
osgi-resource-locator-1.0.1.jar

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