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TACACS

Name/CLI Keyword	tacacs
Full Name	Terminal Access Controller Access-Control System
Description	Terminal Access Controller Access-Control System (TACACS) is client that provides an access control to network entities such as routers and network access servers. Users can log in to the entities as if they were hosts. Typically TACACS uses TCP/UDP ports 49, 65.
Reference	http://tools.ietf.org/html/draft-grant-tacacs-02
Global ID	L4:49
ID	112
Known Mappings	
UDP Port	49,65
TCP Port	49,65
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	-

TACNEWS

Name/CLI Keyword	tacnews
Full Name	TAC News
Description	Registered with IANA on port 98 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:98
ID	969
Known Mappings	
UDP Port	98
TCP Port	98
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	-

TAGGED-COM

Name/CLI Keyword	tagged-com
Full Name	Tagged
Description	Tagged - Social networking site based in California.
Reference	http://tagged.com
Global ID	L7:798
ID	1726
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

TALK

Name/CLI Keyword	talk
Full Name	talk
Description	talk is a Unix text chat program. It originally allowed messaging only between the users logged on to one multi-user computer, but later was extended to allow chat to users on other systems.
Reference	http://manpages.ubuntu.com/manpages/precise/en/man1/talk.1posix.html
Global ID	L4:517
ID	434
Known Mappings	
UDP Port	517
TCP Port	517
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	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	-

TAPEWARE

Name/CLI Keyword	tapeware
Full Name	Yosemite Tech Tapeware
Description	Tapeware is an automatic backup program from Yosemite Technologies Inc. Tapeware was discontinued from the end of 2006 and replaced by Yosemite's new product, Yosemite Backup.
Reference	http://en.wikipedia.org/wiki/Tapeware
Global ID	L4:3817
ID	1372
Known Mappings	
UDP Port	3817
TCP Port	3817
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	other
Sub Category	backup-systems
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	-

TARINGA

Name/CLI Keyword	taringa
Full Name	Taringa
Description	Taringa - Argentinian Social network.
Reference	http://taringa.net
Global ID	L7:787
ID	1715
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

TCF

Name/CLI Keyword	tcf
Full Name	TCF
Description	Target Communication Framework (TCF) is a vendor-neutral, lightweight, extensible network protocol used mainly for communicating with embedded systems (targets). Its most distinguishing feature is that TCF is designed to transparently plug in value-adding servers between the tool and the target. Without value-add, the protocol can unify many currently independent communication links, thus saving resources and making setup and configuration much easier than in current embedded development scenarios.
Reference	http://wiki.eclipse.org/DSDP/TM/TCF_FAQ
Global ID	L3:87
ID	841
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	87
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	-

TCPOVERDNS

Name/CLI Keyword	tcpoverdns
Full Name	tcp tunneled over dns
Description	tcp-over-dns contains a special dns server and a special dns client. The client and server work in tandem to provide a TCP tunnel through the standard DNS protocol.
Reference	http://analogbit.com/software/tcp-over-dns
Global ID	L7:331
ID	1042
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant
Category	consumer-internet
Sub Category	other
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data
Tunnel	Yes
Underlying Protocols	dns

TD-REPLICA

Name/CLI Keyword	td-replica
Full Name	Tobit David Replica
Description	The Replication Services for David enable a replication of the contents of any archives that are stored on different David Servers. David (from Tobit Software) os a mail access server that also provides other services, such as: fax, voice and document management.
Reference	http://www.tobit.com
Global ID	L4:268
ID	1140
Known Mappings	
UDP Port	268
TCP Port	268
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	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

TD-SERVICE

Name/CLI Keyword	td-service
Full Name	Tobit David Service Layer
Description	Tobit software provides different kinds of communication solutions, including Faxing software, email, fax, voice, SMS and more.
Reference	http://www.tobit.com/
Global ID	L4:267
ID	1139
Known Mappings	
UDP Port	267
TCP Port	267
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	database
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	-

TEAMSOUND

Name/CLI Keyword	teamsound
Full Name	TeamSound
Description	TeamSound is a voice conferencing software for online game players. It can operate as a dedicated or non-dedicated peer-to-peer voice communication system, geared for use in multiplayer, networked Internet games.
Reference	http://www.fileol.com/audio-and-video/teamsound-5.6.html
Global ID	L4:40001
ID	1391
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	-

TEAMSPEAK

Name/CLI Keyword	teamspeak
Full Name	Teamspeak
Description	TeamSpeak software is an Internet based conferencing solution that enables users to speak with one another over the Internet. The software is based on client-server architecture and is firewall and router friendly.
Reference	http://teamspeak.com/
Global ID	L7:447
ID	1072
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	voice-and-video
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	-

TEAMVIEWER

Name/CLI Keyword	teamviewer
Full Name	remote access and desktop sharing
Description	TeamViewer is a computer software package for remote control, desktop sharing, and file transfer between computers. The software operates with the Microsoft Windows, Mac OS X Linux, iOS and Android operating systems.
Reference	http://www.teamviewer.com/en/index.aspx
Global ID	L7:494
ID	1430
Known Mappings	
UDP Port	-
TCP Port	80
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	desktop-virtualization
P2P Technology	No
Encrypted	Yes
Traffic-class	multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	-

TED

Name/CLI Keyword	ted
Full Name	TED
Description	TED - Conference and Talk show to share ideas.
Reference	http://ted.com
Global ID	L7:768
ID	1698
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

TEEDTAP

Name/CLI Keyword	teedtap
Full Name	Teedtap
Description	Registered with IANA on port 559 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:559
ID	474
Known Mappings	
UDP Port	559
TCP Port	559
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	-

TELEGRAM

Table 1: Protocol History

Release	Modification
Protocol Pack 67.0.0	This protocol was introduced.
Name/CLI Keyword	telegram
Full Name	Telegram
Description	Telegram is a cross-platform messaging service with enhanced encryption and privacy.
Reference	https://telegram.org/
Global ID	L7:1300
ID	1300
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant
Category	instant-messaging
Sub Category	consumer-multimedia-messaging
P2P Technology	false
Encrypted	true
Traffic-class	transactional-data
Tunnel	false
Underlying Protocols	http,ssl,dns

TELEGRAPH

Name/CLI Keyword	telegraph
Full Name	The Telegraph
Description	The Telegraph - Online news portal.
Reference	http://telegraph.co.uk
Global ID	L7:666
ID	1595
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

TELEPRESENCE-AUDIO

Name/CLI Keyword	telepresence-audio
Full Name	Telepresence Voice
Description	Cisco Telepresence Voice.
Reference	http://ciscopark.com
Global ID	L7:816
ID	1758
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	telepresence-group
Business Relevance	business-relevant
Category	voice-and-video
Sub Category	voice-video-chat-collaboration
P2P Technology	No
Encrypted	No
Traffic-class	voip-telephony
Tunnel	No
Underlying Protocols	-

TELEPRESENCE-CONTROL

Name/CLI Keyword	telepresence-control
Full Name	Telepresence Control
Description	Cisco TelePresence Control protocol is used for the audio and HD video interactive conferencing of the telepresence device. The communication is done over the Internet. The control protocol includes control packets over SIP and RTCP protocols, and works simultaneously with Cisco telepresence media protocol.
Reference	http://www.cisco.com/en/US/solutions/ns669/public_telepresence.html
Global ID	L7:114
ID	114
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	telepresence-group
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	sip, rtp

TELEPRESENCE-MEDIA

Name/CLI Keyword	telepresence-media
Full Name	Telepresence Media
Description	Cisco TelePresence media protocol is used for the audio and HD video interactive conferencing of the telepresence device. The communication is done over the internet. The protocol consists only data packets, and works simultaneously with cisco telepresence control protocol.
Reference	http://www.cisco.com/en/US/solutions/ns669/public_telepresence.html
Global ID	L7:113
ID	113
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	telepresence-group
Business Relevance	business-relevant. 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	No
Traffic-class	real-time-interactive. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	sip, rtp

TELL

Name/CLI Keyword	tell
Full Name	tell
Description	Registered with IANA on port 754 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:754
ID	629
Known Mappings	
UDP Port	754
TCP Port	754
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	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	-

TELNET

Name/CLI Keyword	telnet
Full Name	Telnet
Description	Telnet is a cross-platform interactive text-based protocol used to connect remote clients over a TCP/IP network. The telnet client connects to a host and becomes a Network Virtual Terminal (NVT) allowing the user to communicate remotely with the host. Typically, the protocol uses TCP port 23.
Reference	http://www.faqs.org/rfcs/rfc854.html
Global ID	L4:23
ID	42
Known Mappings	
UDP Port	23
TCP Port	23
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	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	-

TEMPO

Name/CLI Keyword	tempo
Full Name	tempo
Description	Registered with IANA on port 526 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:526
ID	444
Known Mappings	
UDP Port	526
TCP Port	526
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	-

TENFOLD

Name/CLI Keyword	tenfold
Full Name	TenFold
Description	Registered with IANA on port 658 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:658
ID	567
Known Mappings	
UDP Port	658
TCP Port	658
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	-

TEREDO-IPV6-TUNNELED

Name/CLI Keyword	teredo-ipv6-tunneled
Full Name	Teredo IPv6 Tunneled
Description	Teredo is a tunneling protocol designed to grant IPv6 connectivity to nodes that are located behind IPv6-unaware NAT devices. It defines a way of encapsulating IPv6 packets within IPv4 UDP datagrams that can be routed through NAT devices and on the IPv4 internet.
Reference	http://tools.ietf.org/html/rfc4380
Global ID	L7:326
ID	1219
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default
Category	layer3-over-ip
Sub Category	tunneling-protocols
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data
Tunnel	Yes
Underlying Protocols	-

TESLA-SYS-MSG

Name/CLI Keyword	tesla-sys-msg
Full Name	TESLA System Messaging
Description	Registered with IANA on port 7631 TCP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:7631
ID	1392
Known Mappings	
UDP Port	
TCP Port	7631
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	-

TEXAR

Name/CLI Keyword	texar
Full Name	Texar Security Port
Description	Registered with IANA on port 333 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:333
ID	869
Known Mappings	
UDP Port	333
TCP Port	333
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	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	-

TESCO

Name/CLI Keyword	tesco
Full Name	Tesco.com
Description	Tesco.com - General E-commerce website.
Reference	http://tesco.com
Global ID	L7:644
ID	1573
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

TFTP

Name/CLI Keyword	tftp
Full Name	Trivial File Transfer Protocol
Description	Trivial File Transfer Protocol (TFTP) is a file transfer protocol, with the functionality of a very basic form of FTP. It is useful for booting computers such as routers which do not have any data storage devices.
Reference	http://www.ietf.org/rfc/rfc1350.txt
Global ID	L4:69
ID	48
IP Version	
IPv4 Support	Yes
IPv6 Support	No
Application Group	tftp-group
Business Relevance	default
Category	file-sharing
Sub Category	file-transfer
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt
Tunnel	No
Underlying Protocols	dhcp

THE-ATLANTIC

Name/CLI Keyword	the-atlantic
Full Name	The Atlantic
Description	The Atlantic - News portal.
Reference	http://theatlantic.com
Global ID	L7:776
ID	1706
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

THECHIVE

Name/CLI Keyword	thehive
Full Name	theCHIVE
Description	theCHIVE - Funny photos and videos.
Reference	http://thehive.com
Global ID	L7:463
ID	257
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

THE-DAILY-BEAST

Name/CLI Keyword	the-daily-beast
Full Name	The Daily Beast
Description	The Daily Beast - American news reporting and opinion website.
Reference	http://thedailybeast.com
Global ID	L7:789
ID	1717
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

THEFREEDICTIONARY-COM

Name/CLI Keyword	thefreedictionary-com
Full Name	The Free Dictionary
Description	The Free Dictionary - Online dictionary aggregator.
Reference	http://thefreedictionary.com
Global ID	L7:694
ID	1624
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

THE-PIRATE-BAY

Name/CLI Keyword	the-pirate-bay
Full Name	The Pirate Bay
Description	The Pirate Bay - BitTorrent index and search engine.
Reference	https://thepiratebay.com
Global ID	L7:655
ID	1584
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

TIANYA

Name/CLI Keyword	tianya
Full Name	Tianya
Description	Tianya - Chinese forum for blogging, microblogging and photo album services.
Reference	http://tianya.cn
Global ID	L7:672
ID	1602
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

TICF-1

Name/CLI Keyword	ticf-1
Full Name	Transport Independent Convergence for FNA
Description	Registered with IANA on port 492 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:492
ID	406
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	other
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

TICF-2

Name/CLI Keyword	ticf-2
Full Name	Transport Independent Convergence for FNA
Description	Registered with IANA on port 493 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:493
ID	407
Known Mappings	
UDP Port	493
TCP Port	493
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	-

TIKTOK

Table 2: Protocol History

Release	Modification
Protocol Pack 66.0.0	This protocol was introduced.
Name/CLI Keyword	tiktok
Full Name	TikTok
Description	TikTok is a social media platform that allows users to create and share short videos.
Reference	https://www.tiktok.com
Global ID	L7:1294
ID	1294
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	tiktok-group
Business Relevance	business-irrelevant
Category	social-networking
Sub Category	other
P2P Technology	False
Encrypted	True
Traffic-class	transactional-data
Tunnel	False
Underlying Protocols	http,ssl,dns

TIMBUKTU

Name/CLI Keyword	timbuktu
Full Name	Timbaktu Remote Control Software
Description	Timbuktu is a remote control software product developed by WOS Datasystems. Timbuktu is compatible with computers running both Mac OS X and Windows.
Reference	http://www.motocam.com/Video-Solutions/US-EN/Products-and-Services/Software/Remote-Access/Timbuktu-Pro_US-EN
Global ID	L4:407
ID	322
Known Mappings	
UDP Port	407
TCP Port	407
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	desktop-virtualization
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	-

TIME

Name/CLI Keyword	time
Full Name	Time
Description	The Network Time Protocol (NTP) is a protocol used to get the accurate time and date from designated time servers. The protocol works on TCP and UDP, typically on port 37.
Reference	http://www.ietf.org/rfc/rfc868.txt
Global ID	L4:37
ID	105
Known Mappings	
UDP Port	37
TCP Port	37
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	-

TIMED

Name/CLI Keyword	timed
Full Name	Timeserver
Description	A time server is a server computer that reads the actual time from a reference clock and distributes this information to its clients using a computer network. The time server may be a local network time server or an Internet time server.
Reference	http://en.wikipedia.org/wiki/Time_server
Global ID	L4:525
ID	443
Known Mappings	
UDP Port	525
TCP Port	525
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	-

TINC

Name/CLI Keyword	tinc
Full Name	tinc
Description	tinc is a Virtual Private Network (VPN) daemon that uses tunnelling and encryption to create a secure private network between hosts on the Internet.
Reference	http://www.tinc-vpn.org/
Global ID	L4:655
ID	564
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default
Category	layer3-over-ip
Sub Category	tunneling-protocols
P2P Technology	No
Encrypted	Yes
Traffic-class	bulk-data
Tunnel	Yes
Underlying Protocols	tcp,udp

TLISRV

Name/CLI Keyword	tlisrv
Full Name	oracle
Description	Registered with IANA on port 1527 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:1527
ID	692
Known Mappings	
UDP Port	1527
TCP Port	1527
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	-

TLSP

Name/CLI Keyword	tlsp
Full Name	Transport Layer Security Protocol
Description	Transport Layer Security (TLS) and its predecessor, Secure Sockets Layer (SSL), are cryptographic protocols that provide communication security over the Internet. TLS and SSL encrypt the segments of network connections at the Application Layer for the Transport Layer, using asymmetric cryptography for key exchange, symmetric encryption for privacy, and message authentication codes for message integrity.
Reference	http://www.ietf.org/rfc/rfc5246.txt
Global ID	L3:56
ID	810
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	56
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	-

TIME-NEWS

Name/CLI Keyword	time-news
Full Name	TIME.com
Description	TIME.com - Webportal for TIME Magazine
Reference	http://time.com
Global ID	L7:696
ID	1626
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

TINYURL

Name/CLI Keyword	tinyurl
Full Name	TinyURL
Description	TinyURL - Shortens the long URL.
Reference	http://tinyurl.com
Global ID	L7:766
ID	1696
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

T-MOBILE-WEB-SERVICES

Name/CLI Keyword	t-mobile-web-services
Full Name	T Mobile
Description	T Mobile - Telecommunication and phone service provider.
Reference	http://t-mobile.com
Global ID	L7:792
ID	1720
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

TMZ

Name/CLI Keyword	tmz
Full Name	TMZ
Description	TMZ - Entertainment news.
Reference	http://tmz.com
Global ID	L7:701
ID	1631
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

TNETOS

Name/CLI Keyword	tnetos
Full Name	tnetos
Description	NEC Corporation
Reference	-
Global ID	L4:377
ID	293
Known Mappings	
UDP Port	377
TCP Port	377
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	-

TNS-CML

Name/CLI Keyword	tns-cml
Full Name	TNS CML
Description	Registered with IANA on port 590 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:590
ID	504
Known Mappings	
UDP Port	590
TCP Port	590
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	-

TN-TL-FD1

Name/CLI Keyword	tn-tl-fd1
Full Name	tn-tl-fd1
Description	Registered with IANA on port 476 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:476
ID	390
Known Mappings	
UDP Port	476
TCP Port	476
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	-

TOMATOPANG

Name/CLI Keyword	tomatopang
Full Name	Tomatopang
Description	Tomatopang is a Korean peer to peer file-sharing application. It is based on peer to peer architecture.
Reference	http://www.tomatopang.net/
Global ID	L7:449
ID	1093
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	-

TOR

Name/CLI Keyword	tor
Full Name	Tor
Description	Tor (The Onion Router) is a system intended to enable online anonymity. Tor client software routes Internet traffic through a worldwide volunteer network of servers in order to conceal a user's location or usage from someone conducting network surveillance or traffic analysis. The software is "free-software" and the network is free of charge to use.
Reference	http://www.torproject.org/
Global ID	L7:460
ID	1319
IP Version	
IPv4 Support	Yes
IPv6 Support	No
Application Group	other
Business Relevance	business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Category	internet-privacy
Sub Category	client-server
P2P Technology	Yes
Encrypted	Yes
Traffic-class	bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Tunnel	No
Underlying Protocols	ssl,http

TP++

Name/CLI Keyword	tp++
Full Name	TP++ Transport Protocol
Description	Registered with IANA as IP Protocol 39
Reference	http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml
Global ID	L3:39
ID	793
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	39
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Business Relevance	Default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.
Application Group	other
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	-

TPIP

Name/CLI Keyword	tpip
Full Name	TPIP
Description	Registered with IANA on port 594 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:594
ID	508
Known Mappings	
UDP Port	594
TCP Port	594
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	-

TRADESTATION

Name/CLI Keyword	tradedstation
Full Name	Technical Analysis Software
Description	The TradeStation analysis and trading platform is a professional electronic trading platform for financial market traders.
Reference	http://www.tradestation.com/
Global ID	L4:11010
ID	1393
Known Mappings	
UDP Port	
TCP Port	11010,11020
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	-

TRINOO

Name/CLI Keyword	trinoo
Full Name	trin00
Description	The trinoo or trin00 is a set of computer programs to conduct a DDoS attack. It is believed that trinoo networks has been set up on thousands of systems on the Internet that have been compromised by remote buffer overrun exploits.
Reference	http://en.wikipedia.org/wiki/Trinoo
Global ID	L4:27665
ID	1368
Known Mappings	
UDP Port	27444,31335
TCP Port	27665
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	-

TORRENTZ

Name/CLI Keyword	torrentz
Full Name	Torrentz
Description	Torrentz - BitTorrent metasearch engine
Reference	http://torrentz.eu
Global ID	L7:657
ID	1586
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

TRACEROUTE-LINUX

Name/CLI Keyword	traceroute-linux
Full Name	Traceroute Linux
Description	Linux traceroute command, which provides information about routes to a network host.
Reference	https://linux.die.net/man/8/traceroute
Global ID	L7:1199
ID	1199
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-relevant
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Traffic-class	ops-admin-mgmt
Tunnel	No
Underlying Protocols	-

TRULIA

Name/CLI Keyword	trulia
Full Name	Trulia
Description	Trulia - Online portal for Real Estate.
Reference	http://trulia.com
Global ID	L7:710
ID	1640
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

TRUNK-1

Name/CLI Keyword	trunk-1
Full Name	Trunk-1
Description	Registered with IANA as IP Protocol 23
Reference	http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml
Global ID	L3:23
ID	777
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	23
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	-

TRUNK-2

Name/CLI Keyword	trunk-2
Full Name	Trunk-2 Protocol
Description	Registered with IANA as IP Protocol 24
Reference	http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml
Global ID	L3:24
ID	778
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	24
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	-

TSERVER

Name/CLI Keyword	tserver
Full Name	Computer Supported Telecommunication Applications
Description	Registered with IANA on port 450 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:450
ID	365
Known Mappings	
UDP Port	450
TCP Port	450
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	-

TTP

Name/CLI Keyword	ttp
Full Name	TTP
Description	Registered with IANA as IP Protocol 84
Reference	http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml
Global ID	L3:84
ID	838
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	84
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	-

TUDOU

Name/CLI Keyword	tudou
Full Name	Tudou
Description	Tudou - Popular Chinese video sharing website.
Reference	http://tudou.com
Global ID	L7:630
ID	1559
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

TUMBLR

Name/CLI Keyword	tumblr
Full Name	tumblr
Description	Tumblr is a microblogging and social networking website.
Reference	https://www.tumblr.com/
Global ID	L7:1241
ID	1241
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	business-irrelevant
Category	social-networking
Sub Category	consumer-web-browsing
P2P Technology	No
Encrypted	Yes
Traffic-class	transactional-data
Tunnel	No
Underlying Protocols	http,ssl,dns

TUNNEL-HTTP

Name/CLI Keyword	tunnel-http
Full Name	Tunnel HTTP
Description	Tunnel HTTP represents the granular protocols that are tunneled over HTTP.
Reference	-
Global ID	L7:435
ID	739
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Business Relevance	default
Category	anonymizers
Sub Category	tunneling-protocols
P2P Technology	No
Encrypted	No
Traffic-class	bulk-data
Tunnel	Yes
Underlying Protocols	http

TUS-FILES

Name/CLI Keyword	tus-files
Full Name	TusFiles
Description	TusFiles is a cloud storage provider for online hosting and sharing of files.
Reference	http://www.tusfiles.net
Global ID	L4:1058
ID	1058
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	ssl,http,dns

TWITCH-TV

Name/CLI Keyword	twitch-tv
Full Name	TwitchTV
Description	TwitchTV - Justin.tv gaming specific livestreaming platform.
Reference	http://twitch.tv
Global ID	L7:648
ID	1577
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

TWITTER

Name/CLI Keyword	twitter
Full Name	Twitter
Description	Twitter is an online social networking service and microblogging service that enables its users to send and read text-based posts of up to 140 characters, known as tweets. It was created in March 2006 by Jack Dorsey and launched that July. The service rapidly gained worldwide commonly_used, with over 140 million active users as of 2012, generating over 340 millions tweets daily and handling over 1.6 billion search queries per day. It has been described as the SMS of the Internet.
Reference	http://twitter.com/about
Global ID	L7:517
ID	1453
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	social-networking
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

TYPEPAD

Name/CLI Keyword	typepad
Full Name	TypePad
Description	TypePad - Blogging service website.
Reference	http://typepad.com
Global ID	L7:791
ID	1719
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

