



## Protocols: H

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# H323

<b>Name/CLI Keyword</b>	h323
<b>Full Name</b>	H.323 Protocol
<b>Description</b>	H.323 is a recommendation from the ITU Telecommunication Standardization Sector (ITU-T) that defines the protocols to provide audio-visual communication sessions on any packet network. The H.323 standard addresses call signaling and control, multimedia transport and control, and bandwidth control for point-to-point and multi-point conferences.
<b>Reference</b>	<a href="http://www.h323forum.org/">http://www.h323forum.org/</a>
<b>Global ID</b>	L7:64
<b>ID</b>	64
<b>Known Mappings</b>	
UDP Port	1300,1718,1719,1720,11720
TCP Port	1300,1718,1719,1720,11720
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	voice-and-video
<b>Sub Category</b>	control-and-signaling
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	signaling. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HA-CLUSTER

<b>Name/CLI Keyword</b>	ha-cluster
<b>Full Name</b>	ha-cluster
<b>Description</b>	High-availability clusters (also known as HA clusters or failover clusters) are groups of computers that support server applications that can be reliably utilized with a minimum of downtime. They operate by harnessing redundant computers in groups or clusters that provide continued service when system components fail. HA clusters usually use a private network connection to monitor the health and status of each node in the cluster.
<b>Reference</b>	<a href="http://en.wikipedia.org/wiki/Ha-cluster">http://en.wikipedia.org/wiki/Ha-cluster</a>
<b>Global ID</b>	L4:694
<b>ID</b>	602
<b>Known Mappings</b>	
UDP Port	694
TCP Port	694
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No

<b>Underlying Protocols</b>	-
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# HAMACHI

<b>Name/CLI Keyword</b>	hamachi
<b>Full Name</b>	Hamachi VPN Application
<b>Description</b>	Hamachi is a zero-configuration virtual private network (VPN) shareware application that is capable of establishing direct links between computers that are behind NAT firewalls without requiring reconfiguration. It is available for Microsoft Windows, Linux and MAC OS.
<b>Reference</b>	<a href="http://www.hamachi.cc/">http://www.hamachi.cc/</a>
<b>Global ID</b>	L4:10080
<b>ID</b>	1382
<b>Known Mappings</b>	
UDP Port	
TCP Port	10080,12975
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-





# HAP

<b>Name/CLI Keyword</b>	hap
<b>Full Name</b>	Host Access Protocol
<b>Description</b>	The Host Access Protocol (HAP) is a network layer protocol that defines the different types of host-to-network control messages and host-to-host data messages that may be exchanged over the access link connecting a host and the network packet switch node. The protocol establishes formats for these messages, and describes procedures for determining when each type of message should be transmitted and what it means when one is received.
<b>Reference</b>	<a href="http://tools.ietf.org/html/rfc1221">http://tools.ietf.org/html/rfc1221</a>
<b>Global ID</b>	L4:661
<b>ID</b>	569
<b>Known Mappings</b>	
UDP Port	661
TCP Port	661
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	trojan
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No

<b>Underlying Protocols</b>	-
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# HASSLE

<b>Name/CLI Keyword</b>	hassle
<b>Full Name</b>	Hierarchical Access System for Sequence Libraries in Europe
<b>Description</b>	Registered with IANA on port 375 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:375
<b>ID</b>	291
<b>Known Mappings</b>	
UDP Port	375
TCP Port	375
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	remote-access-terminal
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HCP-WISMAR

<b>Name/CLI Keyword</b>	hcp-wismar
<b>Full Name</b>	Hardware Control Protocol Wismar
<b>Description</b>	Registered with IANA on port 686 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:686
<b>ID</b>	594
<b>Known Mappings</b>	
UDP Port	686
TCP Port	686
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HDAP

<b>Name/CLI Keyword</b>	hdap
<b>Full Name</b>	HDAP
<b>Description</b>	Registered with IANA on port 263 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:263
<b>ID</b>	1135
<b>Known Mappings</b>	
UDP Port	263
TCP Port	263
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	authentication-services
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HELLO-PORT

<b>Name/CLI Keyword</b>	hello-port
<b>Full Name</b>	HELLO Port
<b>Description</b>	The Dynamic Tunnel Configuration Protocol (DTCP) protocol provides a means for receivers to dynamically discover the presence of feeds and to maintain a list of operational tunnel end-points. Feeds periodically announce their tunnel end-point addresses over the unidirectional link using the HELLO message.
<b>Reference</b>	<a href="http://tools.ietf.org/html/rfc3077">http://tools.ietf.org/html/rfc3077</a>
<b>Global ID</b>	L4:652
<b>ID</b>	561
<b>Known Mappings</b>	
UDP Port	652
TCP Port	652
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	routing-protocol
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HEMS

<b>Name/CLI Keyword</b>	hems
<b>Full Name</b>	High-Level Entity Management System
<b>Description</b>	High-Level Entity Management System (HEMS) is made up of three parts: a query processor which can reside on any addressable entity, an event generator which also resides on entities, and applications which know how to send requests to the query processor and interpret the replies.
<b>Reference</b>	<a href="http://tools.ietf.org/html/rfc1021">http://tools.ietf.org/html/rfc1021</a>
<b>Global ID</b>	L4:151
<b>ID</b>	981
<b>Known Mappings</b>	
UDP Port	151
TCP Port	151
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	business-and-productivity-tools
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-





# HEROIX-LONGITUDE

<b>Name/CLI Keyword</b>	heroix-longitude
<b>Full Name</b>	Heroix Longitude
<b>Description</b>	Heroix Longitude is a self-service applications and networking performance monitoring solution. It delivers immediate, comprehensive performance information to solve multiple monitoring challenges.
<b>Reference</b>	<a href="http://www.heroix.com/longitude_overview.html">http://www.heroix.com/longitude_overview.html</a>
<b>Global ID</b>	L4:7220
<b>ID</b>	1383
<b>Known Mappings</b>	
UDP Port	
TCP Port	7220,7223
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HIP

<b>Name/CLI Keyword</b>	hip
<b>Full Name</b>	Host Identity Protocol
<b>Description</b>	The Host Identity Protocol (HIP) is a host identification technology for use on Internet Protocol (IP) networks. The Internet has two main name spaces, IP addresses and the Domain Name System. HIP separates the end-point identifier and locator roles of IP addresses. It introduces a Host Identity (HI) name space, based on a public key security infrastructure.
<b>Reference</b>	<a href="http://tools.ietf.org/html/rfc5201">http://tools.ietf.org/html/rfc5201</a>
<b>Global ID</b>	L3:139
<b>ID</b>	1237
<b>Known Mappings</b>	
UDP Port	-
TCP Port	-
IP Protocol	139
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HITACHI-SPC

<b>Name/CLI Keyword</b>	hitachi-spc
<b>Full Name</b>	Hitachi Universal Storage Platform
<b>Description</b>	Hitachi Universal Storage Platform is the brand name for an Hitachi Data Systems line of enterprise storage arrays.
<b>Reference</b>	<a href="http://en.wikipedia.org/wiki/Universal_Storage_Platform">http://en.wikipedia.org/wiki/Universal_Storage_Platform</a>
<b>Global ID</b>	L4:20016
<b>ID</b>	1348
<b>Known Mappings</b>	
UDP Port	
TCP Port	20016
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HL7

<b>Name/CLI Keyword</b>	hl7
<b>Full Name</b>	Health Level 7
<b>Description</b>	Health Level Seven is a protocol designated to exchange information between health applications. The protocol is messaged based and can give the client various information regarding his health.
<b>Reference</b>	<a href="http://www.hl7.org/about/index.cfm?ref=nav">http://www.hl7.org/about/index.cfm?ref=nav</a>
<b>Global ID</b>	L7:73
<b>ID</b>	73
<b>Known Mappings</b>	
UDP Port	-
TCP Port	-
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	business-and-productivity-tools
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HMMP-IND

<b>Name/CLI Keyword</b>	hmmp-ind
<b>Full Name</b>	HMMP Indication
<b>Description</b>	Registered with IANA on port 612 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:612
<b>ID</b>	521
<b>Known Mappings</b>	
UDP Port	612
TCP Port	612
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

## HMMP-OP

<b>Name/CLI Keyword</b>	hmp-op
<b>Full Name</b>	HMMP Operation
<b>Description</b>	Registered with IANA on port 613 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:613
<b>ID</b>	522
<b>Known Mappings</b>	
UDP Port	613
TCP Port	613
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HMP

<b>Name/CLI Keyword</b>	hmp
<b>Full Name</b>	Host Monitoring Protocol
<b>Description</b>	The Host Monitoring Protocol (HMP) is a connection less transport protocol. It was designed to facilitate certain simple interactions between two internet entities, one of which may be considered to be monitoring the other. It is used to collect information from Internet Gateways and TACs, and from hosts in various networks.
<b>Reference</b>	<a href="http://tools.ietf.org/html/rfc869">http://tools.ietf.org/html/rfc869</a>
<b>Global ID</b>	L3:20
<b>ID</b>	774
<b>Known Mappings</b>	
UDP Port	-
TCP Port	-
IP Protocol	20
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	layer3-over-ip
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HOLLYWOOD-REPORTER

<b>Name/CLI Keyword</b>	hollywood-reporter
<b>Full Name</b>	The Hollywood Reporter
<b>Description</b>	The Hollywood Reporter - News related to the entertainment industry.
<b>Reference</b>	<a href="http://hollywoodreporter.com">http://hollywoodreporter.com</a>
<b>Global ID</b>	L7:790
<b>ID</b>	1718
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HOOTSUITE

<b>Name/CLI Keyword</b>	hootsuite
<b>Full Name</b>	HootSuite
<b>Description</b>	HootSuite - Social Network management.
<b>Reference</b>	<a href="http://hootsuite.com">http://hootsuite.com</a>
<b>Global ID</b>	L7:668
<b>ID</b>	1597
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HOPOPT

<b>Name/CLI Keyword</b>	hopopt
<b>Full Name</b>	hopopt
<b>Description</b>	DEPRECATED traffic will not match
<b>Reference</b>	
<b>Global ID</b>	L3:0
<b>ID</b>	756
<b>Known Mappings</b>	
UDP Port	-
TCP Port	-
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	No
IPv6 Support	No
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	layer3-over-ip
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HOSTGATOR

<b>Name/CLI Keyword</b>	hostgator
<b>Full Name</b>	HostGator
<b>Description</b>	HostGator - Web hosting portal.
<b>Reference</b>	<a href="http://hostgator.com">http://hostgator.com</a>
<b>Global ID</b>	L7:709
<b>ID</b>	1639
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HOSTNAME

<b>Name/CLI Keyword</b>	hostname
<b>Full Name</b>	NIC Internet Hostname Server
<b>Description</b>	NIC Internet Hostname Server is a TCP-based host information program and protocol running on the SRI-NIC machine. The function of this particular server is to deliver machine-readable name/address information describing networks, gateways, hosts and eventually domains, within the internet environment. As currently implemented, the server provides the information outlined in the DoD Internet Host Table Specification.
<b>Reference</b>	<a href="http://tools.ietf.org/html/rfc953">http://tools.ietf.org/html/rfc953</a>
<b>Global ID</b>	L4:101
<b>ID</b>	972
<b>Known Mappings</b>	
UDP Port	101
TCP Port	101
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	naming-services
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No

<b>Underlying Protocols</b>	-
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# HOTELS-COM

<b>Name/CLI Keyword</b>	hotels-com
<b>Full Name</b>	Hotels.com
<b>Description</b>	Hotels.com - Webportal for finding hotel deals and booking it online.
<b>Reference</b>	<a href="http://hotels.com">http://hotels.com</a>
<b>Global ID</b>	L7:715
<b>ID</b>	1645
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HOTMAIL

<b>Name/CLI Keyword</b>	hotmail
<b>Full Name</b>	Hotmail Email Services
<b>Description</b>	Hotmail is a well-known email service provider, it is also known as Microsoft Hotmail and Live Hotmail; it provides email services (send, receive, file attachments, ... etc.) and Hotmail Calendar service as well. Hotmail service is replaced with Outlook.com.
<b>Reference</b>	<a href="http://www.hotmail.com">http://www.hotmail.com</a>
<b>Global ID</b>	L7:511
<b>ID</b>	1446
<b>Known Mappings</b>	
UDP Port	-
TCP Port	-
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	No
IPv6 Support	No
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	email
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	Yes
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



## HP-ALARM-MGR

<b>Name/CLI Keyword</b>	hp-alarm-mgr
<b>Full Name</b>	HP Network Management Center.
<b>Description</b>	Used by HP OpenView product family that consists of network and systems management products. In 2007, HP OpenView was rebranded as HP Network Management Center.
<b>Reference</b>	<a href="http://en.wikipedia.org/wiki/HP_OpenView">http://en.wikipedia.org/wiki/HP_OpenView</a>
<b>Global ID</b>	L4:383
<b>ID</b>	299
<b>Known Mappings</b>	
UDP Port	383
TCP Port	383
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HP-COLLECTOR

<b>Name/CLI Keyword</b>	hp-collector
<b>Full Name</b>	HP Performance Data Collector
<b>Description</b>	Registered with IANA on port 381 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:381
<b>ID</b>	297
<b>Known Mappings</b>	
UDP Port	381
TCP Port	381
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

## HP-MANAGED-NODE

<b>Name/CLI Keyword</b>	hp-managed-node
<b>Full Name</b>	HP Performance Data Managed Node
<b>Description</b>	The HP OpenView Performance manager, agents, and monitor combine to provide flexible distributed management solution. This solution is a single interface for centrally monitoring, analyzing, and forecasting resource utilization for distributed multivendor environments.
<b>Reference</b>	<a href="https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=PERFMINFO">https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=PERFMINFO</a>
<b>Global ID</b>	L4:382
<b>ID</b>	298
<b>Known Mappings</b>	
UDP Port	382
TCP Port	382
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No

<b>Underlying Protocols</b>	-
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## HP-PDL-DATASTR

<b>Name/CLI Keyword</b>	hp-pdl-datastr
<b>Full Name</b>	PDL data streaming port
<b>Description</b>	Page description language (PDL) is a language that describes the appearance of a printed page in a higher level than an actual output bitmap.
<b>Reference</b>	<a href="http://www.pclviewer.com/resources/reference/">http://www.pclviewer.com/resources/reference/</a>
<b>Global ID</b>	L4:9100
<b>ID</b>	1384
<b>Known Mappings</b>	
UDP Port	9100
TCP Port	9100
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HTC-SERVICES

<b>Name/CLI Keyword</b>	htc-services
<b>Full Name</b>	HTC Services
<b>Description</b>	HTC Services are HTC mobile devices software support and HTC website traffic.
<b>Reference</b>	<a href="http://www.htc.com">http://www.htc.com</a>
<b>Global ID</b>	L7:595
<b>ID</b>	1534
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	No
IPv6 Support	No
<b>Application Group</b>	-
<b>Business Relevance</b>	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	-
<b>Sub Category</b>	-
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HTTP-ALT

<b>Name/CLI Keyword</b>	http-alt
<b>Full Name</b>	HTTP Alternate
<b>Description</b>	HTTP Alternate is alternative port to port 80 that is used by HTTP.
<b>Reference</b>	<a href="http://www.ietf.org/rfc/rfc2616.txt">http://www.ietf.org/rfc/rfc2616.txt</a>
<b>Global ID</b>	L4:591
<b>ID</b>	505
<b>Known Mappings</b>	
UDP Port	8080
TCP Port	8080
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HTTP-LOCAL-NET

<b>Name/CLI Keyword</b>	http-local-net
<b>Full Name</b>	LOCAL NET HTTP
<b>Description</b>	Local network generic HTTP traffic.
<b>Reference</b>	
<b>Global ID</b>	L7:812
<b>ID</b>	1743
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant
<b>Category</b>	browsing
<b>Sub Category</b>	enterprise-transactional-apps
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	http,dns

# HTTP-MGMT

<b>Name/CLI Keyword</b>	http-mgmt
<b>Full Name</b>	HTTP Management
<b>Description</b>	Registered with IANA on port 280 TCP/UDP
<b>Reference</b>	<a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a>
<b>Global ID</b>	L4:280
<b>ID</b>	1141
<b>Known Mappings</b>	
UDP Port	280
TCP Port	280
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	net-admin
<b>Sub Category</b>	network-management
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HTTP-RPC-EPMAP

<b>Name/CLI Keyword</b>	http-rpc-epmap
<b>Full Name</b>	HTTP RPC Ep Map
<b>Description</b>	The http-rpc-epmap endpoint mapper provides CIS (COM+ Internet Services) parameters for RPC (Remote Procedure Call).
<b>Reference</b>	<a href="http://www.cavionplus.com/pdfs/RVA_Sample.pdf">http://www.cavionplus.com/pdfs/RVA_Sample.pdf</a>
<b>Global ID</b>	L4:593
<b>ID</b>	507
<b>Known Mappings</b>	
UDP Port	593
TCP Port	593
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	business-and-productivity-tools
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HTTP

<b>Name/CLI Keyword</b>	http
<b>Full Name</b>	HyperText Transfer Protocol
<b>Description</b>	Hypertext Transfer Protocol (HTTP) is a standard for communication between web browsers and servers over the World Wide Web. The protocol works in a request-response manner over a client server computing model. The server usually listens on port 80.
<b>Reference</b>	<a href="http://www.w3.org/Protocols/rfc2616/rfc2616.html">http://www.w3.org/Protocols/rfc2616/rfc2616.html</a>
<b>Global ID</b>	L4:80
<b>ID</b>	3
<b>Known Mappings</b>	
UDP Port	
TCP Port	80
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-



# HTTPS

<b>Name/CLI Keyword</b>	https
<b>Full Name</b>	HTTPS
<b>Description</b>	Hypertext Transfer Protocol Secure (HTTPS)
<b>Reference</b>	<a href="https://tools.ietf.org/html/rfc2818">https://tools.ietf.org/html/rfc2818</a>
<b>Global ID</b>	L4:1443
<b>ID</b>	1738
<b>Known Mappings</b>	
UDP Port	443
TCP Port	443
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	browsing
<b>Sub Category</b>	enterprise-transactional-apps
<b>P2P Technology</b>	No
<b>Encrypted</b>	Yes
<b>Traffic-class</b>	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	tcp,udp



# HUFFINGTONPOST

<b>Name/CLI Keyword</b>	huffingtonpost
<b>Full Name</b>	The Huffington Post
<b>Description</b>	The Huffington Post - Online news website.
<b>Reference</b>	<a href="http://huffingtonpost.co.uk">http://huffingtonpost.co.uk</a>
<b>Global ID</b>	L7:628
<b>ID</b>	1557
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Category</b>	browsing
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HULU

<b>Name/CLI Keyword</b>	hulu
<b>Full Name</b>	Hulu
<b>Description</b>	Hulu is a Flash-based, ad-supported streaming video website that carries movies and TV series.
<b>Reference</b>	<a href="http://www.hulu.com">http://www.hulu.com</a>
<b>Global ID</b>	L7:458
<b>ID</b>	1317
<b>Known Mappings</b>	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	voice-and-video
<b>Sub Category</b>	streaming
<b>P2P Technology</b>	No
<b>Encrypted</b>	Yes
<b>Traffic-class</b>	multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	ssl,http,dns,quic

# HYBRID-POP

<b>Name/CLI Keyword</b>	hybrid-pop
<b>Full Name</b>	Hybrid Point of Presence
<b>Description</b>	A Hybrid Point of Presence (PoP) is an Internet router with T1 lines into the internet. The POP takes TCP/IP packets from the Internet, modulates them into a standard TV channels and feeds them to a TV system.
<b>Reference</b>	<a href="http://cookreport.com/hybrid.shtml">http://cookreport.com/hybrid.shtml</a>
<b>Global ID</b>	L4:473
<b>ID</b>	387
<b>Known Mappings</b>	
UDP Port	473
TCP Port	473
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HYPER-G

<b>Name/CLI Keyword</b>	hyper-g
<b>Full Name</b>	hyper-g
<b>Description</b>	Hyper-G is a multi-user, multi-protocol, structured hypermedia information system. It runs as a client-server application on the Internet.
<b>Reference</b>	<a href="http://www.jucs.org/jucs_1_4/the_hyper_g_network/Andrews_K.pdf">http://www.jucs.org/jucs_1_4/the_hyper_g_network/Andrews_K.pdf</a>
<b>Global ID</b>	L4:418
<b>ID</b>	333
<b>Known Mappings</b>	
UDP Port	418
TCP Port	418
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

# HYPERWAVE-ISP

<b>Name/CLI Keyword</b>	hyperwave-isp
<b>Full Name</b>	Hyperwave-ISP
<b>Description</b>	Hyperwave-ISP is part of the Hyperwave document management system, which focuses on document and knowledge management in intranet environments.
<b>Reference</b>	<a href="http://www.hyperwave.com/e/index.html">http://www.hyperwave.com/e/index.html</a>
<b>Global ID</b>	L4:692
<b>ID</b>	600
<b>Known Mappings</b>	
UDP Port	692
TCP Port	692
IP Protocol	-
<b>IP Version</b>	
IPv4 Support	Yes
IPv6 Support	Yes
<b>Application Group</b>	other
<b>Business Relevance</b>	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Category</b>	other
<b>Sub Category</b>	other
<b>P2P Technology</b>	No
<b>Encrypted</b>	No
<b>Traffic-class</b>	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
<b>Tunnel</b>	No
<b>Underlying Protocols</b>	-

