Oracle® Communications Convergent Charging Controller

Licensing Information User Manual

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ORACLE

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Licensing Information

Product	Subproduct	Licensing Description
Oracle Communications Convergent Charging Controller	Oracle Communications Convergent Charging Controller – All Core Options	Service control and online mediation for voice, data, and value-added services, and voucher management For any deployment of Oracle Communications Convergent Charging Controller, the customer first has to purchase one of the following core options: • Oracle Communications Convergent Charging Controller • Oracle Communications Voucher Management Server All of the core options have the same pre-requisite. Oracle Communications Voucher Management Server should be licensed when positioning Voucher Management as standalone solution to be integrated with Oracle Communications Billing and Revenue Management Suite or any Online Charging System. If Voucher Management functionalities are needed alongside core capabilities of Convergent Charging Controller, then Oracle Communications Convergent Charging Controller license together with Oracle Communications Recharge and Voucher Management license should be purchased. **Prerequisites:** • 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 if RAC clustering is required for the Service Management System
	Oracle Communications Convergent Charging Controller	Oracle Communications Convergent Charging Controller for charging session control only and for all communications sessions (prepaid and postpaid, voice, SMS and IP). **Restrictions:** Does not include the right to use Oracle Communications Convergent Charging Controller for rating, charging or balance management. **Prerequisites:** See Oracle Communications Convergent Charging Controller – All Core Options. Additionally, the following license must also be purchased: • Oracle Communications Control Plan Editor **Inclusions:** A license to Oracle Communications Convergent Charging Controller includes restricted-use licenses to Oracle Communications Open Service Development, Oracle Communications Subscriber Self Care, Oracle Communications Data Control Agents, Oracle Communications Voice Control Agents and Oracle Communications Message Control Agents.

Product	Subproduct	Licensing Description
		Use of Oracle Communications Open Service Development, Oracle Communications Subscriber Self Care, Oracle Communications Data Control Agents, Oracle Communications Voice Control Agents and Oracle Communications Message Control Agents is restricted to control of network sessions that are to be managed by Oracle Communications Convergent Charging Controller.
	Oracle Communications Voucher Management Server	Oracle Communications Convergent Charging Controller for use only for the management and redemption of Vouchers. **Restrictions:** Does not include the right to use Oracle Communications Convergent Charging Controller for rating, charging or balance management. **Prerequisites:** See Oracle Communications Convergent Charging Controller – All Core Options. Additionally, 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 **Inclusions:** A license to Oracle Communications Voucher Management Server includes restricted-use licenses to Oracle Communications Recharge and Voucher Management, Oracle Communications Open Service Development, Oracle Communications Subscriber Self Care, Oracle Communications Control Plan Editor, Oracle Communications Voice Control Agents and Oracle Communications Message Control Agents. Use of Oracle Communications Recharge and Voucher Management, Oracle Communications Open Service Development, Oracle Communications Subscriber Self Care, Oracle Communications Control Plan Editor, Oracle Communications Voice Control Agents and Oracle Communications Message Control Agents is restricted to redemption of vouchers.
	Option: Oracle Communications Notification Gateway	Consume Oracle Communications Advanced Billing and Revenue Management internal notifications to send SMS, USSD or Email notifications to subscribers. **Prerequisites:** One of the following core options must be purchased in order to license Oracle Communications Notification Gateway • Oracle Communications Convergent Charging Controller • Oracle Communications Voucher Management Server
	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 Convergent Charging Controller 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

Product	Subproduct	Licensing Description
	Option: Oracle Communications Subscriber Self Care	Text based self-care, allowing subscribers to submit self-care requests via SMS, USSD, SIP, or any other text-based self-care channel. This license is included as a restricted use license with Oracle Communications Convergent Charging Controller and Oracle Communications Voucher Management Server and is listed here for informational purposes.
Oracle Communications Messaging Manager	Oracle Communications Messaging Manager – All Core Options	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 Enterprise Edition, Oracle Database Standard Edition, Standard Edition One or Standard Edition 2 for the Service Logic Controllers. • 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 license must also be purchased: • Oracle Communications Control Plan Editor • 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 Core Options.
	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 Core Options.
Oracle Communications Number Services Manager	Oracle Communications Number Services Manager – All Core Options	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.

Product	Subproduct	Licensing Description
		Prerequisites: • Oracle Database Enterprise Edition, Oracle Database Standard Edition, Standard Edition One or Standard Edition 2 for the Service Logic Controllers. • 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 Core Options.
	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 Core Options.
Oracle Communications Control Plan Editor	Oracle Communications Control Plan Editor	Graphical configuration of Session and Event service logic for all Oracle Communications Convergent Charging Controller based services. **Prerequisites:** One of the following core options must be purchased in order to license Oracle Communications Control Plan Editor: • Oracle Communications Convergent Charging Controller • Oracle Communications Messaging Manager • Oracle Communications Express Delivery Routing • Oracle Communications Advanced Control Services Gateway • Oracle Communications Number Portability for Charging
Oracle Communications Network Connectivity Agents	Oracle Communications Network Connectivity Agents – All Options	**Prerequisites:** These agents can be purchased with any of the core products of the following three applications: **Oracle Communications Convergent Charging Controller** These licenses are included as restricted use licenses with Oracle Communications Convergent Charging Controller and Oracle Communications Voucher Management Server.

Product	Subproduct	Licensing Description
		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
	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 Text Message based sessions, using protocols such as MAP, CAP, SIP, IS-41, SMPP, UCP, and SMTP. **Prerequisites:** See Oracle Communications Network Connectivity Agents – All Options
	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 Convergent Charging Controller acting as either a client or a server. **Prerequisites:** See Oracle Communications Network Connectivity Agents – All Options

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Provider	Component(s)	Functionality	Licensing Information
The Apache Software Foundation	Apache License Version 2.0	License detail. See below for use.	This product includes software developed by The Apache Software Foundation (http://www.apache.org/). The following applies to all products licensed under the Apache 2.0 License: You may not use the identified files except in compliance with the Apache License, Version 2.0 (the “License.”) You may obtain a copy of the License at http://www.apache.org/licenses/LICENSE-2.0. For a copy of the license, see Apache License, Version 2.0.
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The Prometheus Authors	Prometheus 3.0.1	Systems and service monitoring system	The Prometheus systems and service monitoring server Copyright 2012-2015 The Prometheus Authors For a copy of the license, see Prometheus
Eclipse Foundation	jersey-hk2: 3.1.9	REST framework that provides	jersey-inject-hk2 (org.glassfish.jersey.inject:jersey-hk2)

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Eclipse Foundation	jersey-client 3.1.9	Open source framework for developing RESTFul Web Services. It also has great inbuilt client capabilities	This content is produced and maintained by the Eclipse Jersey project For a copy of the license, see jersey-client
FasterXML, LLC	Jackson Databind 2.17.2	General purpose data serialization library for Java	NOTICE FILE: # 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. ## 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 2.17.2	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

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FasterXML, LLC	Jackson Core 2.17.2	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. ## FastDoubleParser jackson-core bundles a shaded copy of FastDoubleParser <https://github.com/wrandelshofer/FastDoubleParser>. That code is available under an MIT license https://github.com/wrandelshofer/FastDoubleParser/blob/main/LICENSE under the following copyright. Copyright © 2023 Werner Randelshofer, Switzerland. MIT License. See FastDoubleParser-NOTICE for details of other source code included in FastDoubleParser and the licenses and copyrights that apply to that code. Licensed under the Apache License, Version 2.0 (the "License"); For a copy of the license, see jackson-core
FasterXML, LLC	jackson-module-jaxb-annotations 2.17.2	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

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Eclipse Foundation	jersey-media-json-jackson 3.1.9	Required to convert Java objects to json in REST API	jersey-media-json-jackson (EPL 2.0, GPL 2.0 with CPE) Oracle elects EPL-2.0. For a copy of the license, see EPL
Oracle Corporation	Helidon 4.1.6	Collection of Java libraries for writing microservices	For a copy of the license, please see Helidon
Eclipse Foundation	jakarta.xml.ws-api 4.0.2	Jakarta XML Web Services defines a means for implementing XML-Based Web Services based on Jakarta SOAP with Attachments and Jakarta Web Services Metadata.	Copyright (c) 2017, 2018 Oracle and/or its affiliates. All rights reserved. For a copy of the license, see jakarta.xml.ws-api
Eclipse Foundation	jakarta.xml.bind-api 4.0.2	API for Jakarta XML Binding (JAXB)	Copyright (c) 2017, 2018 Oracle and/or its affiliates. All rights reserved. For a copy of the license, see Jakarta XML Binding API (JAXB)
FasterXML, LLC	jackson-dataformat-xml 2.17.2	Data format extension for Jackson to offer alternative support for serializing POJOs as XML	Copyright: FasterXML,LLC For a copy of the license, see Jackson-dataformat-xml

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		and deserializing XML as pojos.	
Eclipse Foundation	Glassfish-ORB 4.2.5	The ORB (Object Request Broker) is a key component for enabling CORBA (Common Object Request Broker Architecture) in Java applications.	For a copy of the license, see glassfish-corba-orb

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

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#01 com.github.luben:zstd-jni:jar - 1.5.6-3
#02 org.lz4:lz4-java:jar - 1.8.0
#03 org.xerial.snappy:snappy-java:jar - 1.1.10.5

#04 org.slf4j:slf4j-api:jar - 1.7.36
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"Javassist" (org.javassist:javassist)
 org.javassist:javassist

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Javassist (JAVA programming ASSISTant) makes Java bytecode manipulation simple. It is a class library for editing bytecodes in Java; it enables Java programs to define a new class at runtime and to modify a class file when the JVM loads it. Unlike other similar bytecode editors, Javassist provides two levels of API: source level and bytecode level. If the users use the source- level API, they can edit a class file without knowledge of the specifications of the Java bytecode. The whole API is designed with only the vocabulary of the Java language. You can even specify inserted bytecode in the form of source text; Javassist compiles it on the fly. On the other hand, the bytecode-level API allows the users to directly edit a class file as other editors.

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* Project: https://wiki.openjdk.java.net/display/CodeTools/sigtest
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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