

Oracle® Communications Operations Monitor

Licensing Information User Manual

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Introduction

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Licensing Information

Product	Sub product	Licensing Description
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor – 100 Concurrent Calls Perpetual	Operations Monitor is a real-time, service monitoring, end to end troubleshooting, and analytics solution that provides unprecedented insight into Voice over IP (VoIP) and unified communications (UC) networks. Prerequisites: None Inclusions: The following features/capabilities are included part of this license: Dashboard - The Dashboard is a flexible entry page. It allows you to view the information most important to you at a glance. Alerts – Alerts page utilizes the notification system to warn you of important events called alerts. You can prioritize alerts and configure them to trigger certain actions. The Alerts page displays all alerts that have been raised. Traces - The Traces page allows you to capture, store and download packet traces of the SIP traffic. Packet Inspector – The Packet Inspector page allows users to capture, store and download packet traces of any OSI layer 2 through layer 7 traffic. KPI/Metrics - The KPI / Metrics page provides standards of measurement by which efficiency, performance, progress or quality of the platform are assessed. Calls - The Calls page is the central repository for call analysis in Operations Monitor. You can analyze call information traversing the platform in real-time or historically. This data can be inspected as a high- level overview of all active calls, or a single call and its messages in detail. Registrations - The Registrations page allows you to examine the registration events detected on the monitored platform. User Devices – Operations Monitor provides statistics for user agents (user devices) registered on the monitored platform. These statistics are based on the User- Agent header of the 'REGISTER' request. Trunks - The Trunks page presents an overview of the status of all configured trunks on the monitored platform. Devices - The Devices page shows not only an overview of all configured platform devices, but it also aggregates information about each individual platform device. User Tracking - The User Tracking page aggregates information for each user of the monitored platform and displays the history of the user's registrations and the calls. IP Tracking - The IP Tracking page aggregates information about a single IP address. It displays all users registered with the given IP address, and provides links to the User Tracking page for each user. Link Quality – The Link Quality page provides the ability to ping a public IP of a subscriber or ping the IP of a proxy. Included Products: MySQL Enterprise Edition

Product	Sub product	Licensing Description
		Restrictions: MySQL Enterprise Edition is included for use with Oracle Enterprise Operations Monitor. Use of MySQL Enterprise Edition is restricted to use with Oracle Enterprise Operations Monitor. In addition, Oracle Communications Operations Monitor license allows the use of the following infrastructure/framework components: Probe, and Mediation Engine. Exclusions: Unless explicitly licensed, the following Oracle Communications Session Monitor products or extensions are not part of the Oracle Communications Operations Monitor license: • Oracle Communications Fraud Monitor and associated extensions • Oracle Communications Control Plane Monitor and associated extensions • Oracle Communications Operations Monitor Extensions
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Media Quality Extension - 100 Concurrent Calls Perpetual	This extension provides various capabilities to monitor and troubleshoot quality of service in VoIP networks. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license: Voice Quality - Voice Quality page allows you to analyze the transmission effects of the network on the voice quality as perceived by the users of the VoIP platform.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Applications Support Extension - 100 Concurrent Calls Perpetual	This extension provides scripting capability for unique customer requirements. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license: Applications - Applications page allows you to extend the reporting capability. You can upload an app to customize the queries and report information provided by Oracle Communications Operations Monitor.

Product	Sub product	Licensing Description
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, REST API Extension - 100 Concurrent Calls Perpetual	This extension provides the ability to programmatically extract information from another software system via RESTful technologies. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license: REST API – An API based on RESTful technologies for machine-to-machine interaction.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, CDR Generation Extension - 100 Concurrent Calls Perpetual	This extension provides accounting records in the form of Call Detail Records (CDR). This is typically used for billing purposes. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Inclusions: Only the following features/capabilities are included part of this license: CDR – A set of call details available in a structured form for another program to consume call information for billing or other types of analysis.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Gateway Controls Protocols Extension - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for Gateway control protocols. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Diameter Protocol Extension - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for Diameter (Cx interface only) control protocols. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. Exclusions: Note this extension does not include any of the diameter interfaces supported in Oracle Communications Control Plane Monitor.

Product	Sub product	Licensing Description
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, ENUM Protocol Extension - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for ENUM control protocols. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, SIGTRAN Protocol Extension - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for SIGTRAN control protocols. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Mediation Engine Connector Extension - 100 Concurrent Calls Perpetual	This extension provides aggregated views across multiple mediation engines for an end-to-end view in a multi-region/datacenter deployment. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Skype for Business Extension - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for Skype for Business call flows. Prerequisites: Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.

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Armin Ronacher	click 6.6	Used for creating Command Line Functionality	Copyright (c) 2014 by Armin Ronacher. Click uses parts of optparse written by Gregory P. Ward and maintained by the Python software foundation. This is limited to code in the parser.py module:

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Benoît Chesneau	python-gunicorn 18.0-2	A Python WSGI HTTP Server for UNIX	2009-2017 (c) Benoît Chesneau 2009-2015 (c) Paul J. Davis For a copy of the license, see python-gunicorn License.
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BSD-3-Clause	Markupsafe 0.23	Implements a XML/HTML/XHTML Markup safe string for Python	For a copy of the license, see BSD-3-Clause License .
Brandon Nielsen	python-aniso8601 1.2.0	A library for parsing ISO 8601 strings.	Copyright (c) 2016, Brandon Nielsen All rights reserved. For a copy of license, see python-aniso8601 License .
Brian Granger, Min Ragan-Kelley	pyzmq 16.0.1	Python bindings for ZMQ	Copyright (c) 2009-2012, Brian Granger, Min Ragan-Kelley All rights reserved. For a copy of license, see the PyZMQ License .
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David Beazley	PLY 3.9	x/yacc implementation	PLY (Python Lex-Yacc) Version 3.9 Copyright (C) 2001-2016 David M. Beazley (Dabeaz LLC) All rights reserved. For a copy of the license, see PLY License .

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Dmitry Baranovskiy	Raphael 1.4.7	A library for rendering SVG graphics in a browser	Copyright (c) 2008-2010 Dmitry Baranovskiy For a copy of license, see The MIT License .
Eric Haszlakiewicz	json-c 0.11	JSON manipulation library - shared library	Copyright (c) 2009-2012 Eric Haszlakiewicz Copyright (c) 2004, 2005 Metaparadigm Pte. Ltd. Michael Clark michael@metaparadigm.com Copyright (c) 2013 Metaparadigm Pte. Ltd. Copyright (c) 2009 Hewlett-Packard Development Company, L.P. Copyright (c) 2008-2009 Yahoo! Inc. All rights reserved. Copyright (c) 2009-2012 Hewlett-Packard Development Company, L.P. For a copy of the license, see The MIT License .
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Free Software Foundation	libstdc++ 4.8.5	Runtime support for C++ programs	GNU LESSER GENERAL PUBLIC LICENSE Version 3, 29 June 2007 Copyright (C) © 2007 Free Software Foundation, Inc.

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Eli Bendersky	pycparser 2.17	Parses C code into an AST and can serve as a front-end for C compilers or analysis	Copyright (c) 2008-2017, Eli Bendersky All rights reserved. For a copy of the license, see pycparser License .
Facebook Inc.	jemalloc 4.2.1	Memory management system of the standard C library	Copyright (C) 2002-2017 Jason Evans <jasone@canonware.com>. All rights reserved. Copyright (C) 2007-2012 Mozilla Foundation. All rights reserved. Copyright (C) 2009-2017 Facebook, Inc. All rights reserved. For a copy of the license, see Jemalloc Allocator .
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Gustavo Niemeyer	python-dateutil 2.6.0	Extensions to the standard Python datetime module	Copyright (c) 2003-2011 - Gustavo Niemeyer <gustavo@niemeyer.net> Copyright (c) 2012-2014 - Tomi Pieviläinen <tomi.pievilainen@iki.fi> Copyright (c) 2014 - Yaron de Leeuw <me@jarondl.net> All rights reserved. For a copy of license, see the python-dateutil License.
Gustavo Narea	repoze.who-friendlyform 1.0.8	Create web forms that redirect and interact with the library Repoze.who	Author: Agendaless Consulting <repoze-dev@lists.repoze.org> Files: * Copyright: Copyright © 2007 Agendaless Consulting and Contributors For a copy of the license, see Repoze License.
Ian Bicking	paste 1.7.5.1	Tools for using a Web Server Gateway Interface stack	Copyright (c) 2006-2007 Ian Bicking and Contributors For a copy of the license, see The MIT License.

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Ilya Etingof	PySMI 0.0.7	A pure-Python implementation of SNMP/SMI MIB parsing and conversion library	Copyright (c) 2015-2016 Ilya Etingof <ilya@glas.net> All rights reserved. For a copy of the license, see PySMI License .
Ilya Etingof	PySNMP 4.3.2	Python SNMP library for agents and managers	Copyright (c) 2005-2016, Ilya Etingof <ilya@glas.net> All rights reserved. For a copy of the license, see PySNMP License . asyncio extra copyrights =====
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hash.c

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hash.c: chained hash tables

Reference: Your favorite introductory book on algorithms

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Author: breese@users.sourceforge.net

list.c

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list.c: lists handling implementation

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trio.c, triop.h, triostr.c, triostr.h

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triodef.h, trionan.c, trionan.h

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trio.h

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six 1.10.0

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