Oracle® Communications

Oracle Communications Session Router for S-CZ7.2.9

Program Documentation – License Document

First Edition

August 2015

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Oracle Communications Session Router for Virtual Network Function (VNF) Application – Licensing Notes

Product	Subproduct	Licensing Description

Oracle Communications Session Router	Oracle Communications Session Router - Per Network-Wide Concurrent Session Perpetual	**Product Editions and Permitted Features**
		
		Determines the maximum number of SIP sessions allowed by Oracle Communications Session Router.
		
		This license provides access to operating system and basic node management functions such as CLI, FTP and SNMP. The following features are available with the base license.
		
		ACP - Allows Oracle Communications Session Router system to respond to external ACP requests (required for Oracle Communications Delivery Management Suite).
		HA - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
		IDS – Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.
		IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.
		Routing – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This feature group includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.
		    • ENUM support requires the routing license.
		    • LRT requires the routing license.
		SIP – Respond to/forward SIP signaling messages and set up SIP sessions based on the system configuration. Allows configuration of SIP-related configuration objects.
		
		Pre-requisite Products
		
		N/A
		
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		This license is applicable to VNF applications (i.e. the OCSR running in virtualized environments).

Product	Subproduct	Licensing Description
	Oracle Communications Session Router - Per Network-Wide Message Per Second Perpetual	**Product Editions and Permitted Features** Determines the maximum number of SIP messages that are processed per second by Oracle Communications Session Router. This license provides access to operating system and basic node management functions such as CLI, FTP and SNMP. The following features are available with the base license. **ACP** - Allows Oracle Communications Session Router system to respond to external ACP requests (required for Oracle Communications Delivery Management Suite). **HA** - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object. **IDS** – Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures. **IDS Advanced** – This feature adds the ability to track total number of rejected SIP calls system-wide. **Routing** – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This feature group includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements. 　　　• ENUM support requires the routing license. 　　　• LRT requires the routing license. **SIP –** Respond to/forward SIP signaling messages and set up SIP sessions based on the system configuration. Allows configuration of SIP-related configuration objects. **Pre-requisite Products** N/A **Entitled Products and Restricted Use Licenses** This license is applicable to VNF applications (i.e. the OCSR running in virtualized environments).

Product	Subproduct	Licensing Description
		Session Capacity Based Licenses
	Oracle Communications Session Router, Accounting – Per Network-Wide Concurrent Session Perpetual	**Product Editions and Permitted Features** Allows Oracle Communications Session Router to create call accounting records using Diameter, Radius or by collecting the information in flat files that can stored locally or pushed via FTP to an external server. **Pre-requisite Products** • This license requires an equal number of Oracle Communications Session Router session capacity licenses on a per server basis. **Entitled Products and Restricted Use Licenses** This license is applicable to VNF applications (i.e. the OCSR running in virtualized environments).
	Oracle Communications Session Router, Load Balancing - Per Network-Wide Concurrent Sessions Perpetual	**Product Editions and Permitted Features** Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements. **Pre-requisite Products** • This license requires an equal number of Oracle Communications Session Router session capacity licenses on a per server basis. **Entitled Products and Restricted Use Licenses** This license is applicable to VNF applications (i.e. the OCSR running in virtualized environments).

| | Oracle Communications Session Router, Policy Server - Per Network-Wide Concurrent Session Perpetual | **Product Editions and Permitted Features**
Allows configuration of a COPS/Diameter interface towards a third party external policy server function that provides functionality in the following two categories:
• External Bandwidth Management/ Call Admission Control towards a PS (RACF/PCRF)
• Location Information queries to a Connectivity Location Function (CLF).

Pre-requisite Products
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| | Oracle Communications Session Router, Government Security Certification - Per Network-Wide Concurrent Session Perpetual | **Product Editions and Permitted Features**
Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.

Pre-requisite Products
    • This license requires an equal number of Oracle Communications Session Router session capacity licenses on a per server basis.

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	Oracle Communications Session Router, Lawful Intercept - Per Network-Wide Concurrent Session Perpetual	**Product Editions and Permitted Features** Allows configuration and use of parameters to enable lawful intercept. See Lawful Intercept Overview section in the CLI guide for details on LI types supported. **Pre-requisite Products** • This license requires an equal number of Oracle Communications Session Router session capacity licenses on a per server basis. **Entitled Products and Restricted Use Licenses** This license is applicable to VNF applications (i.e. the OCSR running in virtualized environments).
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	Oracle Communications Session Router, Load Balancing - Per Network-Wide Message Per Second Perpetual	**Product Editions and Permitted Features** Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements. **Note**: • This license is orderable in quantities that match Message Per Second licenses. **Pre-requisite Products** • This license requires an equal number of Oracle Communications Session Router Message Per Second licenses on a per server basis. **Entitled Products and Restricted Use Licenses** This license is applicable to VNF applications (i.e. the OCSR running in virtualized environments).

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		ACP - Allows Oracle Communications Session Router system to respond to external ACP requests (required for Oracle Communications Delivery Management Suite).
		HA - Enables sending and receiving HA heartbeat and check-pointing messages to an HA Peer and take over or relinquish Active status. Allows configuration of the redundancy configuration object.
		IDS – Allows configuration of traps sent when endpoints are demoted to "denied" status. Allows configuration of syslog messages to be recorded when endpoints are demoted to "denied" status. Enables dynamic demotion of endpoints based upon CAC (call admission control) failures.
		IDS Advanced – This feature adds the ability to track total number of rejected SIP calls system-wide.
		Routing – Enables configuration and use of routing (local policy) parameters for signaling protocols supported. This feature group includes access to configuration elements such as cost, start and end times, days of week, media profiles, and carrier elements.
		      • ENUM support requires the routing license.
		      • LRT requires the routing license.
		SIP – Respond to/forward SIP signaling messages and set up SIP sessions based on the system configuration. Allows configuration of SIP-related configuration objects.
		
		Pre-requisite Products
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Product	Subproduct	Licensing Description
	Oracle Communications Session Router – Per 500 Concurrent Sessions Perpetual	**Product Editions and Permitted Features** Determines the maximum number of SIP sessions allowed by Oracle Communications Session Router. **Note:** • This license may not be combined with any license that uses the Messages Per Second Metric. **Pre-requisite Products** • Oracle Communications Session Router (base fee) – Server Perpetual **Entitled Products and Restricted Use Licenses** This license is applicable to 3rd party COTS hardware
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Session Capacity Based Licenses		
Oracle Communications Session Router	Oracle Communications Session Router, Accounting – Per 500 Concurrent Sessions Perpetual	**Product Editions and Permitted Features** Allows Oracle Communications Session Router to create call accounting records using Radius or by collecting the information in flat files that can stored locally or pushed via FTP to an external server. **Note:** • This license is orderable in session increments that match session capacity licenses. **Pre-requisite Products** • Oracle Communications Session Router – Per 500 Concurrent Sessions Perpetual **Entitled Products and Restricted Use Licenses** This license is applicable to 3rd party COTS hardware
	Oracle Communications Session Router, Load Balancing – Per 500 Concurrent Sessions Perpetual	**Product Editions and Permitted Features** Allows configuration and use of Session Agent Groups in order to perform sophisticated load balancing of traffic across core network elements. **Note:** • This license is orderable in session increments that match session capacity licenses. **Pre-requisite Products** • Oracle Communications Session Router – Per 500 Concurrent Sessions Perpetual **Entitled Products and Restricted Use Licenses** This license is applicable to 3rd party COTS hardware

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Allows configuration of a COPS/Diameter interface towards a third party external policy server function that provides functionality in the following two categories:
• External Bandwidth Management/ Call Admission Control towards a PS (RACF/PCRF)
• Location Information queries to a Connectivity Location Function (CLF).

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Enables increased administrative security capabilities of the system for password strength, password usage policies, user roles, and management of administrative users.

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	Oracle Communications Session Router, Lawful Intercept – Per 500 Concurrent Sessions Perpetual	**Product Editions and Permitted Features** Allows configuration and use of parameters to enable lawful intercept. See Lawful Intercept Overview section in the CLI guide for details on LI types supported. **Note:** • This license is orderable in session increments that match session capacity licenses. **Pre-requisite Products** • Oracle Communications Session Router – Per 500 Concurrent Sessions Perpetual **Entitled Products and Restricted Use Licenses** This license is applicable to 3rd party COTS hardware
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Nornagon	Luna Wrapper	LunaWrapper is a short (53-line) wrapper to provide access to C++ classes from within Lua with relative ease. Inspired by [1], updated for Lua 5.1. Written by nornagon. Available under the BSD 2-clause license.
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