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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

<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle Communications Unified Inventory Management – Core Platform</td>
<td>All</td>
<td>Each licensable module of Oracle Communications Unified Inventory Management includes the ability and rights to use the core Oracle Communications Unified Inventory Management platform functionality. This includes the tracking of parties, business interactions, engineering work orders, life-cycles and non-geographic locations, via the browser-based GUI and the APIs. <strong>Included Products and Capabilities:</strong> Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Unified Inventory Management. <strong>Prerequisites:</strong> Oracle Database Enterprise Edition Oracle Communications Design Studio The allowable usage of the platform is governed by the licensed modules based upon the type and quantity of managed objects. At least one Resource Management or Service Management application must be licensed to deploy the core platform for Oracle Communications Unified Inventory Management. These applications of Oracle Communications Unified Inventory Management are listed in this table.</td>
</tr>
<tr>
<td>Oracle Communications Unified Inventory Management – Resource Management</td>
<td>Oracle Communications Geographic Address Management</td>
<td>Oracle Communications Geographic Address Management models specific addresses relating to locations where service is delivered or where network equipment may reside. These may include Street Address, lot addresses or other nomenclature. This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above. <strong>Included Products and Capabilities:</strong> Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Unified Geographic Address Management. <strong>Prerequisites:</strong> Oracle Database Enterprise Edition Oracle Communications Design Studio <strong>Restrictions:</strong> Oracle Communications Geographic Address Management customers are licensed for the purpose of managing geographic addresses only. Any use outside of geographic address management requires the purchase of a different Oracle Communications Unified Inventory Management license.</td>
</tr>
<tr>
<td>Oracle Communications Device Management</td>
<td></td>
<td>Oracle Communications Device Management enables the management of physical inventory. It also enables the management of customer, access or network devices, as seen from a logical perspective. Switches, routers, servers, shelves, chassis, cable modems, set top boxes, PCs, access points, and other such objects may all be modeled and tracked as Physical Devices, Hardware (Equipment), and/or Logical Devices. This module allows such items to be modeled as complex objects and enables functions and concepts such as assignment/consumption, activation, capacity management, equipment hierarchy, equipment compatibility, equipment assemblies, and topology. Device Management functionality includes: Representing devices in textual, tree and graphical view, including the use of custom graphic images</td>
</tr>
<tr>
<td>Product</td>
<td>Subproduct</td>
<td>Licensing Description</td>
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</table>
| Oracle Communications   |                         | Browsing and searching for devices and related and associated objects  
| Communications          |                         | Drag and drop moving of objects  
| Connectivity            |                         | Tracking characteristics and detail about devices  
| Management              |                         | Management and consumption of devices, interfaces, ports, connecters and capacity  
|                         |                         | **Included Products and Capabilities:** Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Device Management.  
|                         |                         | **Prerequisites:** Oracle Database Enterprise Edition  
|                         |                         | Oracle Communications Design Studio  
|                         |                         | **Restrictions:** Oracle Communications Device Management customers are licensed for the purpose of managing devices only. Any use outside of device management requires the purchase of a different Oracle Communications Unified Inventory Management license.  
|                         |                         | This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above.  
|                         |                         | **Included Products and Capabilities:** Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Connectivity Management.  
|                         |                         | **Prerequisites:** Oracle Database Enterprise Edition  
|                         |                         | Oracle Communications Design Studio  
|                         |                         | **Restrictions:** For Connectivity Management to function in a meaningful way, data on connection end points (Devices) must be populated using the following module: Oracle Communications Device Management  
|                         |                         | To use UIM channelized connectivity entities to model TDM technologies (SDH, SONET, & T/E/J-Carrier), Network Locations on the connectivity end points require property location addresses using the following module: Oracle Communications Geographic Address Management  

Oracle Communications Connectivity Management allows the management of physical links between devices, such as copper pairs, optical fibers, coaxial cables or radio links, and of logical links such as circuits, trails, facilities, channels and cross-connects.  

Connectivity Management also addresses:  

- Modeling of connectors and various types of connection  
- Tracking custom characteristics and detail about connections  
- Application of connection rules  
- Support for assignable capacity  
- Maintaining hierarchal relationships through enablements (assignments)  
- Path Analysis for Pipes to perform complex and effective analysis of the potential routes between two locations or devices based on required capacity. Results are presented based on least number of hops.  
- Grooming, rehoming, and insert & delete node functionality for channelized connectivity
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<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Description</th>
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</thead>
<tbody>
<tr>
<td>Oracle Communications Network Design and Modeling</td>
<td></td>
<td>Oracle Communications Network Design and Modeling provides a mechanism to document a logical graphical perspective of physical, logical, customer or arbitrary inventory. Networks consist of nodes that are interconnected by edges. There can be few or many nodes that represent definitive or casual items. This module allows networks of various degrees of complexity to be represented and manipulated graphically, using configurable icons. Nodes can represent known or unknown objects (locations, devices, etc) Edges indicate specific connectivity or reachability between nodes Layout tools allow nodes to be arranged on the canvas Networks can be multi-layered on the canvas Nodes can also be displayed geographically on a map Relationships between networks may be represented, and layered networks may be navigated using zoom in/zoom out feature Included Products and Capabilities: Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Network Design and Modeling Prerequisites: Oracle Database Enterprise Edition Oracle Communications Design Studio For Network Design and Modeling to function in a meaningful way there is not a requirement for additional modules but its use is usually contemporaneous with: Oracle Communications Device Management Oracle Communications Connectivity Management The license for Oracle Communications Network Design and Modeling includes access to map data provided by Oracle eLocation Service. Access to maps of other types or for other locations may require map data to be licensed from a third-party data provider. Restrictions: Oracle Communications Network Design and Modeling customers are licensed for the purpose of designing and modeling networks only. Any use outside of network design and modeling requires the purchase of a different Oracle Communications Unified Inventory Management license. This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above.</td>
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<td>Product</td>
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<td>Licensing Description</td>
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</table>
| Oracle Communications Telephone Number      | Management                                      | Telephone Numbers can be defined, created and managed and rules can be created to apply number classification, such as for lucky or vanity numbers. Number transition through life cycles Assignment to services, subscribers/resellers/MVNOs (Parties), devices Number masks and patterns  

**Included Products and Capabilities:**  
Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Telephone Number Management.  

**Prerequisites:**  
Oracle Database Enterprise Edition  
Oracle Communications Design Studio  

**Restrictions:**  
Oracle Communications Telephone Number Management customers are licensed for the purpose of managing telephone numbers only. Any use outside of telephone number management requires the purchase of a different Oracle Communications Unified Inventory Management license. This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above. |
| Oracle Communications Logical Device Account Management | Account types, such as email, IMS, voicemail, VoIP, etc. can be documented and managed against logical devices representing servers or other devices. Capacity of the device can be monitored and managed Associated to subscribers (Parties) Created/removed in bulk  

**Included Products and Capabilities:**  
Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Logical Device Account Management.  

**Prerequisites:**  
Oracle Database Enterprise Edition  
Oracle Communications Design Studio  

For account management to function in a meaningful way the following areas must exist and be populated:  
Oracle Communications Device Management  

**Restrictions:**  
Oracle Communications Logical Device Account Management customers are licensed for the purpose of managing logical account devices only. Any use outside of logical device account management requires the purchase of a different Oracle Communications Unified Inventory Management license. This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above. |
| Oracle Communications Universal Resource Management | Oracle Communications Universal Resource Management provides for the generic management of resources such as customer premise equipment, handsets, set top boxes, and other objects that need to be tracked but not with the richness of structure or function provided by Oracle Communications Device Management.  

**Included Products and Capabilities:**  
Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Universal Resource Management.  

**Prerequisites:**  
Oracle Database Enterprise Edition  
Oracle Communications Design Studio  

For resource management to function in a meaningful way the following areas must exist and be populated:  
Oracle Communications Device Management  

**Restrictions:**  
Oracle Communications Universal Resource Management customers are licensed for the purpose of managing resources such as customer premise equipment, handsets, set top boxes, and other objects that need to be tracked but not with the richness of structure or function provided by Oracle Communications Universal Resource Management. This application leverages the Oracle Communications Universal Resource Management core functionality as outlined above.  

This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above. |
<table>
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<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Description</th>
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<tbody>
<tr>
<td>Oracle Communications Unified Inventory Management – Service Management</td>
<td>Oracle Communications Service Configuration Management for Mobile</td>
<td>Oracle Communications Service Configuration Management for Mobile enables the management of simple or complex services provided any mobile wireless network such as GSM/UMTS, LTE, CDMA, PHS, or mobile WiMAX. This module provides the ability to define and manage service configurations, including the structure and relationships of one service to another, the relationship between services and products, and the allocation of resources to services. <strong>Included Products and Capabilities:</strong> Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Service Configuration Management for Mobile. <strong>Prerequisites:</strong> Oracle Database Enterprise Edition Oracle Communications Design Studio <strong>Restrictions:</strong> Oracle Communications Service Configuration Management for Mobile customers are licensed for the purpose of managing service configuration data for mobile services only. Any use outside of mobile service configuration management such as fixed wireless service for broadband requires the purchase of a different Oracle Communications Unified Inventory Management license. This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above.</td>
</tr>
<tr>
<td>Oracle Communications Service Configuration Management for Wireline</td>
<td>Oracle Communications Service Configuration Management for Wireline</td>
<td>Oracle Communications Service Configuration Management for Wireline enables the management of fixed-location or nomadic services provided via any wired or fixed wireless network. This module provides the ability to define and manage service configurations, including the structure and relationships of one service to another, the relationship between services and products, and the allocation of resources to services. <strong>Included Products and Capabilities:</strong> Oracle WebLogic Server Enterprise Edition license for exclusive use with Oracle Communications Service Configuration Management for Wireline. <strong>Prerequisites:</strong> Oracle Database Enterprise Edition Oracle Communications Design Studio. <strong>Restrictions:</strong> Oracle Communications Service Configuration Management for Wireline customers are licensed for the purpose of managing service configuration data for wireline services only. Any use outside of wireline service configuration management requires the purchase of a different Oracle Communications Unified Inventory Management license. This application leverages the Oracle Communications Unified Inventory Management core functionality as outlined above.</td>
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<tr>
<td>Product</td>
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<td>Licensing Description</td>
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<tr>
<td>Oracle Communications Unified Inventory Management – Technology Packs</td>
<td>Oracle Communications MPLS L3 VPN Technology Pack</td>
<td>The Oracle Communications MPLS L3 VPN Technology Pack provides pre-defined business entities and behaviors commonly required by providers of data networking services service using MPLS Layer 3 Virtual Private Networks as specified by RFC4364. It includes specifications and rules that support:</td>
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<tr>
<td></td>
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<td>IP VPN Service</td>
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<td>o Hub and Spoke/Mesh/Hybrid Topologies</td>
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<td>o Extranets</td>
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<td></td>
<td></td>
<td>o Managed resources: Route Target and VPN-ID</td>
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<td>IP VPN Termination</td>
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<td>o Modeling of Dual homed Sites</td>
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<td>o Logical modeling for CE device, CPE device, interfaces</td>
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<td>PE and VRF modeling</td>
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<td>o Logical modeling for PE device, VRFs, interfaces</td>
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<td></td>
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<td>o Managed resources: Route Distinguisher, IP addresses</td>
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<td>Routing attributes for eBGP, OSPF, RIP, EIGRP and Static Routing VRF attributes: VRF-lite, Interface-less VRFs</td>
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<td></td>
<td>Business Logic for allocation of RDs, RTs, VPN-IDs</td>
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<td><strong>Prerequisites:</strong></td>
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<td>This Technology Pack adds domain-specific functionality to the Oracle Communications Unified Inventory Management Resource Management and Service Management applications: as such at least one of the following Managers must be purchased, and to obtain full value of the Technology Pack all should be purchased.</td>
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<tr>
<td></td>
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<td><strong>Oracle Communications Geographic Address Management</strong></td>
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<td><strong>Oracle Communications Device Management</strong></td>
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<td><strong>Oracle Communications Connectivity Management</strong></td>
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<td><strong>Oracle Communications Network Design and Modeling</strong></td>
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<td><strong>Oracle Communications Logical Device Account Management</strong></td>
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<td><strong>Oracle Communications Universal Resource Management</strong></td>
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<td><strong>Oracle Communications Service Configuration Management for Wireline</strong></td>
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<td>Product</td>
<td>Subproduct</td>
<td>Licensing Description</td>
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<tr>
<td>Oracle Communications Metro Ethernet Technology Pack</td>
<td>Oracle Communications Metro Ethernet Technology Pack</td>
<td>The Oracle Communications Metro Ethernet Technology Pack provides pre-defined business entities and behaviors commonly required by providers of data networking services using Metro Ethernet technology as standardized by the Metro Ethernet Forum. It includes specifications and rules that support: Metro-E Services: Ethernet Private Line Services: EP-Line, EP-LAN, EP-Tree; Ethernet Virtual Private Line Services: EVP-Line, EVP-LAN, EVP-Tree VLAN assignment and usage management within a domain Ethernet Sites: UNI-N parameter modeling, VLAN assignment and EVC mapping, Logical modeling for CPE device, interfaces Model integrity validation and characteristic validation. Prerequisites: This Technology Pack adds domain-specific functionality to the Oracle Communications Unified Inventory Management Resource Management and Service Management applications: as such at least one of the following Managers must be purchased, and to obtain full value of the Technology Pack all should be purchased. Oracle Communications Geographic Address Management, Oracle Communications Device Management, Oracle Communications Network Design and Modeling, Oracle Communications Logical Device Account Management, Oracle Communications Service Configuration Management for Wireline.</td>
</tr>
<tr>
<td>Oracle Communications Consumer VoIP Technology Pack</td>
<td>Oracle Communications Consumer VoIP Technology Pack</td>
<td>The Oracle Communications Consumer VoIP Technology Pack provides pre-defined business entities and behaviors commonly required by providers of consumer Phone service using VoIP technology. It includes specifications and rules that support: Consumer VoIP Service: Subscriber association, Telephone Number Management, Phone Feature Assignment, User credentials VoIP Terminal modeling for VoIP variants: SIP, H.323 CPE details such as Serial, MAC, and IP address, etc. Associations to: Gatekeeper, Proxy, Session Border Controller, DHCP, TFTP servers Business Logic for allocation of Telephone number. Prerequisites: This Technology Pack adds domain-specific functionality to the Oracle Communications Unified Inventory Management Resource Management and Service Management applications: as such at least one of the following Managers must be purchased, and to obtain full value of the Technology Pack all should be purchased. Oracle Communications Geographic Address Management.</td>
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<tr>
<td>Product</td>
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<tr>
<td>Oracle Communications Telephone Number Management</td>
<td>Oracle Communications Device Management</td>
<td>Oracle Communications Logical Device Account Management</td>
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<tr>
<td>Oracle Communications Service Configuration Management for Wireline</td>
<td>The Oracle Communications Layer 2 VPN Technology Pack provides pre-defined business entities and behaviors commonly required by providers of data network services using layer 2 VPN technologies. It includes specifications and rules that support: Virtual Leased Line Services (also known as Pseudo Wire Emulations – PWE) o Ethernet VLAN, Port -Based, Q-in-Q Virtual Private LAN Services (VPLS) o H&amp;S, Mesh Topologies o Technology Types: Lassare (LDP) and Kompella (BGP) o Managed Resources: Route Target and VPN ID VPN Site o Modeling of Dual Home Sites o Logical modeling of CPE device and interfaces PE and VSI modeling o Logical modeling for PE Device, VSIs, interfaces o Managed Resources: Route Distinguishers o VSI Attributes Business Logic o Allocation of RDs and RTs</td>
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</tr>
<tr>
<td>Oracle Communications Layer 2 VPN Technology Pack</td>
<td>Prerequisites: This Technology Pack adds domain-specific functionality to the Oracle Communications Unified Inventory Management Resource Management and Service Management applications: as such at least one of the following Managers must be purchased, and to obtain full value of the Technology Pack all should be purchased. Oracle Communications Geographic Address Management Oracle Communications Device Management Oracle Communications Network Design and Modeling Oracle Communications Logical Device Account Management Oracle Communications Service Configuration Management for Wireline</td>
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</tr>
<tr>
<td>Oracle Communications Mobile GSM 3GPP Technology Pack</td>
<td>The Oracle Communications GSM 3GPP Technology Pack provides pre-defined business entities and behaviors commonly required by providers of GSM as defined by 3GPP. It includes specifications and rules that support: GSM 3GPP Service o Subscriber association o Telephone Number Management o Implementation of Service Profiles o Voice Mail Service</td>
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<tr>
<td>Product</td>
<td>Subproduct</td>
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<td><strong>Management of SIM Card and IMSIs</strong></td>
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<td><strong>Modeling of HLR Service Areas</strong></td>
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<td><strong>Modeling of HLR and Voice Mail Servers</strong></td>
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<td><strong>Business Logic for allocation of Telephone number</strong></td>
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<td><strong>Service Configuration rule sets to:</strong></td>
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<td><strong>Automate GSM Service and Voice Mail Service Configuration</strong></td>
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<td><strong>Complete GSM Service and Voice Mail Service Configuration</strong></td>
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<td><strong>Cancel GSM Service and Voice Mail Service Configuration</strong></td>
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<td><strong>Suspend and Resume GSM Service</strong></td>
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<td><strong>Custom Service Actions and Parameters for Service Fulfillment Web Services to accelerate Integration with OSM.</strong></td>
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<td><strong>Prerequisites:</strong></td>
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<td></td>
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<td>This Technology Pack adds domain-specific functionality to the Oracle Communications Unified Inventory Management Resource Management and Service Management application, as such at least one of the following Managers must be purchased, and to obtain full value of the Technology Pack all should be purchased.</td>
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<tr>
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<td><strong>Oracle Communications Geographic Address Management</strong></td>
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<td><strong>Oracle Communications Device Management</strong></td>
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<td><strong>Oracle Communications Telephone Number Management</strong></td>
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<td><strong>Oracle Communications Logical Device Account Management</strong></td>
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<td></td>
<td><strong>Oracle Communications Service Configuration Management for Mobile</strong></td>
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</tbody>
</table>

**Oracle Communications Cable TV Technology Pack**

The Oracle Communications Cable TV Technology Pack provides pre-defined business entities and behaviors commonly required by providers of Cable TV services.

It includes specifications and rules that support:

- **Logical Architecture for MSO to visualize Regions and Clusters of Controllers and Hubs**
- **Creating Headend, Access, and VOD Controllers**
- **Creating Subscription Resources such as Video Entitlement Media Streams and subscription devices**
- **Cable Video Service**
- **Manage Service Locations (Accounts)**

Custom Actions for use with Service Fulfillment Web Services are:

- **Create**
- **Change Add Subscriber**
- **Change Add Subscription**
- **Change Remove Subscriber**
- **Change Remove Subscription**
- **Change Add Stream**
- **Change Remove Stream**
- **Change Swap Subscription Device**
- **Change Unsubscribe All**

**Prerequisites:**

This Technology Pack adds domain-specific functionality to the Oracle Communications...
<table>
<thead>
<tr>
<th>Product</th>
<th>Subproduct</th>
<th>Licensing Description</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Communications Unified Inventory Management Resource Management and Service Management applications. As such, at least one of the following Managers must be purchased, and to obtain full value of the Technology Pack, all of these Managers should be purchased: Oracle Communications Geographic Address Management Oracle Communications Device Management Oracle Communications Network Design and Modeling Oracle Communications Service Configuration Management for Wireline</td>
</tr>
</tbody>
</table>
## Third-Party Notices

### Commercial Software

Commercial software products or components distributed in Unified Inventory Management are identified in the following table along with the applicable licensing information.

<table>
<thead>
<tr>
<th>Provider</th>
<th>Component(s)</th>
<th>Functionality</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILOG</td>
<td>JTGO 8.8</td>
<td>Visualization, GUI</td>
<td>ILOG visualization components from JTGO and Jviews Diagrammer are included as part of the license for Oracle Communications Unified Inventory Management. Any use of ILOG components outside of Oracle Communications Unified Inventory Management requires the purchase of the appropriate licenses from ILOG.</td>
</tr>
</tbody>
</table>

### Open Source Software

Required notices for open source software products or components distributed in Oracle Communications Unified Inventory Management are identified in the following table along with the applicable licensing information. For the full text of each license, see Third Party Licenses in this document. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party open source software.

<table>
<thead>
<tr>
<th>Provider</th>
<th>Component(s)</th>
<th>Functionality</th>
<th>Licensing Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache Software Foundation</td>
<td>Log4j 1.2.16, POI 3.9, commons-logging-1.0.4.jar (1.0.4), xalan.jar (2.7.1), serializer.jar (2.7.1), xercesImpl.jar (1.3.1), axis.jar (1.4), commons-discovery-0.2.jar (0.2), org.apache.commons.beanutils_1.6.jar, com.bea.core.apache.commons.collections_3.2.0.jar, com.springsource.org.apache.commons.logging-1.1.1.jar, Commons Lang 2.1</td>
<td>Scripting Platform Persistence Tier &amp; Install</td>
<td>Copyright © 1999-2012 The Apache Software Foundation Licensed under the Apache License, Version 2.0 (the &quot;License&quot;); you may not use this file except in compliance with the License. You may obtain a copy of the License at <a href="http://www.apache.org/licenses/LICENSE-2.0">http://www.apache.org/licenses/LICENSE-2.0</a>. For a copy of the license, see Apache License, Version 2.0.</td>
</tr>
<tr>
<td>Provider</td>
<td>Component(s)</td>
<td>Functionality</td>
<td>Licensing Information</td>
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</table>
| Codehaus     | Castor 1.1.2     | Xml parsing   | Copyright © 2011 Exolab
Licensed under the Apache License, Version 2.0 (the “License”); you may not use this file except in compliance with 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. |
| Codehaus     | Xstream 1.4.2    | Scripting     | Copyright © 2003-2006, Joe Walnes
Copyright © 2006-2007, XStream Committers
All rights reserved.
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