

**Oracle® Communications
IP Service Activator**

Licensing Information User Manual

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Introduction

This Licensing Information document is a part of the product or program documentation under the terms of your Oracle license agreement and is intended to help you understand the program editions, entitlements, restrictions, prerequisites, special license rights, and/or separately licensed third party technology terms associated with the Oracle software program(s) covered by this document (the "Program(s)"). Entitled or restricted use products or components identified in this document that are not provided with the particular Program may be obtained from the Oracle Software Delivery Cloud website (<https://edelivery.oracle.com>) or from media Oracle may provide. If you have a question about your license rights and obligations, please contact your Oracle sales representative, review the information provided in Oracle's Software Investment Guide (<http://www.oracle.com/us/corporate/pricing/software-investment-guide/index.html>), and/or contact the applicable Oracle License Management Services representative listed on <http://www.oracle.com/us/corporate/license-management-services/index.html>.

Licensing Information

Product	Sub product	Licensing Description
Oracle Communications IP Service Activator	Oracle Communications IP Service Activator – Provider Edge	<p>Oracle Communications IP Service Activator allows a service provider to:</p> <ul style="list-style-type: none"> Discover network elements into IP Service Activator. Manage network topologies (network groupings and hierarchy, maps). Perform user and user group administration. Monitor the health of installed and running product components. <p>For IP/MPLS Core and Metro Ethernet networks, the Provider Edge (PE) device is the gateway that connects to the customer network, either at the Layer 3 (L3) (for IP/MPLS services) or at the Layer 2 (L2) (for Ethernet VLAN services). It is typically an IP router or Multi-Service platform/router (for IP/MPLS SAPs), or an Ethernet switch (for Metro Ethernet SAPs).</p> <p>Restrictions:</p> <p>Oracle Communications IP Service Activator – Provider Edge licensing is restricted to the use of a Provider Edge device. Licensing for a Customer Edge device must be purchased separately.</p> <p>Prerequisites:</p> <p>A minimum of one Service Module and one Service Cartridge must be licensed in order to be able to use Oracle Communications IP Service Activator for its intended activation use.</p> <p>Oracle Database Server Standard Edition 2 must be licensed separately.</p> <p>Oracle WebLogic Server Enterprise Edition or Oracle WebLogic Suite for Oracle Applications must be licensed separately when using the following capabilities of IP Service Activator: Web Services API.</p>
Oracle Communications IP Service Activator	Oracle Communications IP Service Activator – Customer Edge	<p>Oracle Communications IP Service Activator allows a service provider to:</p> <ul style="list-style-type: none"> Discover network elements into IP Service Activator. Manage network topologies (network groupings and hierarchy, maps). Perform user and user group administration. Monitor the health of installed and running product components. <p>For IP/MPLS Core and Metro Ethernet networks, the Customer Edge (CE) device is generally installed on the customer premise and connects to the service provider network. It is typically an IP router (for L3 connectivity) or an Ethernet switch (for L2 Ethernet connectivity).</p> <p>Restrictions:</p> <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Customer Edge licensing is restricted to the use of Customer Edge device. Licensing for a Provider Edge device must be purchased separately.

Product	Sub product	Licensing Description
		<ul style="list-style-type: none"> Oracle Communications IP Service Activator – Customer Edge licensing can be solely used for Customer Edge devices that are managed by the service provider, on behalf of the customer, and for which Oracle Communications IP Service Activator is used to activate/manage services. This is referred to as a “Managed CE” service. <p>Prerequisites:</p> <ul style="list-style-type: none"> A minimum of one Service Module and one Service Cartridge must be licensed in order to be able to use Oracle Communications IP Service Activator for its intended activation use. Oracle Database Server Standard Edition 2 must be licensed separately. Oracle WebLogic Server Enterprise Edition or Oracle WebLogic Suite for Oracle Applications must be licensed separately when using the following capabilities of IP Service Activator: Web Services API.
Oracle Communications IP Service Activator	Oracle Communications IP Service Activator – Configuration Management	<p>Oracle Communications Configuration Management allows a service provider to:</p> <ul style="list-style-type: none"> Archive and restore configurations View configuration archive versions View configuration deltas between archives or with running configuration Audit and view service configuration health Trace services (managed by Oracle Communications IP Service Activator) to configuration commands (CLIs) Repair service configurations Track configuration changes performed by operators and Oracle Communications IP Service Activator <p>Prerequisite:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p> <p>Limited use:</p> <ul style="list-style-type: none"> Oracle Communications IP Service Activator use limited to: <ul style="list-style-type: none"> Discovering network elements into IP Service Activator. Managing network topologies (network groupings and hierarchy, maps). Performing user and user group administration. Monitoring the health of installed and running product components. <p>Oracle WebLogic Server Enterprise Edition use limited to Oracle Communications Configuration Management.</p>

Product	Sub product	Licensing Description
Oracle Communications IP Service Activator Cartridges: Device Cartridges	Oracle Communications IP Service Activator Cartridge for Cisco IOS Interface Configuration Management	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS Interface Configuration Management supports interface specific configuration.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge. Oracle Communications IP Service Activator Module – Interface Configuration Management
	Oracle Communications IP Service Activator Cartridge for Cisco IOS IP Multicast	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS IP Multicast supports native IP Multicasting on routers (typically CE devices).</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge Oracle Communications IP Service Activator Module – IP Multicast
	Oracle Communications IP Service Activator Cartridge for Cisco IOS IPsec	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS IPsec supports IPsec endpoints into a VRF, otherwise called VRF-aware IPsec.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge Oracle Communications IP Service Activator Cartridge for Cisco IOS L3 VPN and Oracle Communications IP Service Activator Module – IPsec VPN
	Oracle Communications IP Service Activator Cartridge for Cisco IOS L3 VPN	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS L3 VPN supports L3 MPLS VPNs.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge (CE in case of VRF Lite usage) Oracle Communications IP Service Activator Module – L3 MPLS VPN or Oracle Communications IP Service Activator Module – VRF Lite
	Oracle Communications IP Service Activator Cartridge for Cisco IOS MPLS-TE LSP	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS MPLS-TE LSP supports RSVP-based TE LSPs (Label Switched Paths).</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge Oracle Communications IP Service Activator Module – MPLS-TE LSP

Product	Sub product	Licensing Description
	Oracle Communications IP Service Activator Cartridge for Cisco IOS Multicast VPN	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS Multicast VPN supports Multicasting over L3 MPLS VPNs.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge • Oracle Communications IP Service Activator Cartridge for Cisco IOS L3 VPN and Oracle Communications IP Service Activator Module – VPN Multicast
	Oracle Communications IP Service Activator Cartridge for Cisco IOS PWE	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS PWE supports L2 MPLS point-to-point connections based on Martini draft.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge • Oracle Communications IP Service Activator Module – L2 MPLS VPN
	Oracle Communications IP Service Activator Cartridge for Cisco IOS QoS	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS QoS supports Quality of Service configuration, including Cisco MQC PHBs.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge • Oracle Communications IP Service Activator Module – QoS
	Oracle Communications IP Service Activator Cartridge for Cisco IOS VLAN	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS VLAN supports 802.1q.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge • Oracle Communications IP Service Activator Module – Metro Ethernet VLAN
	Oracle Communications IP Service Activator Base Cartridge for Cisco IOS XR	<p>Oracle Communications IP Service Activator Base Cartridge for Cisco IOS XR supports Configuration Template Module and is extensible via the Cartridge Software Development Kit.</p> <p>Prerequisites:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>

Product	Sub product	Licensing Description
	Oracle Communications IP Service Activator Cartridge for Cisco IOS XR Interface Configuration Management	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS XR Interface Configuration Management supports interface specific configuration.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge • Oracle Communications IP Service Activator Module – Interface Configuration Management
	Oracle Communications IP Service Activator Cartridge for Cisco IOS XR L2 MPLS VPN	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS XR L2 VPN supports Virtual Leased Line (VLL) and Virtual Private LAN Service (VPLS) (LDP and BGP-based).</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge • Oracle Communications IP Service Activator Module – L2 MPLS VPN
	Oracle Communications IP Service Activator Cartridge for Cisco IOS L2 MPLS VPN	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS L2 VPN supports Virtual Leased Line (VLL) and Virtual Private LAN Service (VPLS) (LDP and BGP-based).</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge • Oracle Communications IP Service Activator Module – L2 MPLS VPN
	Oracle Communications IP Service Activator Cartridge for Cisco IOS XR L3 VPN	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS XR L3 VPN supports L3 MPLS VPNs.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge (CE in case of VRF Lite usage) • Oracle Communications IP Service Activator Module – L3 MPLS VPN or Oracle Communications IP Service Activator Module – VRF Lite
	Oracle Communications IP Service Activator Cartridge for Cisco IOS XR MPLS LSP	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS XR MPLS LSP supports RSVP-based TE LSPs (Label Switched Paths).</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge • Oracle Communications IP Service Activator Module – MPLS-TE LSP

Product	Sub product	Licensing Description
	Oracle Communications IP Service Activator Cartridge for Cisco IOS XR QoS	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS XR QoS supports Quality of Service configuration, including Cisco MQC PHBs.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge • Oracle Communications IP Service Activator Module – QoS
	Oracle Communications IP Service Activator Base Cartridge for Juniper JUNOS	<p>Oracle Communications IP Service Activator Base Cartridge for Juniper JUNOS supports Configuration Template Module and is extensible via the Cartridge Software Development Kit.</p> <p>Prerequisites:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle Communications IP Service Activator Cartridge for Juniper JUNOS Interface Configuration Management	<p>Oracle Communications IP Service Activator Cartridge for Juniper JUNOS Interface Configuration Management supports interface specific configuration.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge. Oracle Communications IP Service Activator Module – Interface Configuration Management
	Oracle Communications IP Service Activator Cartridge for Juniper JUNOS L2 MPLS VPN	<p>Oracle Communications IP Service Activator Cartridge for Juniper JUNOS L2 VPN supports Virtual Leased Line (VLL) and Virtual Private LAN Service (VPLS) (LDP and BGP-based).</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge • Oracle Communications IP Service Activator Module – L2 MPLS VPN
	Oracle Communications IP Service Activator Cartridge for Juniper JUNOS L3 VPN	<p>Oracle Communications IP Service Activator Cartridge for Juniper JUNOS L3 VPN supports L3 MPLS VPNs.</p> <p>Prerequisites: Requires licensing of the following:</p> <ul style="list-style-type: none"> • Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge (CE in case of VRF Lite usage) • Oracle Communications IP Service Activator Module – L3 MPLS VPN or Oracle Communications IP Service Activator Module – VRF Lite
	Oracle Communications IP Service Activator Cartridge for Huawei VRP L3 VPN	<p>Oracle Communications IP Service Activator Cartridge for Huawei VRP L3 VPN supports L3 MPLS VPNs.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p>

Product	Sub product	Licensing Description
		<ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge Oracle Communications IP Service Activator Module – L3 MPLS VPN
	Oracle Communications IP Service Activator Cartridge for Huawei VRP MPLS LSP	Oracle Communications IP Service Activator Cartridge for Huawei VRP MPLS LSP supports MPLS RSVP-based TE LSPs. Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge Oracle Communications IP Service Activator Module – MPLS-TE LSP
	Oracle Communications IP Service Activator Cartridge for Huawei VRP PWE	Oracle Communications IP Service Activator Cartridge for Huawei VRP PWE supports L2 MPLS point-to-point VPNs based on Martini draft. Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge Oracle Communications IP Service Activator Module – L2 MPLS VPN
	Oracle Communications IP Service Activator Cartridge for Huawei VRP QoS	Oracle Communications IP Service Activator Cartridge for Huawei VRP QoS supports Quality of Service configuration Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge Oracle Communications IP Service Activator Module – QoS
	Oracle Communications IP Service Activator Cartridge for Huawei VRP IPsec VPN	Oracle Communications IP Service Activator Cartridge for Huawei VRP IPsec VPN supports IPsec endpoints into a VRF, otherwise called VRF-aware IPsec. Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge Oracle Communications IP Service Activator Cartridge for Huawei VRP L3 VPN and Oracle Communications IP Service Activator Module – IPsec VPN
	Oracle Communications IP Service Activator Cartridge for Cisco CatOS VLAN	Oracle Communications IP Service Activator Cartridge for Cisco CatOS VLAN supports 802.1q. Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge

Product	Sub product	Licensing Description
		<ul style="list-style-type: none"> Oracle Communications IP Service Activator Module – Metro Ethernet VLAN
	Oracle Communications IP Service Activator Cartridge for Cisco CatOS QoS	Oracle Communications IP Service Activator Cartridge for Cisco CatOS QoS supports Layer 2 Ethernet Quality of Service configuration. Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge Oracle Communications IP Service Activator Module – QoS
Oracle Communications IP Service Activator Modules: Service Management	Oracle Communications IP Service Activator Module – Interface Configuration Management	Oracle Communications IP Service Activator Module – Interface Configuration Management supports the models for specifying configuration parameters against interfaces (e.g., Serial or Gigabit Ethernet port) and for creating interfaces (e.g., loopback interface) or sub-interfaces (e.g., Ethernet VLAN sub, ATM PVC sub). This model also includes the Interface Policy registration mechanism, which allows you to specify how and when to use particular Interface policies. Note that the interface models supported for each vendor is specific to the list of Interface policies implemented in the related vendor service cartridges. Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.
	Oracle Communications IP Service Activator Module – IP Multicast	Oracle Communications IP Service Activator Module – IP Multicast supports the model for designing and specifying configuration parameters for IP Multicast service, generally configured on Customer Edge devices . Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.
	Oracle Communications IP Service Activator Module – IPsec VPN	Oracle Communications IP Service Activator Module – IPsec VPN supports the model for designing and specifying configuration parameters for VRF-Aware IPsec (IP Security) services. IPsec provides secure encryption and authentication for IP traffic. Prerequisites: Requires licensing of the following: <ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge Oracle Communications IP Service Activator Module – L3 MPLS VPN (since the VRF-Aware IPsec services relies on a L3 MPLS VPN to be created)
	Oracle Communications IP Service Activator Module – L2 MPLS VPN	Oracle Communications IP Service Activator Module – L2 MPLS VPN supports the model for designing and specifying configuration parameters for Layer 2 MPLS VPN, including Virtual Leased Line (VLL) and Virtual Private LAN Service (VPLS) (LDP and BGP-based). This is a Provider Edge-based service. Prerequisites:

Product	Sub product	Licensing Description
		Requires licensing of Oracle Communications IP Service Activator – Provider Edge.
	Oracle Communications IP Service Activator Module – L3 MPLS VPN	<p>Oracle Communications IP Service Activator Module – L3 MPLS VPN supports the model for designing and specifying configuration parameters for Layer 3 MPLS VPN service, including IP routing support for eBGP, OSPF, RIP, EIGRP, and static routing.</p> <p>This is a Provider Edge-based service.</p> <p>Prerequisites:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge.</p>
	Oracle Communications IP Service Activator Module – Metro Ethernet VLAN	<p>Oracle Communications IP Service Activator Module – Metro Ethernet VLAN supports the model for designing and specifying configuration parameters for Virtual LANs on Ethernet switches. There are two VLAN activation and management methods available:</p> <ul style="list-style-type: none"> • Policy-based – using VLAN Configuration Policies, which can be applied from the network down to ports, with role-base inheritance support. • VLAN Manager – an EMS-like method for managing VLANs in a network (note that the VLAN Manager does not have an API). <p>Prerequisites:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle Communications IP Service Activator Module – MPLS-TE LSP	<p>Oracle Communications IP Service Activator Module – MPLS-TE LSP supports the model for designing and specifying configuration parameters for MPLS Traffic Engineering LSPs (paths) over MPLS networks. There are two MPLS-TE LSP activation and management methods available:</p> <ul style="list-style-type: none"> • Policy-based – using the LSP Configuration Policy from a path-originating device and port. • MPLS LSP Module – an EMS-like method to managing LSPs in a network. <p>Prerequisites:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge.</p>
	Oracle Communications IP Service Activator Module – QoS	<p>Oracle Communications IP Service Activator Module – QoS supports the model for designing and specifying configuration parameters for Quality of Service, including Traffic Classification, Policing, Queuing, Shaping, Access Control, etc.</p> <p>Prerequisites:</p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle Communications IP Service Activator Module – VPN Multicast	<p>Oracle Communications IP Service Activator Module – VPN Multicast supports the model for designing and specifying configuration parameters for VPN Multicast service. This effectively allows multicasting over an existing L3 MPLS VPN and will get configured on Provider Edge devices only.</p> <p>Prerequisites:</p> <p>Requires licensing of the following:</p>

Product	Sub product	Licensing Description
		<ul style="list-style-type: none"> Oracle Communications IP Service Activator – Provider Edge Oracle Communications IP Service Activator Module – L3 MPLS VPN (since the VRF-Aware IPsec services relies on a L3 MPLS VPN to be created)
	Oracle Communications IP Service Activator Module – VRF Lite	<p>Oracle Communications IP Service Activator Module – VRF Lite supports the model for designing and specifying configuration parameters for VRF Lite services, which allow for creation of Virtual Router functionality on Customer Edge devices, often used for VPN extensions to the CE LAN ports (with multiple customers or departments sharing same CE device but looking for traffic segregation).</p> <p>Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Customer Edge.</p>
Oracle Communications IP Service Activator Modules: OSS Integration & Service Assurance	Oracle Communications IP Service Activator Module – Configuration Template Module	<p>Oracle Communications IP Service Activator Module – Configuration Template Module allows service providers to create their own configuration templates as simple extensions to Oracle Communication IP Service Activator activation capabilities.</p> <p>Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle Communications IP Service Activator Module – Generic Exporter	<p>Oracle Communications IP Service Activator Module – Generic Exporter allows service providers to bulk-extract any data (configurable) out of IP Service Activator and transform it via a configurable .xslt mechanism to adjust the format of the requesting application (such as Service Assurance apps).</p> <p>Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle Communications IP Service Activator Module – Cartridge Software Development Kit	<p>Oracle Communications IP Service Activator Module – Cartridge Software Development Kit provides the ability for service providers and systems integrators to develop new cartridges for new vendors or add service cartridges for existing vendor service cartridges.</p> <p>It also provides the ability for service providers and systems integrators to develop new Oracle Communications Configuration Management cartridges for new vendors.</p> <p>Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle Communications IP Service Activator CM Cartridge for Cisco IOS	<p>Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Configuration Management.</p>

Product	Sub product	Licensing Description
Oracle Communications IP Service Activator Configuration Management Cartridges	Oracle Communications IP Service Activator CM Cartridge for Cisco IOS XR	Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Configuration Management
	Oracle Communications IP Service Activator CM Cartridge for Juniper JUNOS	Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Configuration Management. Note: This cartridge is incompatible with the Juniper Device Driver.
	Oracle Communications IP Service Activator CM Cartridge for Huawei VRP	Prerequisites: Requires licensing of Oracle Communications IP Service Activator – Configuration Management

Third-Party Notices

Commercial Software

Commercial software used in Oracle Communications IP Service Activator is identified in the following table with the following license notes, restrictions, and disclaimers.

Commercial software products or components distributed in Oracle Communications IP Service Activator are identified in the following table along with the applicable licensing information.

Provider	Component(s)	Functionality	Licensing Information
3SP Ltd	J2SSH Maverick Professional	SSH	http://3sp.com/content/developer/maverick-net/LICENSE.html
Tom Sawyer Software	Graph Layout Toolkit	Graphics	http://www.tomsawyer.com/home/termsfuse.php For a copy of this license, see Tom Sawyer Software Terms of Use .

Open Source Software

Required notices for open source software products or components distributed in Oracle Communications IP Service Activator are identified in the following table along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party open source software.

Provider	Component(s)	Functionality	Licensing Information
Apache Software Foundation	Apache Commons Codec 1.15	App Server	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 .
	Apache Commons IO 2.11.0	App Server	
	Apache Commons Net 3.8.0	App Server	
	Log4j-core 2.18.0 Log4j-api 2.17.2	Logging	
	Velocity 2.3	Templating engine	
	Xalan-C++ 1.12	XSLT Stylesheet	
	Xerces 3.2.3	XML Parser	

Provider	Component(s)	Functionality	Licensing Information
	Groovy 4.0.3	Dynamic scripting language	
	XmlBeans 3.1.0	XML DevKit	
Jean-loup Gailly and Mark Adler	Zlib 1.2.12	Scripting	<p>http://dev.mysql.com/doc/refman/5.0/en/license-zlib.html</p> <p>Oracle gratefully acknowledges the contributions of Jean-loup Gailly and Mark Adler in creating the zlib general purpose compression library which is used in this product.</p> <p>For a copy of the license, see zlib License.</p> <p>RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).</p>
OpenSSL Project	Open SSL 3.0.5	Open SSL	<p>The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit.</p> <p>For a copy of the licenses, see OpenSSL License.</p>
JacORB org	JacORB ORB 3.9	CORBA Integration	<p>This product must be downloaded by the customer; see http://www.jacorb.org/</p> <p>GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999 Copyright (C) 1991, 1999 Free Software Foundation, Inc. 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA</p> <p>For a copy of the license, see JacORB License.</p>
QOS.ch	Slf4j-api 1.7.36	Logging Framework	For a copy of the license, see Slf4j License .
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