Main page: Cisco Unified Presence, Release 7.x

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This module provides a list of the TCP and UDP ports that Cisco Unified Presence Release 7.x uses for intracluster connections and for communications with external applications or devices. It provides important information for the configuration of firewalls, Access Control Lists (ACLs), and quality of service (QoS) on a network when an IP Communications solution is implemented.

Note: Cisco has not verified all possible configuration scenarios for these ports. If you are having configuration problems using this list, contact Cisco technical support for assistance.

While virtually all protocols are bidirectional, this document gives directionality from the session originator perspective. In some cases, the administrator can manually change the default port numbers, though Cisco does not recommend this as a best practice. Be aware that Cisco Unified Presence opens several ports strictly for internal use.

Ports that are described in this section apply specifically to Cisco Unified Presence Release 7.x. Some ports change from one release to another, and future releases may introduce new ports. Therefore, make sure that you are using the correct version of this document for the version of Cisco Unified Presence that is installed.

Configuration of firewalls, ACLs, or QoS will vary depending on topology, placement of devices and services relative to the placement of network security devices, and which applications and telephony extensions are in use. Also, bear in mind that ACLs vary in format with different devices and versions.

- Legend: Information Collated in the Port List Table
- Cisco Unified Presence Port List

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Legend: Information Collated in the Port List Table

Table: Port List Legend explains the information presented in the Cisco Unified Presence Ports List :

Table: Table 1 Ports List Legend

Table Heading	Description
Application / Process	A Cisco Unified Presence component used for communication
Role	A client or server application or process
Protocol	Either a Session-layer protocol used for establishing and ending communications, or an Application-layer protocol used for request and response

	transactions
Transport Protocol	A Transport-layer protocol that is connection-oriented (TCP) or connectionless (UDP)
Destination / Listener	The port used for receiving requests
Source / Sender	The port used for sending requests

What To Do Next

- Cisco Unified Presence Port List

Cisco Unified Presence Port List

Table: Cisco Unified Presence Ports shows the ports that Cisco Unified Presence uses for intracluster and intercluster traffic.

Table: Table 2 Cisco Unified Presence Ports

Cisco Unified Presence Release 7.x						
Application / Process	**Role**	**Protocol**	**Network Protocol**	**Destination / Listener**	**Source / Sender**	**Remarks**
All Applications						
All	Server	TCP / UDP	TCP / UDP	32768:61000	Ephemeral	Generic ephemeral UDP / TCP ports for outgoing server connections. Inherited ports from Cisco Unified Communications Manager.
ipvms	Server	UDP	UDP	24576:32767		IP Voice Media Streaming Driver port. Outgoing RTP streaming ports used for voice streaming. Inherited ports from Cisco Unified Communications Manager.
SIP Proxy Requests						
SIP Proxy	Server	SIP	UDP	5060	Ephemeral	Default SIP Proxy UDP Listener
SIP Proxy	Server	SIP	TCP	5060	Ephemeral	Default SIP Proxy TCP Listener
SIP Proxy	Server	SIP	TLS	5061	Ephemeral	TLS Server Authentication listener port
SIP Proxy	Server	SIP	TLS	5062	Ephemeral	TLS Mutual Authentication listener port

SIP Proxy	Server	SIP	UDP / TCP	5049	Ephemeral	Internal port used for Cisco IP Phone Messenger
SIP Proxy / IPPM	Server	HTTP	TCP	8081	Ephemeral	SIP Proxy port used for Cisco IP Phone Messenger
SIP Proxy	Server	HTTP	TCP	8082		Default Cisco Unified Presence HTTP Listener. Used for Third-Party Clients to connect
SIP Proxy	Server	HTTPS	TLS / TCP	8083		Default Cisco Unified Presence HTTPS Listener. Used for Third-Party Clients to connect
SIP Proxy	Server	TCP	TCP	16300	Ephemeral	Used for TimesTen database replication of registration data, ttreg.
Presence Engine Requests						
Presence Engine	Server	SIP	TCP	5070	Ephemeral	Default PE UDP Listener
Presence Engine	Server		TCP	50000		Internal port. Localhost traffic only. Livebus messaging port.
Presence Engine	Server	TCP/UDP	TCP/UDP	16200	Ephemeral	TimesTen daemon port
Presence Engine	Server	TCP	TCP	16400	Ephemeral	Internal port. Localhost traffic only. Used for TimesTen database replication of soft-state data, ttsoft.
Cisco Tomcat WebRequests						
Cisco Tomcat	Server	HTTPS	TCP	8080	Ephemeral	Used for web access
Cisco Tomcat	Server	AXL / HTTPS	TLS / TCP	8443	Ephemeral	Provides database and serviceability access via SOAP
Cisco Tomcat	Server	HTTPS	TLS / TCP	8443	Ephemeral	Provides access to Web administration
Cisco Tomcat	Server	HTTPS	TLS / TCP	8443	Ephemeral	Provides access to User option pages
Cisco Tomcat	Server	AXL / HTTPS	TLS / TCP	8443	Ephemeral	Provides access to Cisco Unified Personal Communicator via SOAP
External Corporate Directory Requests						
External Corporate	Client	LDAP	TCP	Ephemeral	389	Allows the Directory protocol to integrate with the

Directory						external Corporate Directory. The LDAP port depends on the Corporate Directory (389 is the default). In case of Netscape Directory, customer can configure different port to accept LDAP traffic.
External Corporate Directory	Client	LDAPS	TCP	Ephemeral	636	Allows the Directory protocol to integrate with the external Corporate Directory. LDAP port depends on the Corporate Directory (636 is the default).
Database Change Notification Requests						
Database Change Notification	Client	XML / Proprietary	TCP	Ephemeral	8001	DB change notification port
Certificate Manager Requests						
Certificate Manager	Server	TCP	TCP	7070	Ephemeral	Internal port - Localhost traffic only
Configuration Requests						
Config Agent	Server	TCP	TCP	8600	Ephemeral	Config Agent heartbeat port
CTI Manager Requests						
CTI Manager	Client	QBE	TCP	2748	Ephemeral	Cisco Unified Communications Manager port - used by Cisco Unified Presence to connect to CTI Manager.
Cisco Licensing Requests						
Cisco Licensing	Server	XML	TCP	5555	Ephemeral	Internal port - Localhost traffic only
IDS Database Requests						
IDS DB / DBMON	Server	TCP	TCP	1500	Ephemeral	Internal IDS port for DB clients
IDS DB / DBMON		TCP	TCP	1501	Ephemeral	Internal port - this is an alternate port to bring up a second instance of IDS during upgrade. Localhost traffic only.
IDS DB / DBL RPC	Server	XML	TCP	1515	Ephemeral	Internal port - DB replication port
IPSec Manager Requests						
IPSec Manager	Peer-to-Peer	Proprietary	UDP/TCP	8500	8500	Internal port - cluster manager port used by the ipsec_mgr daemon for cluster replication of platform data (hosts) certs

DRF Master Agent Server Requests						
DRF Master Agent	Server	TCP	TCP	4040	Ephemeral	DRF Master Agent server port, which accepts connections from Local Agent, GUI, and CLI
RISDC Requests						
RISDC	Server	TCP	TCP	2555	Ephemeral	Connects to other RISDC services in the cluster to provide clusterwide real-time information
RISDC	Server	TCP	TCP	2556	Ephemeral	Allows RIS client connection to retrieve real-time information
RISDC	Client	TCP	TCP	8889	8888	Internal port. Localhost traffic only. Used by RISDC (System Access) to link to servM via TCP for service status request and reply
SNMP Requests						
SNMP Agent	Server	SNMP	UDP	161, 8161	Ephemeral	Provides services for SNMP-based management applications
SNMP Agent	Server	SNMP	UDP	6162	Ephemeral	Native SNMP agent that listens for requests forwarded by SNMP master agents
SNMP Agent	Server	SNMP	UDP	6161	Ephemeral	SNMP Master agent that listens for traps from the native SNMP agent, and forwards to management applications
SNMP Agent	Server	TCP	TCP	7999	Ephemeral	Used as a socket for the cdp agent to communicate with the cdp binary
SNMP Agent	Server	TCP	TCP	7161	Ephemeral	Used for communication between the SNMP master agent and subagents
SNMP Trap	Client	SNMP	UDP	Ephemeral	162	Sends SNMP traps to management applications
SNMP Trap	Server	SNMP	UDP	Configurable	61441	Internal SNMP trap receiver
Racoon Server Requests						
Racoon	Server		UDP	500	Ephemeral	Enables Internet Security Association and the Key Management Protocol
System Service Requests						
System Service	Server	XML	TCP	8888 & 8889		Internal port. Localhost traffic only. Used to listen to clients communicating with the Service Manager (servM).

DNS Requests						
DNS	Client		UDP	Ephemeral	53	Internal port. Localhost traffic only.
SSH/SFTP Requests						
SSH / SFTP	Server	SSH / SFTP	TCP	22	Ephemeral	Used by many applications to get command line access to the server. Also used between nodes for certificate and other file exchanges (sftp)
ICMP Requests						
ICMP	Server	ICMP	IP	Not Applicable	Ephemeral	Used to communicate with the Cisco Unified Communications Manager server
NTP Requests						
NTP	Client		UDP	Ephemeral	123	Cisco Unified Communications Manager is the acting NTP server. Used by subscriber nodes to synchronize time with the publisher node.
Microsoft Exchange Notify Requests						
Microsoft Exchange Notify		HTTP (HTTPu)	UDP/IP	CUP server port (default 50020)	Ephemeral	This port is where Microsoft Exchange sends any notifications (using NOTIFY message) to indicate a change to a particular subscription identifier for calendar events. Used to integrate with any Exchange server in the network configuration. The default port is 50020, but users can assign another port if it is not already in use.
SOAP Services Requests						
SOAP Services	Server	TCP	TCP	5007	Ephemeral	SOAP monitor port
AMC RMI Requests						
AMC	Server	TCP	TCP	1090	Ephemeral	AMC RMI Object port
AMC	Server	TCP	TCP	1099	Ephemeral	AMC RMI Registry port

Related Topics

- Getting More Information