

# **Oracle® Communications Operations Monitor**

Licensing Information User Manual

Release 5.2.0

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## Licensing Information

Product	Sub product	Licensing Information
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor – 100 Concurrent Calls Perpetual	<p>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.</p> <p><b>Prerequisites:</b></p> <p>None</p> <p><b>Inclusions:</b></p> <p>The following features/capabilities are included part of this license:</p> <p><b>Dashboard</b> - The Dashboard is a flexible entry page. It allows you to view the information most important to you at a glance.</p> <p><b>Alerts</b> – 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.</p> <p><b>Traces</b> - The Traces page allows you to capture, store and download packet traces of the SIP traffic.</p> <p><b>Packet Inspector</b> – The Packet Inspector page allows users to capture, store and download packet traces of any OSI layer 2 through layer 7 traffic.</p> <p><b>KPI/Metrics</b> - The KPI / Metrics page provides standards of measurement by which efficiency, performance, progress or quality of the platform are assessed.</p> <p><b>Calls</b> - 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.</p> <p><b>Registrations</b> - The Registrations page allows you to examine the registration events detected on the monitored platform.</p> <p><b>Non-call traffic</b> - The subscriptions page allows you to monitor non-call traffic (Presence events) such as Subscribe, Notify, Publish</p> <p><b>User Devices</b> – Operations Monitor provides statistics for user agents (user devices) registered on the monitored platform.</p> <p>These statistics are based on the User- Agent header of the 'REGISTER' request.</p> <p><b>Trunks</b> - The Trunks page presents an overview of the status of all configured trunks on the monitored platform.</p> <p><b>Devices</b> - The Devices page shows not only an overview of all configured platform devices, but it also aggregates information about each individual platform device.</p> <p><b>User Tracking</b> - 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.</p> <p><b>IP Tracking</b> - 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.</p> <p><b>Link Quality</b> – The Link Quality page provides the ability to ping a public IP of a subscriber or ping the IP of a proxy.</p> <p><b>Included Products:</b></p>

Product	Sub product	Licensing Information
		<ul style="list-style-type: none"> <li>MySQL Enterprise Edition</li> </ul> <p><b>Restrictions:</b></p> <p>My SQL 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.</p> <p>In addition, Oracle Communications Operations Monitor license allows the use of the following infrastructure/framework components: Probe, and Mediation Engine.</p> <p><b>Exclusions:</b></p> <p>Unless explicitly licensed, the following Oracle Communications Session Monitor products or extensions are not part of the Oracle Communications Operations Monitor license:</p> <ul style="list-style-type: none"> <li>Oracle Communications Fraud Monitor and associated extensions</li> <li>Oracle Communications Control Plane Monitor and associated extensions</li> <li>Oracle Communications Operations Monitor Extensions</li> </ul>
<p>Oracle Communications Operations Monitor</p>	<p>Oracle Communications Operations Monitor, Standard Edition - 100 Concurrent Calls Perpetual</p>	<p>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.</p> <p><b>Prerequisites:</b></p> <p><b>None</b></p> <p><b>Inclusions:</b></p> <p>The following features/capabilities are included part of this license:</p> <p><b>Dashboard</b> - The Dashboard is a flexible entry page. It allows you to view the information most important to you at a glance.</p> <p><b>Alerts</b> – 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</p> <p><b>Traces</b> - The Traces page allows you to capture, store and download packet traces of the SIP traffic.</p> <p><b>Packet Inspector</b> – The Packet Inspector page allows users to capture, store and download packet traces of any OSI layer 2 through layer 7 traffic.</p> <p><b>KPI/Metrics</b> - The KPI / Metrics page provides standards of measurement by which efficiency, performance, progress or quality of the platform are assessed.</p> <p><b>Calls</b> - 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</p> <p><b>Registrations</b> - The Registrations page allows you to examine the registration events detected on the monitored platform.</p> <p><b>Non-call traffic</b> - The subscriptions page allows you to monitor non-call traffic (Presence events) such as Subscribe, Notify, Publish</p> <p><b>User Devices</b> – Operations Monitor provides statistics for user</p>

Product	Sub product	Licensing Information
		<p>agents (user devices) registered on the monitored platform.</p> <p>These statistics are based on the User- Agent header of the 'REGISTER' request.</p> <p><b>Trunks</b> - The Trunks page presents an overview of the status of all configured trunks on the monitored platform.</p> <p><b>Devices</b> -The Devices page shows not only an overview of all configured platform devices, but it also aggregates information about each individual platform device.</p> <p><b>User Tracking</b> - 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.</p> <p><b>IP Tracking</b> - 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.</p> <p><b>Link Quality</b> – The Link Quality page provides the ability to ping a public IP of a subscriber or ping the IP of a proxy.</p> <p><b>Voice Quality</b> - 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.</p> <p><b>Included Products:</b></p> <p>MySQL Enterprise Edition</p> <p>Oracle Communications Operations Monitor, Media Quality Extension - 100 Concurrent Calls Perpetual</p> <p><b>Restrictions:</b></p> <p>My SQL Enterprise Edition is included for use with Oracle Communications Operations Monitor. Use of MySQL Enterprise Edition is restricted to use with Oracle Communications Operations Monitor.</p> <p>In addition, Oracle Communications Operations Monitor license allows the use of the following infrastructure/framework components: SBC Probe, and Mediation Engine. This does not allow the use of standalone probe.</p> <ul style="list-style-type: none"> <li>• Will only be available for platforms not currently subject to EOL (VNF, 4600, 6100, 6300, 6350, and 3900 when available in SP)</li> <li>• Will only be available on SBC &amp; SR (not CSM/USM)</li> </ul> <p><b>Exclusions:</b></p> <p>Unless explicitly licensed, the following Oracle Communications Session Monitor products or extensions are not part of the Oracle Communications Operations Monitor license:</p> <p>Oracle Communications Fraud Monitor and associated extensions.</p> <p>Oracle Communications Control Plane Monitor and associated extensions.</p> <p>Oracle Communications Operations Monitor Extensions.</p>
Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, Media Quality	<p>This extension provides various capabilities to monitor and troubleshoot quality of service in VoIP networks.</p> <p><b>Prerequisites:</b></p> <p>Oracle Communications Operations Monitor. The quantity of licenses</p>

Product	Sub product	Licensing Information
	Extension - 100 Concurrent Calls Perpetual	purchased must match the quantity purchased for Oracle Communications Operations Monitor. <b>Inclusions:</b> Only the following features/capabilities are included part of this license: <b>Voice Quality</b> - 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.
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Oracle Communications Operations Monitor	Oracle Communications Operations Monitor, UCaaS Monitoring Extension - 100 Concurrent Calls Perpetual	This extension allows monitoring UCaaS calls by allowing to integrate with Microsoft Teams Graph APIs to correlate the Teams leg of the call with the existing call information from the SBC. This allows end-to-end call monitoring for direct routing calls. <b>Prerequisites:</b> Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. <b>Inclusions:</b> Only the following features/capabilities are included part of this license: <b>UCaaS Monitoring</b> – Enables End-to-end correlation and Monitoring UCaaS direct routing calls (Microsoft Teams).
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. <b>Prerequisites:</b> Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. <b>Inclusions:</b> Only the following features/capabilities are included part of this license: <b>REST API</b> – An API based on RESTful technologies for machine-to-machine interaction.
Oracle	Oracle	This extension provides accounting records in the form of Call Detail

Product	Sub product	Licensing Information
Communications Operations Monitor	Communications Operations Monitor, CDR Generation Extension - 100 Concurrent Calls Perpetual	Records (CDR). This is typically used for billing purposes. <b>Prerequisites:</b> Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor. <b>Inclusions:</b> Only the following features/capabilities are included part of this license: <b>CDR</b> – A set of call details available in a structured form for another program to consume call information for billing or other types of analysis.
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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. <b>Prerequisites:</b> 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. <b>Prerequisites:</b> Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.
Oracle Communications	Oracle Communications	This extension provides aggregated views across multiple mediation engines for an end-to-end view in a multi-region/datacenter

Product	Sub product	Licensing Information
Operations Monitor	Operations Monitor, Mediation Engine Connector Extension - 100 Concurrent Calls Perpetual	deployment. <b>Prerequisites:</b> 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, Extension for Skype for Business - 100 Concurrent Calls Perpetual	This extension provides monitoring and troubleshooting capabilities for Skype for Business call flows. <b>Prerequisites:</b> Oracle Communications Operations Monitor. The quantity of licenses purchased must match the quantity purchased for Oracle Communications Operations Monitor.

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Version 3, 29 June 2007

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Stack-less Just-In-Time compiler

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Author: Sanjay Ghemawat

Support for PCRE\_XXX modifiers added by Giuseppe Maxia, July 2005

===== PCREPOSIX.C =====

/\*\*\*\*\*\*

\* Perl-Compatible Regular Expressions \*

\*\*\*\*\*/

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doc/sitemap\_gen.py

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util/unlink.py

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backport from python3 Lib/test/support.py  
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RNG2Schtrn.xsl:  
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Stylesheet for extracting Schematron information from a RELAX-NG schema.

Based on the stylesheet for extracting Schematron information from  
W3C XML Schema.

Created by Eddie Robertsson 2002/06/01

2009/12/10 hj: changed Schematron namespace to ISO URI (Holger Joukl)

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XSD2Schtrn.xsl:  
-----

based on an original transform by Eddie Robertsson

2001/04/21 fn: added support for included schemas

2001/06/27 er: changed XMI Schema prefix from xsd: to xs: and changed to the Rec namespace

2009/12/10 hj: changed Schematron namespace to ISO URI (Holger Joukl)

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/\* zlib.h -- interface of the 'zlib' general purpose compression library

version 1.2.11, January 15th, 2017

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```
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```

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```
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```

/*****
* NCSA HTTPd Server
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* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
* Copyright (C) 1995, Board of Trustees of the University of Illinois
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*
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```
*/
/*
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* -----
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* -----
*/
```

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           =====
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

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Chai - v4.2.0

<https://github.com/chaijs/chai>

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expression-eval - v2.0.0

<https://github.com/donmccurdy/expression-eval>

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jsep - v0.3.4

<https://github.com/soney/jsep>

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Knockout Fast Foreach v0.6.0 (2016-07-28T11:02:54.197Z)

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petit-dom - v0.2.2

<https://github.com/yelouafi/petit-dom>

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webcomponents/custom-elements - v1.1.2

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proj4js - v2.5.0

<http://proj4js.org/>

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require-css - v0.1.10

<https://github.com/guybedford/require-css>

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Hammer.JS - v2.0.8 - 2016-04-22

<http://hammerjs.github.io/>

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Normalize.scss

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RequireJS i18n 2.0.2

<http://github.com/requirejs/i18n> for details

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jsTree 1.0-rc3 <http://jstree.com/>

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select2.js

<https://github.com/select2/select2>

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ES6-Promise

<https://github.com/stefanpenner/es6-promise>

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jQuery UI - v1.12.1 - 2015-03-18

<http://jqueryui.com>

Includes: core.js, widget.js, mouse.js, position.js, draggable.js, sortable.js

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jQuery JavaScript Library v3.5.1

<http://jquery.com/>

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JS Signals <<http://millermedeiros.github.com/js-signals/>>

Author: Miller Medeiros

Version: 1.0.0 - Build: 268 (2012/11/29 05:48 PM)

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RequireJS text 2.0.15

<http://github.com/requirejs/text>

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RequireJS 2.3.6

<http://github.com/jrburke/requirejs>

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Knockout JavaScript library v3.5.1

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pycparser

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pycparser -- A C parser in Python

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linenoise

```
/* linenoise.c -- guerrilla line editing library against the idea that a
 * line editing lib needs to be 20,000 lines of C code.
 *
 * You can find the latest source code at:
 *
 * http://github.com/antirez/linenoise
 *
 * Does a number of crazy assumptions that happen to be true in 99.9999% of
 * the 2010 UNIX computers around.
 *
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valkey/src/lzf.h
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/*
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