

**Oracle® Communications  
IP Service Activator**

Licensing Information User Manual

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# Contents

- Contents..... 3**
- Introduction..... 1**
- Licensing Information ..... 2**
- Third-Party Notices ..... 13**
  - Commercial Software ..... 13
  - Open Source Software ..... 13
- Third-Party Licenses..... 15**
  - Apache License, Version 2.0..... 15
  - OpenSSL License ..... 17
  - Tom Sawyer Software Terms of Use ..... 19
  - zlib License..... 20



## Introduction

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## Licensing Information

Product	Subproduct	Licensing Description
<p>Oracle Communications IP Service Activator</p>	<p>Oracle Communications IP Service Activator – Provider Edge</p>	<p>Oracle Communications IP Service Activator allows a service provider to:</p> <ul style="list-style-type: none"> <li>• Discover network elements into IP Service Activator.</li> <li>• Manage network topologies (network groupings and hierarchy, maps).</li> <li>• Perform user and user group administration.</li> <li>• Monitor the health of installed and running product components.</li> </ul> <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><b>Restrictions:</b></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><b>Prerequisites:</b></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>
<p>Oracle Communications IP Service Activator</p>	<p>Oracle Communications IP Service Activator – Customer Edge</p>	<p>Oracle Communications IP Service Activator allows a service provider to:</p> <ul style="list-style-type: none"> <li>• Discover network elements into IP Service Activator.</li> <li>• Manage network topologies (network groupings and hierarchy, maps).</li> <li>• Perform user and user group administration.</li> <li>• Monitor the health of installed and running product components.</li> </ul> <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><b>Restrictions:</b></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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</li> </ul>

Product	Subproduct	Licensing Description
		<p>Communications IP Service Activator is used to activate/manage services. This is referred to as a "Managed CE" service.</p> <p><b>Prerequisites:</b></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Oracle Database Server Standard Edition 2 must be licensed separately.</li> <li>• 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.</li> </ul>
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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Module – Interface Configuration Management</li> </ul>
	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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Module – IP Multicast</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Cisco IOS IPsec	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS IPsec supports IPsec end-points into a VRF, otherwise called VRF-aware IPsec.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Cartridge for Cisco IOS L3 VPN and Oracle Communications IP Service Activator Module – IPsec VPN</li> </ul>
	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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider</li> </ul>

Product	Subproduct	Licensing Description
		<p>Edge or Oracle Communications IP Service Activator – Customer Edge (CE in case of VRF Lite usage)</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator Module – L3 MPLS VPN or Oracle Communications IP Service Activator Module – VRF Lite</li> </ul>
	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS MPLS-TE LSP</p>	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS MPLS-TE LSP supports RSVP-based TE LSPs (Label Switched Paths).</p> <p><b>Prerequisites:</b> Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – MPLS-TE LSP</li> </ul>
	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS Multicast VPN</p>	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS Multicast VPN supports Multicasting over L3 MPLS VPNs.</p> <p><b>Prerequisites:</b> Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Cartridge for Cisco IOS L3 VPN and Oracle Communications IP Service Activator Module – VPN Multicast</li> </ul>
	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS PWE</p>	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS PWE supports L2 MPLS point-to-point connections based on Martini draft.</p> <p><b>Prerequisites:</b> Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – L2 MPLS Martini VPN</li> </ul>
	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS QoS</p>	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS QoS supports Quality of Service configuration, including Cisco MQC PHBs.</p> <p><b>Prerequisites:</b> Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>Oracle Communications IP Service Activator Module – QoS</li> </ul>
	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS VLAN</p>	<p>Oracle Communications IP Service Activator Cartridge for Cisco IOS VLAN supports 802.1q.</p> <p><b>Prerequisites:</b> Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> </ul>



Product	Subproduct	Licensing Description
		<ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator Module – Metro Ethernet VLAN</li> </ul>
	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><b>Prerequisites:</b></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 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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>Oracle Communications IP Service Activator Module – Interface Configuration Management</li> </ul>
	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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – L2 MPLS VPN</li> </ul>
	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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge (CE in case of VRF Lite usage)</li> <li>Oracle Communications IP Service Activator Module – L3 MPLS VPN or Oracle Communications IP Service Activator Module – VRF Lite</li> </ul>
	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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – MPLS-TE LSP</li> </ul>
	Oracle	Oracle Communications IP Service Activator Cartridge for Cisco IOS

Product	Subproduct	Licensing Description
	Communications IP Service Activator Cartridge for Cisco IOS XR QoS	<p>XR QoS supports Quality of Service configuration, including Cisco MQC PHBs.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Module – QoS</li> </ul>
	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><b>Prerequisites:</b></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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Module – Interface Configuration Management</li> </ul>
	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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge</li> <li>• Oracle Communications IP Service Activator Module – L2 MPLS VPN</li> </ul>
	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><b>Prerequisites:</b> Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge (CE in case of VRF Lite usage)</li> <li>• Oracle Communications IP Service Activator Module – L3 MPLS VPN or Oracle Communications IP Service Activator Module – VRF Lite</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Brocade Ironware L3 VPN	<p>Oracle Communications IP Service Activator Cartridge for Brocade Ironware L3 VPN supports L3 MPLS VPNs.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider</li> </ul>

Product	Subproduct	Licensing Description
		Edge <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator Module – L3 MPLS VPN</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Brocade Ironware QoS	Oracle Communications IP Service Activator Cartridge for Brocade QoS supports Quality of Service configuration <p><b>Prerequisites:</b></p> Requires licensing of the following: <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>Oracle Communications IP Service Activator Module – QoS</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Brocade Ironware VLAN	Oracle Communications IP Service Activator Cartridge for Brocade Ironware VLAN supports 802.1q. <p><b>Prerequisites:</b></p> Requires licensing of the following: <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>Oracle Communications IP Service Activator Module – Metro Ethernet VLAN</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Brocade Ironware VLL	Oracle Communications IP Service Activator Cartridge for Brocade Ironware VLL supports L2 MPLS point-to-point VPNs based on Martini draft. <p><b>Prerequisites:</b></p> Requires licensing of the following: <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – L2 MPLS Martini VPN</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Brocade Ironware VPLS	Oracle Communications IP Service Activator Cartridge for Brocade Ironware VPLS supports L2 MPLS Ethernet multipoint-to-multipoint connections based on Lasserre draft. <p><b>Prerequisites:</b></p> Requires licensing of the following: <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – VPLS</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Huawei VRP L3 VPN	Oracle Communications IP Service Activator Cartridge for Huawei VRP L3 VPN supports L3 MPLS VPNs. <p><b>Prerequisites:</b></p> Requires licensing of the following: <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – L3 MPLS VPN</li> </ul>

Product	Subproduct	Licensing Description
	Oracle Communications IP Service Activator Cartridge for Huawei VRP MPLS LSP	<p>Oracle Communications IP Service Activator Cartridge for Huawei VRP MPLS LSP supports MPLS RSVP-based TE LSPs.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge</li> <li>• Oracle Communications IP Service Activator Module – MPLS-TE LSP</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Huawei VRP PWE	<p>Oracle Communications IP Service Activator Cartridge for Huawei VRP PWE supports L2 MPLS point-to-point VPNs based on Martini draft.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge</li> <li>• Oracle Communications IP Service Activator Module – L2 MPLS Martini VPN</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Huawei VRP QoS	<p>Oracle Communications IP Service Activator Cartridge for Huawei VRP QoS supports Quality of Service configuration</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Module – QoS</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Huawei VRP IPsec VPN	<p>Oracle Communications IP Service Activator Cartridge for Huawei VRP IPsec VPN supports IPsec end-points into a VRF, otherwise called VRF-aware IPsec.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Cartridge for Huawei VRP L3 VPN and Oracle Communications IP Service Activator Module – IPsec VPN</li> </ul>
	Oracle Communications IP Service Activator Cartridge for Cisco CatOS VLAN	<p>Oracle Communications IP Service Activator Cartridge for Cisco CatOS VLAN supports 802.1q.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>• Oracle Communications IP Service Activator Module – Metro Ethernet VLAN</li> </ul>
	Oracle Communications IP Service Activator	<p>Oracle Communications IP Service Activator Cartridge for Cisco CatOS QoS supports Layer 2 Ethernet Quality of Service configuration.</p>

Product	Subproduct	Licensing Description
	Cartridge for Cisco CatOS QoS	<p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge</li> <li>Oracle Communications IP Service Activator Module – QoS</li> </ul>
Oracle Communications IP Service Activator Modules: Service Management	Oracle Communications IP Service Activator Module – Interface Configuration Management	<p>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.</p> <p>Note that the interface models supported for each vendor is specific to the list of Interface policies implemented in the related vendor service cartridges.</p> <p><b>Prerequisites:</b></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 – IP Multicast	<p>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 <b>devices</b>.</p> <p><b>Prerequisites:</b></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 – IPsec VPN	<p>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.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>Oracle Communications IP Service Activator – Provider Edge</li> <li>Oracle Communications IP Service Activator Module – L3 MPLS VPN (since the VRF-Aware IPsec services relies on a L3 MPLS VPN to be created)</li> </ul>
	Oracle Communications IP Service Activator Module – L2 MPLS Martini VPN	<p>Oracle Communications IP Service Activator Module – L2 MPLS Martini VPN supports the model for designing and specifying configuration parameters for Layer 2 MPLS point-to-point service, often referred to as “Martini draft”, PseudoWire (PWE) or Virtual Leased Line (VLL).</p> <p>This is a Provider Edge-based service.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge.</p> <p>(note that Customers may prefer to license the more recent L2 MPLS VPN module, if appropriate)</p>

Product	Subproduct	Licensing Description
	Oracle Communications IP Service Activator Module – L2 MPLS VPN	<p>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).</p> <p>This is a Provider Edge-based service.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge.</p>
	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><b>Prerequisites:</b></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"> <li>• Policy-based – using VLAN Configuration Policies, which can be applied from the network down to ports, with role-base inheritance support.</li> <li>• VLAN Manager – an EMS-like method for managing VLANs in a network (note that the VLAN Manager does not have an API).</li> </ul> <p><b>Prerequisites:</b></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"> <li>• Policy-based – using the LSP Configuration Policy from a path-originating device and port.</li> <li>• MPLS LSP Module – an EMS-like method to managing LSPs in a network.</li> </ul> <p><b>Prerequisites:</b></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><b>Prerequisites:</b></p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>
	Oracle	Oracle Communications IP Service Activator Module – VPLS

Product	Subproduct	Licensing Description
	Communications IP Service Activator Module – VPLS	<p>supports the model for designing and specifying configuration parameters for multi-point Layer 2 MPLS VPNs: Virtual Private LAN Services. VPLS topology supported is full-mesh.</p> <p>This is a Provider Edge-based service.</p> <p><b>Prerequisites:</b></p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge.</p> <p>(Note that customers may prefer to license the more recent L2 MPLS VPN module, if appropriate.)</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><b>Prerequisites:</b></p> <p>Requires licensing of the following:</p> <ul style="list-style-type: none"> <li>• Oracle Communications IP Service Activator – Provider Edge</li> <li>• Oracle Communications IP Service Activator Module – L3 MPLS VPN (since the VRF-Aware IPsec services relies on a L3 MPLS VPN to be created)</li> </ul>
	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><b>Prerequisites:</b></p> <p>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><b>Prerequisites:</b></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 – 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><b>Prerequisites:</b></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 – InfoVista	<p>Oracle Communications IP Service Activator Module – InfoVista Integration provides a Generic Exporter license pre-configured for InfoVista (Performance Management), and adaptable for the specific requirements of a service provider.</p>

Product	Subproduct	Licensing Description
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	Oracle Communications IP Service Activator Module – Micromuse Netcool Omnibus	<p>Oracle Communications IP Service Activator Module – Micromuse Netcool Omnibus provides a Generic Exporter license pre-configured for Micromuse (Fault Management), and adaptable for the specific requirements of a service provider.</p> <p><b>Prerequisites:</b></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 – 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><b>Prerequisites:</b></p> <p>Requires licensing of Oracle Communications IP Service Activator – Provider Edge or Oracle Communications IP Service Activator – Customer Edge.</p>



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