

**Oracle® Communications
Order and Service Management**

Licensing Information User Manual

Release 7.4.1

F30319-02

November 2022

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Oracle Communications Order and Service Management Deployment Options	Oracle Communications Order and Service Management Cloud Native Option	<p>Oracle Communications Order and Service Management Cloud Native Option enables new and existing customers to deploy Oracle Communications Order and Service Management in a containerized cloud native environment on public or private cloud infrastructure, leveraging cloud native technologies like Docker, Kubernetes, Helm, etc.</p> <p>Prerequisites:</p>

Product	Subproduct	Licensing Description
		<p>Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator.</p> <p>Restrictions:</p> <p>This module is only available with Oracle Communications Order and Service Management 7.4.1 or above.</p>
Oracle Communications Order and Service Management Functional Modules	Oracle Communications Order and Service Management Module: Revision and Cancellation Order Manager	<p>Oracle Communications Order and Service Management Module: Revision and Cancellation Order Manager provides the capability to amend in-flight orders to compensate for revisions or cancellations to an order.</p> <p>Prerequisites:</p> <p>Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator.</p>
	Oracle Communications Order and Service Management Module: Orchestration Plan Manager	<p>Oracle Communications Order and Service Management Module: Orchestration Plan Manager provides capabilities to transform and decompose orders and generate and execute orchestration plans for orders.</p> <p>Prerequisites:</p> <p>Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator.</p> <p>Restrictions:</p> <p>This module is only available with Oracle Communications Order and Service Management 7.0 or above.</p>
	Oracle Communications Order and Service Management Module: Clustering	<p>Oracle Communications Order and Service Management Module: Clustering enables the use of Oracle WebLogic Server Clustering with the Oracle Communications Order and Service Management server, improving scaling and distribution of orders across nodes, and availability with fail over of orders.</p> <p>Prerequisites:</p> <p>Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator.</p> <p>Restrictions:</p> <p>This module is only available with Oracle Communications Order and Service Management 7.0.1 or above.</p>
	Oracle Communications Order and Service Management Module: Order Transformation Manager	<p>Oracle Communications Order and Service Management Module: Order Transformation Manager provides capabilities to transform order content, such as products on a customer order into services on service orders, which are executed against provisioning systems.</p> <p>Prerequisites:</p> <p>Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator.</p> <p>Restrictions:</p> <p>This module is only available with Oracle Communications Order and Service Management 7.2.4 or above.</p>

Product	Subproduct	Licensing Description
	<p>Oracle Communications Order and Service Management Cartridge for Sales Order Fulfillment</p>	<p>Oracle Communications Order and Service Management Cartridge for Sales Order Fulfillment provides capabilities to receive Oracle Application Integration Architecture customer orders (e.g., originating from Siebel CRM), transform and decompose them, provide status updates for them, manage order fallout, and generate trouble tickets (via Oracle Application Integration Architecture). Supported requests/responses to and from other systems using this cartridge are to be performed via Oracle Application Integration Architecture.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Order to Cash Integration Pack for Oracle Communications Order and Service Management • Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator • Oracle Communications Order and Service Management Module: Orchestration Plan Manager • Oracle Communications Order and Service Management Module: Revision and Cancellation Order Manager <p>Restrictions:</p> <p>This module is only available with Oracle Communications Order and Service Management 7.0.1 or above.</p>
	<p>Oracle Communications Order and Service Management Cartridge for Billing Fulfillment</p>	<p>Oracle Communications Order and Service Management Cartridge for Billing Fulfillment provides capabilities to execute functions against billing systems (e.g., Oracle Communications Billing and Revenue Management) connected to the Oracle Application Integration Architecture infrastructure. Supported requests/responses to and from other systems using this cartridge are to be performed via Oracle Application Integration Architecture.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Order to Cash Integration Pack for Oracle Communications Order and Service Management • Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator • Oracle Communications Order and Service Management Module: Orchestration Plan Manager • Oracle Communications Order and Service Management Module: Revision and Cancellation Order Manager <p>Restrictions:</p> <p>This module is only available with Oracle Communications Order and Service Management 7.0.1 or above.</p>
	<p>Oracle Communications Order and Service Management Cartridge for Provisioning Fulfillment</p>	<p>Oracle Communications Order and Service Management Cartridge for Provisioning Fulfillment provides capabilities to execute orders against provisioning systems (e.g., Oracle Communications Order and Service Management) connected to the Oracle Application Integration Architecture infrastructure. Supported requests/responses to and from other systems using this cartridge are to be performed via Oracle Application Integration Architecture.</p> <p>Prerequisites:</p> <ul style="list-style-type: none"> • Oracle Communications Order to Cash Integration Pack for Oracle Communications Order and Service Management • Oracle Communications Order and Service Management Server or Oracle Communications Order and Service Management Server for IP Service Activator

Product	Subproduct	Licensing Description
		<ul style="list-style-type: none"><li data-bbox="776 247 1360 300">• Oracle Communications Order and Service Management Module: Orchestration Plan Manager<li data-bbox="776 315 1360 367">• Oracle Communications Order and Service Management Module: Revision and Cancellation Order Manager <p data-bbox="776 382 906 403">Restrictions:</p> <p data-bbox="776 420 1425 472">This module is only available with Oracle Communications Order and Service Management 7.0.1 or above.</p>

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Rodney Rehm	jQuery Context Menu 2.8	GUI	The MIT License https://opensource.org/licenses/mit-license For a copy of the license, see The MIT License .
Apache Software Foundation	commons configuration 2.7	Application Server support	Licensed under the Apache License, Version 2.0: http://www.apache.org/licenses/LICENSE-2.0 For a copy of the license, see Apache License, Version 2.0 .
Apache Software Foundation	Ant 1.9.15	Builds	Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at:
	Commons Codec 1.12	Text Processing Utilities	

Provider	Component(s)	Functionality	Licensing Information
	HTTP Components Core 4.4.12	HTTP	http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License. For a copy of the license, see Apache License, Version 2.0 .
	Commons Collections 4.4	Application Server Support	
	Commons HttpClient 4.5.7	FTP-HTTP	
	Commons IO 2.6	Application Server Support	
	Commons Lang 3.9	Java Platform	
	Commons Math v3.6.2-9e7c7c1	Math Library	
	Commons Pool 2.6.1	Application Server Support	
	Commons-vfs 2.4.1	Virtual File System	
	Commons Logging v1.2-9f99a00	Application Server Support	
	Xalan Java v2.7.2	XSLT Style Sheet	
	Xerces2 2.12.1	XML Parser	
	XMLBeans 3.1.0	Application Server Support	
	Commons Text 1.8	Application Server Support	
	Commons BeanUtils 1.9.4	Application Server Support	
	Maven 3.6.3	Application Build	
Dmitry Baranovskiy	Raphael 2.3	GUI	The MIT License https://github.com/DmitryBaranovskiy/raphaeljs.com/blob/master/license.html For a copy of the license, see The MIT License .

Provider	Component(s)	Functionality	Licensing Information
Eclipse Foundation	AspectJ 1.9.4	Logging	Mozilla Public License Version 1.1 (https://www.mozilla.org/en-US/MPL/1.1/) For a copy of the license, see Mozilla Public License Version 1.1 .
JBoss	Cache 1.4.1.SP14	Data Access	This software is to be separately procured by the customer. http://sourceforge.net/projects/jboss/files/JBossCache/JBossCache%201.4.1.SP13/ For a copy of the license, see GNU Library General Public License .
JS Foundation and other contributors	jQuery 3.4.1	GUI	The MIT License https://jquery.org/license/ Copyright (c) 2009 John Resig, http://jquery.com/ For a copy of the license, see The MIT License .
Microsoft Corporation	Typed Rest Client 1.7.1	Rest Client	https://github.com/Microsoft/typed-rest-client/blob/master/LICENSE
Vladimir Alarcon	Java Text Table Formatter 1.2.4	Log Output Formatting	Licensed under the Apache License, Version 2.0: http://www.apache.org/licenses/LICENSE-2.0 For a copy of the license, see Apache License, Version 2.0 .
Oracle	Javascript Extension Toolkit (JET) 9.1.0	Light weight, modern, fast JavaScript UI Toolkit	Licensed under the Universal Permissive License (UPL), Version 1.0 For a copy of the license, see The Universal Permissive License (UPL).
Oracle	WebLogic Deploy Tooling 1.8	WebLogic Configuration Metadata	https://github.com/oracle/weblogic-deploy-tooling/blob/master/LICENSE.txt
Oracle	Oracle Linux 7 Slim	Operating System for Container Images	Oracle Linux is an open-source operating system available under the GNU General Public License (GPLv2). For a copy of the license, see ORACLE LINUX LICENSE AGREEMENT.
Oracle	Oracle Instant Client 19.8.0.0.0	Oracle Database Client	Licensed under Oracle Free License https://www.oracle.com/downloads/licenses/oracle-free-license.html For a copy of the license, see Oracle Free Use Terms and Conditions

Provider	Component(s)	Functionality	Licensing Information
OWASP	OWASP Java Encoder Project 1.2.2		Licensed under the 3-Clause BSD License https://github.com/OWASP/owasp-java-encoder/blob/master/LICENSE For a copy of the license, see BSD 3-Clause License
The Werken Company	Jaxen 1.2	XPATH Engine	Licensed under the 3-Clause BSD License https://github.com/jaxen-xpath/jaxen/blob/master/LICENSE.txt For a copy of the license, see BSD 3-Clause License
QOS.ch	Simple Logging Facade for Java (SLF4J) 1.7.30	Logging	SLF4J source code and binaries are distributed under the MIT license. http://www.slf4j.org/license.html For a copy of the license, see The MIT License .
Remko Popma	Picocli 4.2.0		Licensed under the Apache License, Version 2.0: https://github.com/remkop/picocli/blob/master/LICENSE For a copy of the license, see Apache License, Version 2.0 .
Prometheus	Prometheus Java Simpleclient v0.9.0 Prometheus Java Simpleclient Servlet v0.9.0 Prometheus Java Simpleclient Hotspot v0.9.0 Prometheus Java Simpleclient Common v0.9.0	Metrics Monitoring	Licensed under the Apache License, Version 2.0: https://github.com/prometheus/client_java/blob/master/LICENSE For a copy of the license, see Apache License, Version 2.0 .

Oracle Fusion Middleware

Oracle Fusion Middleware includes Oracle WebLogic Server. The Oracle WebLogic Server license includes the following Oracle technologies:

- Oracle Java SE 8
- Linux 7 - Slim

API Dependencies

The following components are the API dependencies specific to Oracle Communications Order and Service Management Cloud Native Deployment Option. While these third-party components are not bundled with Order and Service Management, the product consumes the APIs provided by these components.

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Oracle	WebLogic Kubernetes Operator v3.0.0 (API dependency Only)	Manage OSM in Kubernetes	Licensed under the Universal Permissive License (UPL), Version 1.0 For a copy of the license, see The Universal Permissive License (UPL). https://github.com/oracle/weblogic- kubernetes-operator/blob/master/LICENSE.txt
The Kubernetes Authors	Kubernetes v1.14.8	Container Orchestration	Licensed under the Apache License, Version 2.0: https://github.com/kubernetes/kubernet es/blob/master/LICENSE For a copy of the license, see Apache License, Version 2.0 .
Docker Inc	Docker v18.09.1.0l-1.0.8	Container Platform	Licensed under the Apache License, Version 2.0: https://github.com/docker/docker- ce/blob/master/LICENSE For a copy of the license, see Apache License, Version 2.0 .
The Helm Authors	Helm v3.0.3	Application Definition and Deployment in Kubernetes Environment	Licensed under the Apache License, Version 2.0: https://github.com/helm/helm/blob/master/LIC ENSE For a copy of the license, see Apache License, Version 2.0 .
The Prometheus Authors	Prometheus Server - v2.19.0	Metrics Collection	Licensed under the Apache License, Version 2.0: https://github.com/prometheus/prometheus/bl ob/master/LICENSE For a copy of the license, see Apache License, Version 2.0 .
Containous	Traefik - v1.7.26	Ingress and Load Balancing	Licensed under the MIT License https://github.com/containous/traefik/blob/mas ter/LICENSE.md For a copy of the license, see The MIT License .

Provider	Component(s)	Functionality	Licensing Information
Open LDAP	OpenLDAP – v2.4.44-21	Directory Server	https://github.com/openldap/openldap/blob/OPENLDAP_REL_ENG_2_4_44/LICENSE For a copy of the license, see The OpenLDAP Public License.

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Version 2.0, January 2004

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Last updated: 9 October 2018