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MAC-OS-X-UPDATES

Name/CLI Keyword	mac-os-x-updates
Full Name	MAC OS X updates
Description	MAC OS X updates is a service that provides updates for the MAC OS X operating system and its installed components.
Reference	http://www.apple.com/softwareupdate/
Global ID	L7:585
ID	1524
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	apple-group
Business Relevance	default
Category	software-updates
Sub Category	os-updates
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data
Tunnel	No
Underlying Protocols	ssl,http,dns

MAC-SRVR-ADMIN

Name/CLI Keyword	mac-srvr-admin
Full Name	MacOS Server Admin
Description	Server Adminis one of theremote administration/configuration tools forMac OS X Server. It is used for remote administration of one or more servers. It can be used to install and setup Mac OS X Server on a remote computer, manage file share points, and configure service settings.
Reference	http://support.apple.com/kb/HT5050
Global ID	L4:660
ID	568
Known Mappings	
UDP Port	660
TCP Port	660
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAGENTA-LOGIC

Name/CLI Keyword	magenta-logic
Full Name	Magenta Logic
Description	Registered with IANA on port 313 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:313
ID	1153
Known Mappings	
UDP Port	313
TCP Port	313
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAILBOX-LM

Name/CLI Keyword	mailbox-lm
Full Name	Mailbox-LM
Description	Mailbox-LM is a used by FTP Daemon, a file transfer protocol server designed to work with IBM Sterling Gentran:Server for UNIX with ADD. The daemon is a tool that provides the user's trading partners direct access to their mailboxes while enabling the user to limit their access to other components of the user's EDI system.
Reference	http://www-01.ibm.com/support/docview.wss?uid=swg21532169
Global ID	L4:505
ID	419
Known Mappings	
UDP Port	505
TCP Port	505
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAILCHIMP

Name/CLI Keyword	mailchimp
Full Name	MailChimp
Description	MailChimp - Email service provider.
Reference	http://mailchimp.com
Global ID	L7:651
ID	1580
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	browsing
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MAILQ

Name/CLI Keyword	mailq
Full Name	MAILQ
Description	Mailer transport queue for Zmailer, a mail transfer agent for Linux, BSD and other Unix-like systems.
Reference	http://www.zmailer.org/
Global ID	L4:174
ID	1019
Known Mappings	
UDP Port	174
TCP Port	174
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	email
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAIL-RU

Name/CLI Keyword	mail-ru
Full Name	Mail.ru
Description	Russian communication web portal, Email and cloud storage services.
Reference	http://mail.ru/
Global ID	L7:614
ID	1549
Known Mappings	
UDP Port	25,53,5353
TCP Port	25,53,80,110,443,587,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant
Category	consumer-internet
Sub Category	consumer-cloud-storage
P2P Technology	No
Encrypted	Yes
Traffic-class	bulk-data
Tunnel	No
Underlying Protocols	http,ssl,smtp,pop3,dns

MAITRD

Name/CLI Keyword	maitrd
Full Name	maitrd
Description	Registered with IANA on port 997 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:997
ID	676
Known Mappings	
UDP Port	997
TCP Port	997
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MANET

Name/CLI Keyword	manet
Full Name	MANETs
Description	A set of proocols used for Mobile Ad hoc Networking. With recent performance advancements in computer and wireless communications technologies, advanced mobile wireless computing is expected to see increasingly widespread use and application, much of which will involve the use of the Internet Protocol (IP) suite. The vision of mobile ad hoc networking is to support robust and efficient operation in mobile wireless networks by incorporating routing functionality into mobile nodes. Such networks are envisioned to have dynamic, sometimes rapidly-changing, random, multihop topologies which are likely composed of relatively bandwidth-constrained wireless links.
Reference	http://www.ietf.org/rfc/rfc2501
Global ID	L3:138
ID	1236
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	138
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MANOLITO

Name/CLI Keyword	manolito
Full Name	Manolito
Description	Manolito is a fast peer to peer filesharing and IM application. Manolito is the base protocol for RockItNet, Piolet and Blubster.
Reference	http://www.manolito.com/
Global ID	L7:266
ID	383
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	file-sharing
Sub Category	p2p-file-transfer
P2P Technology	Yes
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAPI

Name/CLI Keyword	mapi
Full Name	Messaging Application Programming Interface
Description	Messaging Application Programming Interface (MAPI) is a built-in system in Microsoft Windows. It enables numerous email applications to work together. Microsoft Outlook uses MAPI to communicate with Microsoft Exchange.
Reference	http://msdn.microsoft.com/en-us/library/aa142548(v=exchg.65).aspx
Global ID	L7:78
ID	78
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	email
Sub Category	client-server
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAPLESTORY

Name/CLI Keyword	maplestory
Full Name	Maplestory
Description	Maplestory is a massively multiplayer online (2D) role playing game (MMORPG) developed by the South Korean company Wizet. The protocol runs over TCP traffic and is divided into control traffic and data traffic.
Reference	http://maplestory.nexon.net/
Global ID	L7:448
ID	1086
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	gaming
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MARKETO

Name/CLI Keyword	marketo
Full Name	Marketo
Description	Corporate marketing automation software.
Reference	https://www.marketo.com
Global ID	L7:1180
ID	1180
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant
Category	other
Sub Category	enterprise-cloud-services
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data
Tunnel	No
Underlying Protocols	http,ssl,dns

MASHABLE

Name/CLI Keyword	mashable
Full Name	Mashable
Description	Mashable - News blog website for social network and new technology.
Reference	http://mashable.com
Global ID	L7:658
ID	1587
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	browsing
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MASQDIALER

Name/CLI Keyword	masqdialer
Full Name	Masqdialer
Description	The masqdialer system is designed to provide easily accessible control of multiple dialout modem connections to the members of a LAN using IP Masquerade for their internet connectivity. The system is a client/server design, so as long as a client can be written for a particular platform, that platform can take advantage of masqdialer's offerings.
Reference	http://archive.debian.net/potato/net/masqdialer
Global ID	L4:224
ID	1121
Known Mappings	
UDP Port	224
TCP Port	224
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MATIP-TYPE-A

Name/CLI Keyword	matip-type-a
Full Name	MATIP Type A
Description	Mapping of Airline Traffic over IP Type A (MATIP) is a communication application that connects an airline office or travel agency to a central computer system for seat reservations and ticket issuing. A dumb terminal or a PC accesses the central system (IBM or UNISYS) through a data network.
Reference	http://tools.ietf.org/html/rfc2351
Global ID	L4:350
ID	266
Known Mappings	
UDP Port	350
TCP Port	350
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MATIP-TYPE-B

Name/CLI Keyword	matip-type-b
Full Name	MATIP Type B
Description	Mapping of Airline Traffic over IP Type B (MATIP) is an e-mail application where real-time is not needed. The addressing scheme uses an international format defined by IATA and contains the city and airline codes. It is transmitted with a high level of protection, multi-addressing and four levels of priority.
Reference	http://tools.ietf.org/html/rfc2351
Global ID	L4:351
ID	267
Known Mappings	
UDP Port	351
TCP Port	351
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MAXDB

Name/CLI Keyword	maxdb
Full Name	MaxDB relational database management system
Description	MaxDB is an ANSI SQL-92 (entry level) compliant relational database management system (RDBMS) from SAP AG, which was delivered also by MySQL AB from 2003 to 2007. MaxDB is targeted for large SAP environments e.g. mySAP Business Suite and other applications that require enterprise-level database functionality. It is able to run terabyte-range data in continuous operation.
Reference	http://maxdb.sap.com/
Global ID	L4:7210
ID	1353
Known Mappings	
UDP Port	
TCP Port	7210
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MCAFEE-ANTIVIRUS

Name/CLI Keyword	mcafee-antivirus
Full Name	McAfee Antivirus
Description	McAfee Antivirus and security.
Reference	http://www.mcafee.com
Global ID	L4:1031
ID	1031
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	unassigned
Traffic-class	bulk-data
Tunnel	No
Underlying Protocols	http,ssl,dns

MCAFEE-UPDATE

Name/CLI Keyword	mcafee-update
Full Name	McAfee AutoUpdate
Description	McAfee AutoUpdate is the virus signature updating service for McAfee VirusScan. This service provides a mechanism for customers to monitor and measure the average bandwidth used in updates.
Reference	http://www.mcafee.com/
Global ID	L4:8801
ID	1354
Known Mappings	
UDP Port	
TCP Port	8801
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MCIDAS

Name/CLI Keyword	mcidas
Full Name	McIDAS Data Transmission Protocol
Description	McIDAS (Man computer Interactive Data Access System) is a suite of sophisticated software packages that perform a wide variety of functions with satellite imagery, observational reports, numerical forecasts, and other geophysical data. Those functions include displaying, analyzing, interpreting, acquiring and managing the data.
Reference	http://www.ssec.wisc.edu/mcidas/
Global ID	L4:112
ID	982
Known Mappings	
UDP Port	112
TCP Port	112
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MCNS-SEC

Name/CLI Keyword	mcns-sec
Full Name	mcns-sec
Description	Registered with IANA on port 638 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:638
ID	547
Known Mappings	
UDP Port	638
TCP Port	638
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MDC-PORTMAPPER

Name/CLI Keyword	mdc-portmapper
Full Name	mdc-portmapper
Description	Registered with IANA on port 685 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:685
ID	593
Known Mappings	
UDP Port	685
TCP Port	685
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MECOMM

Name/CLI Keyword	mecomm
Full Name	Memcomm
Description	Registered with IANA on port 668 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:668
ID	576
Known Mappings	
UDP Port	668
TCP Port	668
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	trojan
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MEGAVIDEO

Name/CLI Keyword	megavideo
Full Name	Megavideo
Description	MegaVideo is a video sharing website run by the creators of Megaupload, the website officially claims to aim replacing YouTube as the leader in online video. MegaVideo is a website, therefore the underlying protocol is HTTP.
Reference	http://www.megavideo.com/
Global ID	L7:459
ID	1318
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	flash-group
Category	voice-and-video
Sub Category	streaming
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

MEREGISTER

Name/CLI Keyword	meregister
Full Name	Meregister
Description	Registered with IANA on port 669 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:669
ID	577
Known Mappings	
UDP Port	669
TCP Port	669
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MERIT-INP

Name/CLI Keyword	merit-inp
Full Name	MERIT Internodal Protocol
Description	MERIT Internodal Protocol
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L3:32
ID	786
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	32
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

META5

Name/CLI Keyword	meta5
Full Name	Meta5
Description	Used by Meta5 in their products.
Reference	http://www.meta5.com/
Global ID	L4:393
ID	309
Known Mappings	
UDP Port	393
TCP Port	393
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

METAGRAM

Name/CLI Keyword	metagram
Full Name	Metagram Relay
Description	Registered with IANA on port 99 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:99
ID	970
Known Mappings	
UDP Port	99
TCP Port	99
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

METER

Name/CLI Keyword	meter
Full Name	Meter
Description	Registered with IANA on port 570 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:570
ID	485
Known Mappings	
UDP Port	570
TCP Port	570
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MFCOBOL

Name/CLI Keyword	mfcobol
Full Name	Micro Focus COBOL
Description	Used by Micro Focus applications such as Enterprise Server, COBOL Server Express and more.
Reference	http://www.microfocus.com/
Global ID	L4:86
ID	958
Known Mappings	
UDP Port	86
TCP Port	86
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant
Category	inter-process-rpc
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data
Tunnel	No
Underlying Protocols	tcp,udp

MFE-NSP

Name/CLI Keyword	mfe-nsp
Full Name	MFE Network Services Protocol
Description	Registered with IANA as IP Protocol 31
Reference	http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml
Global ID	L3:31
ID	785
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	31
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MFTP

Name/CLI Keyword	mftp
Full Name	Multisource File Transfer Protocol
Description	Multisource File Transfer Protocol (MFTP) is designed for the purpose of file sharing. It is still under development, and therefore may acquire more features. This is the communication protocol used by such clients as eMule and eDonkey and, in its extended implementation, by the Overnet network.
Reference	http://tools.ietf.org/html/draft-miller-mftp-spec-02
Global ID	L4:349
ID	265
Known Mappings	
UDP Port	349
TCP Port	349
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	file-sharing
Sub Category	p2p-file-transfer
P2P Technology	Yes
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MGCP

Name/CLI Keyword	mgcp
Full Name	Media Gateway Control Protocol
Description	Media Gateway Control Protocol (MGCP) 1.0 is a protocol for the control of Voice over IP (VoIP) calls by external call-control elements known as Media Gateway Controllers (MGCs) or Call Agents (CAs).
Reference	http://www.packetizer.com/rfc/rfc3435/
Global ID	L7:62
ID	62
Known Mappings	
UDP Port	2427,2727
TCP Port	2427,2428,2727
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	voice-and-video
Sub Category	control-and-signaling
P2P Technology	No
Encrypted	No
Traffic-class	signaling. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MICOM-PFS

Name/CLI Keyword	micom-pfs
Full Name	micom-pfs
Description	Registered with IANA on port 490 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:490
ID	404
Known Mappings	
UDP Port	490
TCP Port	490
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MICP

Name/CLI Keyword	micp
Full Name	Mobile Internetworking Control Protocol
Description	The Mobile Internetworking Control Protocol is used by the MSSs (Mobile Support Stations) to exchange control information, and by the MHs (mobile hosts) to signal to their MSSs that they have changed cells.
Reference	http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.30.8911
Global ID	L3:95
ID	849
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	95
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MICROMUSE-LM

Name/CLI Keyword	micromuse-lm
Full Name	Micromuse-lm
Description	Registered with IANA on port 1534 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:1534
ID	702
Known Mappings	
UDP Port	1534
TCP Port	1534
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MICROSOFTDS

Name/CLI Keyword	microsoftds
Full Name	Microsoft-DS
Description	Microsoft-DS is a port that replaces the Windows NetBIOS ports, for all versions of Windows after NT, as the preferred port for carrying Windows file sharing and other services.
Reference	http://support.microsoft.com/default.aspx?scid=kb;en-us;832017
Global ID	L4:445
ID	98
Known Mappings	
UDP Port	445
TCP Port	445
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	netbios-group
Business Relevance	default
Category	file-sharing
Sub Category	file-transfer
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data
Tunnel	No
Underlying Protocols	tcp,udp

MIKOGO

Name/CLI Keyword	mikogo
Full Name	Mikogo
Description	mikogo is an online meeting and desktop sharing software that provides web conferencing between users, in addtion to file transfer, whiteboard, instant chat and other facilities.
Reference	http://www.mikogo.com/
Global ID	L7:514
ID	1450
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	remote-access-terminal
P2P Technology	No
Encrypted	Yes
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MINT-COM

Name/CLI Keyword	mint-com
Full Name	Mint.com
Description	Mint.com - Web-based personal finance tool.
Reference	http://mint.com
Global ID	L7:759
ID	1689
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	browsing
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MIT-DOV

Name/CLI Keyword	mit-dov
Full Name	MIT Dover Spooler
Description	Registered with IANA on port 91 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:91
ID	962
Known Mappings	
UDP Port	91
TCP Port	91
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MIT-ML-DEV

Name/CLI Keyword	mit-ml-dev
Full Name	MIT ML Device
Description	Registered with IANA on port 83 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:83
ID	956
Known Mappings	
UDP Port	83
TCP Port	83
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MIXI

Name/CLI Keyword	mixi
Full Name	Mixi
Description	Mixi is an online Japanese social networking service.
Reference	http://www.apple.com/softwareupdate/
Global ID	L7:592
ID	1531
Known Mappings	
UDP Port	53,5222,5353
TCP Port	53,80,443,5222,5353
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	http,ssl,xmpp-client,dns,quic

MLB-COM

Name/CLI Keyword	mlb-com
Full Name	Official Major League Baseball
Description	Official Major League Baseball - Web Portal for Sports news update.
Reference	http://mlb.com
Global ID	L7:754
ID	1684
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business relevance	business-irrelevant
Category	browsing
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MOBILE

Name/CLI Keyword	mobile
Full Name	IP Mobility
Description	Mobile IP (also known as IP mobility) is an Internet Engineering Task Force (IETF) standard communications protocol that is designed to allow mobile device users to move from one network to another while maintaining a permanent IP address.
Reference	http://tools.ietf.org/html/rfc5944
Global ID	L3:55
ID	809
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	55
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	Yes
Underlying Protocols	-

MOBILEIP-AGENT

Name/CLI Keyword	mobileip-agent
Full Name	Mobile IP Agent
Description	Mobile IP (or IP mobility) is an Internet Engineering Task Force(IETF) standard communications protocol that is designed to allow mobile device users to move from one network to another while maintaining a permanent IP address.
Reference	http://tools.ietf.org/html/rfc5944
Global ID	L4:434
ID	349
Known Mappings	
UDP Port	434
TCP Port	434
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	routing-protocol
P2P Technology	No
Encrypted	No
Traffic-class	netwrok-control. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MOBILIP-MN

Name/CLI Keyword	mobilip-mn
Full Name	MobilIP-MN
Description	Registered with IANA on port 435 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:435
ID	350
Known Mappings	
UDP Port	435
TCP Port	435
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MOBILITYSRV

Name/CLI Keyword	mobilitysrv
Full Name	mobilitysrv
Description	Mobility XE protocol
Reference	-
Global ID	L4:6997
ID	1386
Known Mappings	
UDP Port	6997
TCP Port	6997
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MODBUS

Name/CLI Keyword	modbus
Full Name	Modbus TCP/IP
Description	Modbus is a standard communication protocol for connecting industrial electronic devices, Modbus TCP/IP used the Modbus instruction set and wraps TCP/IP around it.
Reference	http://www.modbus.org/docs/Modbus_Messaging_Implementation_Guide_V1_0b.pdf
Global ID	L7:555
ID	1491
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	industrial-protocols
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	Yes
Underlying Protocols	-

MONDEX

Name/CLI Keyword	mondex
Full Name	Mondex
Description	Mondex is a smart card electronic cash system. The main protocol of Mondex implements electronic cash transfer, using either a device (wallet) with two slots, or an Internet connection.
Reference	http://vsr.sourceforge.net/mondex.htm
Global ID	L4:471
ID	385
Known Mappings	
UDP Port	471
TCP Port	471
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	industrial-protocols
Sub Category	epayement
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MONGO

Name/CLI Keyword	mongo
Full Name	Mongo
Description	Mongo is a leading NoSQL database designed with both scalability and developer agility in mind. Instead of storing your data in tables and rows as you would with a relational database, MongoDB stores JSON-like documents with dynamic schemas.
Reference	https://www.mongodb.org/
Global ID	L4:27017
ID	1751
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	database
Sub Category	enterprise-transactional-apps
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MONITOR

Name/CLI Keyword	monitor
Full Name	Monitor
Description	Registered with IANA on port 561 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:561
ID	476
Known Mappings	
UDP Port	561
TCP Port	561
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MONSTER-COM

Name/CLI Keyword	monster-com
Full Name	Monster.com
Description	Monster.com - Online job search portal.
Reference	http://monster.com
Global ID	L7:785
ID	1713
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	browsing
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MORTGAGEWARE

Name/CLI Keyword	mortgageware
Full Name	Mortgageware
Description	Registered with IANA on port 367 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:367
ID	283
Known Mappings	
UDP Port	367
TCP Port	367
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPEG2-TS

Name/CLI Keyword	mpeg2-ts
Full Name	MPEG-2 Transport Stream
Description	MPEG2-TS (MPEG2 transport stream, MTS or TS) is a standard format for transmission and storage of audio, video, and Program and System Information Protocol (PSIP) data. It is used in broadcast systems such as DVB, ATSC and IPTV.
Reference	http://mpeg.chiariglione.org/standards/mpeg-2
Global ID	L7:610
ID	1549
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	Other
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	consumer-messaging
Sub Category	consumer-video-streaming
P2P Technology	No
Encrypted	No
Traffic-class	multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPLS-IN-IP

Name/CLI Keyword	mpls-in-ip
Full Name	MPLS-in-IP
Description	Multiprotocol Label Switching (MPLS) is a mechanism in high-performance telecommunications networks that directs data from one network node to the next based on short path labels rather than long network addresses, avoiding complex lookups in a routing table.
Reference	http://www.ietf.org/rfc/rfc4023
Global ID	L3:137
ID	1235
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	137
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPM-FLAGS

Name/CLI Keyword	mpm-flags
Full Name	MPM FLAGS Protocol
Description	Registered with IANA on port 44 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:44
ID	924
Known Mappings	
UDP Port	44
TCP Port	44
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPM-SND

Name/CLI Keyword	mpm-snd
Full Name	MPM [default send]
Description	Registered with IANA on port 46 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:46
ID	926
Known Mappings	
UDP Port	46
TCP Port	46
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPM

Name/CLI Keyword	mpm
Full Name	Message Processing Module
Description	Message Processing Module (MPM) is part of the Internet message system. It is responsible for routing and delivering messages.
Reference	http://tools.ietf.org/html/rfc759
Global ID	L4:45
ID	925
Known Mappings	
UDP Port	45
TCP Port	45
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPP

Name/CLI Keyword	mpp
Full Name	Netix Message Posting Protocol
Description	Message Posting Protocol (MPP) is a network protocol that is used for posting messages from a computer to a mail service host. It is based on 2 basic structures: command and reply.
Reference	http://tools.ietf.org/html/rfc1204
Global ID	L4:218
ID	1115
Known Mappings	
UDP Port	218
TCP Port	218
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	email
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MPTN

Name/CLI Keyword	mptn
Full Name	Multiprotocol Transport Network
Description	The Multiprotocol Transport Networking (MPTN) architecture is a general solution to providing interconnectivity for applications. The MPTN architecture provides a protocol-independent system interface that includes most functions provided by existing transport protocols.
Reference	http://www.ieee-icnp.org/1993/papers/1993-2.pdf
Global ID	L4:397
ID	312
Known Mappings	
UDP Port	397
TCP Port	397
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	industrial-protocols
Sub Category	remote-access-terminal
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MRM

Name/CLI Keyword	mrm
Full Name	Multicast Routing Monitor
Description	The Multicast Routing Monitor (MRM) is a feature is Cisco products. It is a management diagnostic tool that provides network fault detection and isolation in a large multicast routing infrastructure. It is designed to notify a network administrator of multicast routing problems in near real time.
Reference	http://www.cisco.com/en/US/docs/ios/12_1/iproute/configuration/guide/1cdtools.html
Global ID	L4:679
ID	587
Known Mappings	
UDP Port	679
TCP Port	679
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-DYNAMICS-CRM-ONLINE

Name/CLI Keyword	ms-dynamics-crm-online
Full Name	Microsoft CRM Dynamics Online
Description	Microsoft CRM Dynamics Online is a customer relationship software package delivered as a cloud service. It provides sales and marketing services and allows customers to customize the product using a .NET framework
Reference	http://crm.dynamics.com/en-us/on-demand
Global ID	L7:508
ID	1443
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	Yes
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,dns,quic

MS-IIS

Name/CLI Keyword	ms-iis
Full Name	MS RPC IIS
Description	Microsoft Internet Information Services (IIS) is a web server application and set of feature extension modules created by Microsoft for use with Microsoft Windows. The underlying protocol is Microsoft Remote Procedure Call (MS RPC).
Reference	http://www.iis.net/
Global ID	L7:482
ID	1411
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	client-server
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ms-rpc

MS-LIVE-ACCOUNTS

Name/CLI Keyword	ms-live-accounts
Full Name	Microsoft Windows Live Services Authentication
Description	Ms-live-accounts is used for login to various microsoft services.
Reference	http://explore.live.com/
Global ID	L7:498
ID	1434
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	browsing
Sub Category	authentication-services
P2P Technology	No
Encrypted	Yes
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MS-LYNC-AUDIO

Name/CLI Keyword	ms-lync-audio
Full Name	Skype for Business (MS-Lync) Audio
Description	Skype for Business (formerly Microsoft Lync) is a communications and collaboration platform that brings together an experience inspired by Skype with enterprise-grade security, compliance and control. It offers features including presence, IM, voice and video calls, and online meetings. Since it is built right in to Microsoft Office, initiating chats, calls and meetings is an integrated experience within Office. This protocol classifies the audio traffic of this app.
Reference	http://www.skype.com/en/business/
Global ID	L7:559
ID	1496
Known Mappings	
UDP Port	3478
TCP Port	3478
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-lync-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	No
Traffic-class	voip-telephony. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,stun-nat,rtp

MS-LYNC-CONTROL

Name/CLI Keyword	ms-lync-control
Full Name	Skype for Business (MS-Lync) Control
Description	Skype for Business (formerly Microsoft Lync) is a communications and collaboration platform that brings together an experience inspired by Skype with enterprise-grade security, compliance, and control. Features include presence, IM, voice and video calls, and online meetings. Because it is built into Microsoft Office, initiating chats, calls, and meetings is an integrated experience within Office.
Reference	http://www.skype.com/en/business/
Global ID	L7:1059
ID	1059
Known Mappings	
UDP Port	5060,5061
TCP Port	443,5060,5061
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-lync-group
Business Relevance	business-relevant
Category	voice-and-video
Sub Category	control-and-signaling
P2P Technology	No
Encrypted	Yes
Traffic-class	signaling
Tunnel	No
Underlying Protocols	ms-lync,sip-tls,ssl,sip

MS-LYNC-MEDIA

Name/CLI Keyword	ms-lync-media
Full Name	Microsoft Lync Media
Description	Microsoft Lync Media is the audio and video calls support in Microsoft Lync. Based on STUN and RTP.
Reference	http://lync.microsoft.com
Global ID	L7:532
ID	1467
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	ms-lync-group
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-LYNC

Name/CLI Keyword	ms-lync
Full Name	Skype for Business (MS-Lync)
Description	Skype for Business (formerly Microsoft Lync) is a communications and collaboration platform that brings together an experience inspired by Skype with enterprise-grade security, compliance and control. It offers features including presence, IM, voice and video calls, and online meetings. Since it is built right in to Microsoft Office, initiating chats, calls and meetings is an integrated experience within Office.
Reference	http://www.skype.com/en/business/
Global ID	L7:531
ID	1466
Known Mappings	
UDP Port	53,3478,5353
TCP Port	53,80,443,3478,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-lync-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	Yes
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	http,ssl,stun-nat,dns,quic

MS-LYNC-VIDEO

Name/CLI Keyword	ms-lync-video
Full Name	Skype for Business (MS-Lync) Video
Description	Skype for Business (formerly Microsoft Lync) is a communications and collaboration platform that brings together an experience inspired by Skype with enterprise-grade security, compliance and control. It offers features including presence, IM, voice and video calls, and online meetings. Since it is built right in to Microsoft Office, initiating chats, calls and meetings is an integrated experience within Office. This protocol classifies the video traffic of this app.
Reference	'http://www.skype.com/en/business/
Global ID	L7:560
ID	1497
Known Mappings	
UDP Port	3478
TCP Port	3478
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-lync-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	No
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,stun-nat,rtp

MS-NETLOGON

Name/CLI Keyword	ms-netlogon
Full Name	MS RPC Netlogon
Description	The Net Logon service verifies logon requests, and it registers, authenticates, and locates domain controllers. To maintain backward compatibility Net Logon manages replication of the user account database to back-up domain controllers running Windows NT 4.0 and earlier. It is based on Microsoft Remote Procedure Call (MS RPC).
Reference	http://technet.microsoft.com/en-us/library/cc962284.aspx
Global ID	L7:483
ID	1412
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	authentication-services
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ms-rpc

MS-OCS-FILE-TRANSFER

Name/CLI Keyword	ms-ocs-file-transfer
Full Name	Microsoft Office Communications Server and File Transfer
Description	Microsoft Office Communications Server and File Transfer is used by Microsoft Office Communicator (an instant messaging software) for file transfer.
Reference	http://technet.microsoft.com/en-us/office/ocs/bb267356.aspx
Global ID	L4:6891
ID	1356
Known Mappings	
UDP Port	
TCP Port	6891
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-OFFICE-365

Name/CLI Keyword	ms-office-365
Full Name	Microsoft Office 365
Description	Microsoft Office 365 is a commercial software plus services that offers the Microsoft Office suite of desktop applications as well as hosted versions of Microsoft's Server products delivered and accessed over the Internet
Reference	http://www.microsoft.com/en-us/office365/online-software.aspx
Global ID	L7:495
ID	1431
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	Yes
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MS-OFFICE-WEB-APPS

Name/CLI Keyword	ms-office-web-apps
Full Name	Microsoft Office Web Applications
Description	Microsoft Office Web Apps is the web-based version of the Microsoft Office productivity suite. It includes the web-based versions of Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Microsoft OneNote. The web applications allow users to access their documents within a web browser and collaborate with other users online.
Reference	http://office.microsoft.com/en-us/web-apps/
Global ID	L7:563
ID	1500
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	rich-media-http-content
P2P Technology	No
Encrypted	Yes
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MS-OLAP

Name/CLI Keyword	ms-olap
Full Name	Microsoft OLAP
Description	Online Analytical Processing (OLAP) is part of the Microsoft SQL Server database management system. It is a technology that is used to organize large business databases in order to support business intelligence and swiftly answer multi-dimensional analytical (MDA) queries.
Reference	http://office.microsoft.com/en-us/excel-help/overview-of-online-analytical-processing-olap-HP010177437.aspx#BM1_What_is_online_analytical_processing
Global ID	L4:2393
ID	686
Known Mappings	
UDP Port	2393
TCP Port	2393
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	sqlsvr-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	database
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-ROME

Name/CLI Keyword	ms-rome
Full Name	Microsoft Rome
Description	Registered with IANA on port 569 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:569
ID	484
Known Mappings	
UDP Port	569
TCP Port	569
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-RPC

Name/CLI Keyword	ms-rpc
Full Name	Microsoft Remote Procedure Call
Description	Microsoft Remote Procedure Call (MS-RPC) is an interprocess communication (IPC) mechanism that enables data exchange and invocation of functionality residing in a different process. That process can be on the same computer, on the local area network (LAN) or across the Internet.
Reference	http://technet.microsoft.com/en-us/library/cc958781.aspx
Global ID	L7:1310
ID	1310
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	inter-process-rpc
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-SERVICES

Name/CLI Keyword	ms-services
Full Name	Microsoft Services
Description	MS-Services is a set of tools, APIs, and web services used by Microsoft applications.
Reference	http://www.microsoft.com/
Global ID	L7:777
ID	1737
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	default
Category	other
Sub Category	other
P2P Technology	No
Encrypted	Yes
Traffic-class	transactional-data
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MS-SHUTTLE

Name/CLI Keyword	ms-shuttle
Full Name	Microsoft Shuttle
Description	Registered with IANA on port 568 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:568
ID	483
Known Mappings	
UDP Port	568
TCP Port	568
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-SMS

Name/CLI Keyword	ms-sms
Full Name	MS-RPC System Management Server
Description	Systems Management Server (SMS) is a systems management software product made by Microsoft for managing large groups of Windows-based computer systems. SMS provides remote control, patch management, software distribution, and hardware and software inventory. Its based on Microsoft Remote Procedure Call (MS RPC).
Reference	http://technet.microsoft.com/en-us/library/cc751130.aspx
Global ID	L7:484
ID	1413
Known Mappings	
UDP Port	-
TCP Port	80,2701,2702,2703,2704
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default
Category	software-updates
Sub Category	enterprise-sw-deployment-tools
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data
Tunnel	No
Underlying Protocols	http

MS-SQL-M

Name/CLI Keyword	ms-sql-m
Full Name	Microsoft SQL Monitor
Description	Microsoft SQL Monitor uses the SQL Server Resolution Protocol. It is an application-layer request/response protocol that facilitates connectivity to a database server and provides for Communication endpoint information and Database instance enumeration.
Reference	http://msdn.microsoft.com/en-us/library/cc219703(v=prot.10)
Global ID	L4:1434
ID	685
Known Mappings	
UDP Port	1434
TCP Port	1434
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	sqlsvr-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	database
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-STREAMING

Name/CLI Keyword	ms-streaming
Full Name	Microsoft Media Server
Description	Microsoft Media Server (MMS) is Microsoft's proprietary network streaming protocol used to transfer unicast data in Windows Media Services.
Reference	http://msdn.microsoft.com/en-us/library/cc239490.aspx
Global ID	L4:1755
ID	1355
Known Mappings	
UDP Port	1755
TCP Port	1755
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-TEAMS

Name/CLI Keyword	ms-teams
Full Name	Microsoft Teams
Description	Microsoft Teams, a platform that combines workplace chat, meetings, notes, and attachments, integrates with the Microsoft Office 365 subscription office productivity suite, including Microsoft Office and Skype.
Reference	https://products.office.com/en-us/microsoft-teams/group-chat-software
Global ID	L7:1208
ID	1208
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-relevant
Category	voice-and-video
Sub Category	enterprise-media-conferencing
P2P Technology	Yes
Encrypted	Yes
Traffic-class	multimedia-conferencing
Tunnel	No
Underlying Protocols	dns,ssl,http

MS-TEAMS-AUDIO

Name/CLI Keyword	ms-teams-audio
Full Name	Microsoft Teams Audio
Description	Microsoft Teams: audio portion of video chat or voice call.
Reference	https://products.office.com/en-us/microsoft-teams/group-chat-software
Global ID	L7:1214
ID	1214
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-relevant
Category	voice-and-video
Sub Category	enterprise-media-conferencing
P2P Technology	Yes
Encrypted	Yes
Traffic-class	multimedia-conferencing
Tunnel	No
Underlying Protocols	ms-teams-media

MS-TEAMS-MEDIA

Name/CLI Keyword	ms-teams-media
Full Name	Microsoft Teams Media
Description	Microsoft Teams: video or audio portion of a call.
Reference	https://news.microsoft.com/microsoft-teams/
Global ID	L7:1213
ID	1213
Known Mappings	
UDP Port	3478
TCP Port	3478
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-relevant
Category	voice-and-video
Sub Category	enterprise-media-conferencing
P2P Technology	Yes
Encrypted	Yes
Traffic-class	multimedia-conferencing
Tunnel	No
Underlying Protocols	ms-teams,rtp,stun-nat

MS-TEAMS-VIDEO

Name/CLI Keyword	ms-teams-video
Full Name	Microsoft Teams Video
Description	Microsoft Teams: video portion of video chat.
Reference	https://products.office.com/en-us/microsoft-teams/group-chat-software
Global ID	L7:1209
ID	1209
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	ms-cloud-group
Business Relevance	business-relevant
Category	voice-and-video
Sub Category	enterprise-media-conferencing
P2P Technology	Yes
Encrypted	Yes
Traffic-class	multimedia-conferencing
Tunnel	No
Underlying Protocols	ms-teams-media

MS-UPDATE

Name/CLI Keyword	ms-update
Full Name	Microsoft Windows Update Service
Description	Microsoft Windows Update Service provides updates for the Microsoft Windows operating system and its installed components.
Reference	http://windows.microsoft.com/en-us/windows/help/windows-update
Global ID	L7:497
ID	1432
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default
Category	software-updates
Sub Category	os-updates
P2P Technology	No
Encrypted	Yes
Traffic-class	bulk-data
Tunnel	No
Underlying Protocols	ssl,http,dns

MS-WBT

Name/CLI Keyword	ms-wbt
Full Name	Remote Desktop Protocol
Description	Remote Desktop Protocol (RDP) is a protocol developed by Microsoft. It was formerly known as Microsoft Windows Based Terminal (MS WBT). By default, RDP communication travels over TCP port 3389. The most common use of this protocol is the Remote Desktop Connection or Terminal Services client. The protocol is an extension of the ITU-T T.128 application sharing protocol. Clients exist for most versions of Microsoft Windows (including Windows Mobile), Linux, Unix, Mac OS X and other modern operating systems.
Reference	http://technet.microsoft.com/en-us/library/cc960973.aspx
Global ID	L4:3389
ID	689
Known Mappings	
UDP Port	
TCP Port	3389
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	remote-access-terminal
P2P Technology	No
Encrypted	No
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MS-WIN-DNS

Name/CLI Keyword	ms-win-dns
Full Name	MS RPC Windows DNS
Description	Microsoft Windows Internet Name Service (WINS) name resolution method is the implementation of NetBios name system services provided in Microsoft Windows operating systems. The underlying protocol is Microsoft Remote Procedure Call (MS RPC).
Reference	http://technet.microsoft.com/en-us/library/cc784180%28WS.10%29.aspx
Global ID	L7:481
ID	1410
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	naming-services
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ms-rpc

MSDP

Name/CLI Keyword	msdp
Full Name	Multicast Source Discovery Protocol
Description	Multicast Source Discovery Protocol (MSDP) is a multicast routing protocol belonging to the Protocol Independent Multicast (PIM) family. MSDP interconnects multiple IPv4 PIM Sparse-Mode (PIM-SM) domains, which enables PIM-SM to have Rendezvous Point (RP) redundancy and inter-domain multicasting.
Reference	http://tools.ietf.org/html/rfc3618
Global ID	L4:639
ID	548
Known Mappings	
UDP Port	639
TCP Port	639
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	routing-protocol
P2P Technology	No
Encrypted	No
Traffic-class	network-control. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MSEXCH-ROUTING

Name/CLI Keyword	msexch-routing
Full Name	MS Exchange Routing
Description	MS Exchange Routing is Used by Microsoft Exchange servers to exchange routing information.
Reference	http://technet.microsoft.com/en-us/library/bb123812
Global ID	L4:691
ID	599
Known Mappings	
UDP Port	691
TCP Port	691
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	email
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MSFT-GC-SSL

Name/CLI Keyword	msft-gc-ssl
Full Name	Microsoft Global Catalog with LDAP/SSL
Description	The Microsoft Global Catalog enables searching for Active Directory objects in any domain in the forest without the need for subordinate referrals, and users can find objects of interest quickly without having to know what domain holds the object.
Reference	http://technet.microsoft.com/en-us/library/how-global-catalog-servers-work(v=ws.10).aspx
Global ID	L4:3269
ID	688
Known Mappings	
UDP Port	3269
TCP Port	3269
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	sqlsvr-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	database
P2P Technology	No
Encrypted	Yes
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,spdy

MSFT-GC

Name/CLI Keyword	msft-gc
Full Name	Microsoft Global Catalog
Description	The Microsoft Global Catalog is a distributed data repository that contains a searchable, partial representation of every object in every domain in a multidomain ActiveDirectory Domain Services (ADDS) forest. The global catalog is stored on domain controllers that have been designated as global catalog servers and is distributed through multimaster replication.
Reference	http://technet.microsoft.com/en-us/library/cc728188(v=ws.10).aspx
Global ID	L4:3268
ID	687
Known Mappings	
UDP Port	3268
TCP Port	3268
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	sqlsvr-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	database
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MSG-AUTH

Name/CLI Keyword	msg-auth
Full Name	msg-auth
Description	Registered with IANA on port 31 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:31
ID	916
Known Mappings	
UDP Port	31
TCP Port	31
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MSG-ICP

Name/CLI Keyword	msg-icp
Full Name	msg-icp
Description	Registered with IANA on port 29 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:29
ID	913
Known Mappings	
UDP Port	29
TCP Port	29
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MSN-MESSENGER-FT

Name/CLI Keyword	msn-messenger-ft
Full Name	DEPRECATED, traffic will not match
Description	MSN Messenger (recently renamed to Windows Live Messenger) is an instant messaging client created by Microsoft that is designed to Work with Windows XP, Vista and Windows 7 etc. In June 2009 Microsoft reported the service attracted over 330 million active users each month.MSN-Messenger-Video represents the MSN-Messenger-Video network traffic. MSN-video traffic underlying protocol is rtp over stun traffic. Windows live messenger was replaced by Skype except for China.
Reference	http://explore.live.com/messenger
Global ID	L7:309
ID	1202
Known Mappings	
UDP Port	-
TCP Port	443,1080,1863,3389
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	msn-messenger-group
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	consumer-file-sharing
Sub Category	file-transfer
P2P Technology	No
Encrypted	Yes
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,spdy,socks,msn-messenger,ms-wbt

MSN-MESSENGER-VIDEO

Name/CLI Keyword	msn-messenger-video
Full Name	DEPRECATED, traffic will not match
Description	Msn-Messenger-Video represents the video traffic within the MS-Live-Messenger client. Windows live messenger was replaced by Skype except for China.
Reference	http://explore.live.com/messenger
Global ID	L7:323
ID	1216
Known Mappings	
UDP Port	-
TCP Port	443,1080,1863,3389
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	msn-messenger-group
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	voice-and-video
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	Yes
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	

MSN-MESSENGER

Name/CLI Keyword	msn-messenger
Full Name	Windows Live Messenger
Description	MSN-Messenger (recently renamed to Windows Live Messenger) software is used to connect clients to each other. The clients can chat and make audio and video calls with one-another. The software uses multiple underlying protocols: HTTP, SOCKS and MS-WBT.
Reference	http://explore.live.com/messenger
Global ID	L7:75
ID	75
Known Mappings	
UDP Port	-
TCP Port	80,443,1080,1863,3389
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	msn-messenger-group
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	instant-messaging
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	Yes
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,http,socks,ms-wbt

MSNP

Name/CLI Keyword	msnp
Full Name	Microsoft Notification Protocol
Description	Microsoft Notification Protocol (MSNP) is an instant messaging protocol developed by Microsoft for use by the .NET Messenger Service and the instant messaging clients that connect to it, such as Windows Live Messenger, its earlier incarnations MSN Messenger and Windows Messenger, and Microsoft Messenger for Mac. Third-party clients such as Pidgin and Trillian can also communicate using the protocol.
Reference	http://msnpiki.msnfanatic.com/
Global ID	L4:1863
ID	713
Known Mappings	
UDP Port	1863
TCP Port	1863
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	msn-messenger-group
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	instant-messaging
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	No
Traffic-class	multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MSP

Name/CLI Keyword	msp
Full Name	SEND
Description	The Message Send Protocol (SEND) is used to send a short message to a given user on a given terminal on a given host.
Reference	http://www.ietf.org/rfc/rfc1312
Global ID	L4:18
ID	907
Known Mappings	
UDP Port	18
TCP Port	18
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	email
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MTP

Name/CLI Keyword	mtp
Full Name	Multicast Transport Protocol
Description	Media Transfer Protocol is a set of custom extensions to the Picture Transfer Protocol (PTP). PTP is used for downloading photographs from digital cameras, whereas MTP adds support for the transfer of music files on digital audio players, media files on portable media players and personal information on personal digital assistants. Media Transfer Protocol (commonly referred to as MTP) is part of the "Windows Media" framework and thus closely related to Windows Media Player. Windows Vista has built-in support for MTP. Support for Media Transfer Protocol in Windows XP requires the installation of Windows Media Player 10 or higher. Mac and Linux systems have software packages to support it.
Reference	http://en.wikipedia.org/wiki/Media_Transfer_Protocol
Global ID	L3:92
ID	846
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	92
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MTV

Name/CLI Keyword	mtv
Full Name	MTV
Description	MTV - Official website for MTV.
Reference	http://mtv.com
Global ID	L7:619
ID	1193
Known Mappings	
UDP Port	53,5353
TCP Port	53,80,443,5353
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	browsing
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	ssl,http,dns,quic

MULTILING-HTTP

Name/CLI Keyword	multiling-http
Full Name	Multiling HTTP
Description	Registered with IANA on port 777 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:777
ID	650
Known Mappings	
UDP Port	777
TCP Port	777
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MULTIPLEX

Name/CLI Keyword	multiplex
Full Name	Network Innovations Multiplex
Description	Registered with IANA on port 171 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:171
ID	1016
Known Mappings	
UDP Port	171
TCP Port	171
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MUMPS

Name/CLI Keyword	mumps
Full Name	Plus Fives MUMPS
Description	Registered with IANA on port 188 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:188
ID	1032
Known Mappings	
UDP Port	188
TCP Port	188
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	business-and-productivity-tools
Sub Category	database
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MUX

Name/CLI Keyword	mux
Full Name	Multiplexing
Description	The Multiplexing Protocol is defined to allow the combining of transmission units of different higher level protocols in one transmission unit of a lower level protocol.
Reference	http://www.rfc-editor.org/ien/ien90.txt
Global ID	L3:18
ID	772
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	18
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MY-JABBER-FT

Name/CLI Keyword	my-jabber-ft
Full Name	My Jabber FT
Description	My Jabber File Transfer (My Jabber FT) is a feature that allows users to transfer files with each other. MyJabber interacts with AIM, ICQ, MSN, and Yahoo, and it has the ability to create conference rooms and person-to-person text talk. Transfers with Jabber can either be done direct client-to-client or via a proxy.
Reference	http://www.myjabber.com/
Global ID	L7:312
ID	1205
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MYLEX-MAPD

Name/CLI Keyword	mylex-mapd
Full Name	Mylex-mapd
Description	Registered with IANA on port 467 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:467
ID	381
Known Mappings	
UDP Port	467
TCP Port	467
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

MYSQL

Name/CLI Keyword	mysql
Full Name	mySQL
Description	MySQL is a relational database management system (RDBMS) that runs as a server, providing multi-user access to a number of databases. The SQL phrase stands for Structured Query Language.
Reference	http://www.mysql.com/
Global ID	L4:3306
ID	711
Known Mappings	
UDP Port	3306
TCP Port	3306
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	sqlsvr-group
Business Relevance	business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	net-admin
Sub Category	database
P2P Technology	No
Encrypted	No
Traffic-class	transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-