ECHO through EXEC

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ECHO

Name/CLI Keyword	echo
Full Name	Echo Protocol
Description	Echo is a protocol that is used for debugging and measurement. It works by sending back all the data that was received from the source. The protocol works on TCP and UDP, typically on port 7.
Reference	http://www.faqs.org/rfcs/rfc862.html
Global ID	L4:7
ID	101
Known Mappings	
UDP Port	7
TCP Port	7
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EDONKEY-STATIC

Name/CLI Keyword	edonkey-static
Full Name	eDonkey
Description	eDonkey is peer-to-peer file sharing adopted to share large files. The network is based on multiple decentralized servers. Each client must be connected to a server to enter the network. edonkey-static and eMule are also required to fully detect or prevent this application traffic.
Reference	http://en.wikipedia.org/wiki/EDonkey_network
Global ID	L7:416
ID	1333
Known Mappings	
UDP Port	4661,4662,4663,4664,4665,4672,4673,4711,5662,5773,5783
TCP Port	4661,4662,4663,4664,4665,4672,4673,4711,5662,5773,5783
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	edonkey-emule-group
Category	file-sharing
Sub Category	p2p-file-transfer
P2P Technology	Yes
Encrypted	No
Tunnel	No
Underlying Protocols	-

EDONKEY

Name/CLI Keyword	edonkey
Full Name	eDonkey
Description	eDonkey is peer-to-peer file sharing adopted to share large files. The network is based on multiple decentralized servers. Each client must be connected to a server to enter the network. edonkey-static and eMule are also required to fully detect or prevent this application traffic.
Reference	http://web.archive.org/web/20010213200827/www.edonkey2000.com/overview.html
Global ID	L7:67
ID	67
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	edonkey-emule-group
Category	file-sharing
Sub Category	p2p-file-transfer
P2P Technology	Yes
Encrypted	No
Tunnel	No
Underlying Protocols	http

EGP

Name/CLI Keyword	egp
Full Name	Exterior Gateway Protocol
Description	Exterior Gateway Protocol (EGP) is a protocol used to convey network information between neighboring gateways, or autonomic systems. This way the gateways acquire neighbors, monitor neighbor reachability and exchange net-reachability information in the form of update messages. EGP is IP protocol number 8.
Reference	http://tools.ietf.org/html/rfc904
Global ID	L3:8
ID	4
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	8
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	routing-protocol
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EIGRP

Name/CLI Keyword	eigrp
Full Name	Interior Gateway Routing Protocol
Description	Enhanced Interior Gateway Routing Protocol (EIGRP) is an interior gateway protocol. It is an advanced distance-vector routing protocol, with optimizations to minimize both the routing instability incurred after topology changes, as well as the use of bandwidth and processing power in the router. The protocol is usually known as IP protocol 88 as default.
Reference	http://www.cisco.com/en/US/tech/tk365/technologies_white_paper09186a0080094cb7.shtml
Global ID	L3:88
ID	7
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	88
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	routing-protocol
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ELCSD

Name/CLI Keyword	elcsd
Full Name	errlog copy/server daemon
Description	Registered with IANA on port 704 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:704
ID	608
Known Mappings	
UDP Port	704
TCP Port	704
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	network-management
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EMBL-NDT

Name/CLI Keyword	embl-ndt
Full Name	EMBL Nucleic Data Transfer
Description	Registered with IANA on port 394 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:394
ID	310
Known Mappings	
UDP Port	394
TCP Port	394
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	industrial-protocols
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EMCON

Name/CLI Keyword	emcon
Full Name	Emission Control Protocol
Description	Registered with IANA as IP Protocol 14
Reference	http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml
Global ID	L3:14
ID	769
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	14
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EMFIS-CNTL

Name/CLI Keyword	emfis-cntl
Full Name	EMFIS Control Service
Description	Registered with IANA on port 141 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:141
ID	933
Known Mappings	
UDP Port	141
TCP Port	141
IP Protocol	-
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	-

EMFIS-DATA

Name/CLI Keyword	emfis-data
Full Name	EMFIS Data Service
Description	Registered with IANA on port 140 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:140
ID	929
Known Mappings	
UDP Port	140
TCP Port	140
IP Protocol	-
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	-

ENCAP

Name/CLI Keyword	encap
Full Name	Encapsulation Header
Description	Encapsulation Protocol is an IP tunneling protocol implemented by encapsulating the IP datagram within an additional IP header, thus enabling a destination to be reached transparently without the source having to know topology specifics.
Reference	http://tools.ietf.org/html/rfc1241
Global ID	L3:98
ID	852
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	98
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ENCRYPTED-BITTORRENT

Name/CLI Keyword	encrypted-bittorrent
Full Name	Encrypted Bittorrent
Description	Encrypted BitTorrent is an attempt to provide anonymous and private BitTorrent traffic. BitTorrent is a peer-to-peer file sharing protocol used for distributing files over the internet. It identifies content by URL and is designed to integrate seamlessly with the web. The BitTorrent protocol is based on a BitTorrent tracker (server) that initializes the connections between the clients (peers).
Reference	http://www.bittorrent.com/
Global ID	L7:313
ID	1206
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	bittorrent-group
Category	file-sharing
Sub Category	p2p-file-transfer
P2P Technology	Yes
Encrypted	Yes
Tunnel	No
Underlying Protocols	-

ENCRYPTED-EMULE

Name/CLI Keyword	encrypted-emule
Full Name	Encrypted eMule (eDonkey and Kademlia)
Description	eMule is a peer-to-peer file sharing application based on eDonkey, eDonkey2000 and Kad network. eMule clients enable obfuscation support to encrypt the traffic, encrypted emule represents the encrypted traffic. edonkey and edonkey-static are also required to fully detect or prevent this application traffic.
Reference	http://www.emule-project.net/
Global ID	L7:417
ID	885
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	edonkey-emule-group
Category	file-sharing
Sub Category	p2p-file-transfer
P2P Technology	Yes
Encrypted	Yes
Tunnel	No
Underlying Protocols	-

ENTOMB

Name/CLI Keyword	entomb
Full Name	entomb
Description	Registered with IANA on port 775 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:775
ID	647
Known Mappings	
UDP Port	775
TCP Port	775
IP Protocol	-
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	-

ENTRUST-AAAS

Name/CLI Keyword	entrust-aaas
Full Name	entrust-aaas
Description	Registered with IANA on port 680 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:680
ID	588
Known Mappings	
UDP Port	680
TCP Port	680
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	authentication-services
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ENTRUST-AAMS

Name/CLI Keyword	entrust-aams
Full Name	entrust-aams
Description	Registered with IANA on port 681 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:681
ID	589
Known Mappings	
UDP Port	681
TCP Port	681
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	authentication-services
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ENTRUST-ASH

Name/CLI Keyword	entrust-ash
Full Name	Entrust Administration Service Handler
Description	Registered with IANA on port 710 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:710
ID	613
Known Mappings	
UDP Port	710
TCP Port	710
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	internet-privacy
Sub Category	authentication-services
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ENTRUST-KMSH

Name/CLI Keyword	entrust-kmsh
Full Name	Entrust Key Management Service Handler
Description	Entrust Key Management Service Handler (Entrust-KMSH) is a cryptographic key management service for Entrust, a network security company, authentication products.
Reference	http://www.entrust.com/
Global ID	L4:709
ID	612
Known Mappings	
UDP Port	709
TCP Port	709
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	internet-privacy
Sub Category	authentication-services
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ENTRUST-SPS

Name/CLI Keyword	entrust-sps
Full Name	Entrust SPS
Description	Registered with IANA on port 640 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:640
ID	549
Known Mappings	
UDP Port	640
TCP Port	640
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	business-and-productivity-tools
Sub Category	authentication-services
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EPMAP

Name/CLI Keyword	epmap
Full Name	DCE endpoint resolution
Description	Registered with IANA on port 135 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:135
ID	1311
Known Mappings	
UDP Port	135
TCP Port	135
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	other
Sub Category	inter-process-rpc
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ERPC

Name/CLI Keyword	erpc
Full Name	Encore Expedited Remote Pro.Call
Description	Registered with IANA on port 121 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:121
ID	990
Known Mappings	
UDP Port	121
TCP Port	121
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	business-and-productivity-tools
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ESCP-IP

Name/CLI Keyword	escp-ip
Full Name	ESCP
Description	Registered with IANA on port 621 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:621
ID	530
Known Mappings	
UDP Port	621
TCP Port	621
IP Protocol	-
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	-

ESIGNAL

Name/CLI Keyword	esignal
Full Name	eSignal
Description	Used by eSignal in their online trading line of products.
Reference	http://www.esignal.com/
Global ID	L4:2189
ID	1380
Known Mappings	
UDP Port	
TCP Port	2189,2194,2196
IP Protocol	-
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	-

ESRO-EMSDP

Name/CLI Keyword	esro-emsdp
Full Name	ESRO-EMSDP V1.3
Description	Registered with IANA on port 642 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:642
ID	551
Known Mappings	
UDP Port	642
TCP Port	642
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	email
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ESRO-GEN

Name/CLI Keyword	esro-gen
Full Name	Efficient Short Remote Operations
Description	Efficient Short Remote Operations (ESRO) provide an efficent mechanism for realization of Remote Procedure Call.
Reference	http://tools.ietf.org/html/rfc2188
Global ID	L4:259
ID	1131
Known Mappings	
UDP Port	259
TCP Port	259
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	other
Sub Category	inter-process-rpc
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ETHERIP

Name/CLI Keyword	etherip
Full Name	Ethernet-within-IP Encapsulation
Description	EtherIP is a protocol used for tunneling Ethernet packets and IEEE 802.3 MAC frames across an IP internet. It is usually used when the Layer 3 protocol is not IP, or when the Layer 3 data is obscured by encryption. EtherIP is IP protocol number 97.
Reference	http://tools.ietf.org/html/rfc3378
Global ID	L3:97
ID	851
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	97
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	layer3-over-ip
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EUDORA-SET

Name/CLI Keyword	eudora-set
Full Name	Eudora Set
Description	Registered with IANA on port 592 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml
Global ID	L4:592
ID	506
Known Mappings	
UDP Port	592
TCP Port	592
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	email
Sub Category	other
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EXCHANGE

Name/CLI Keyword	exchange
Full Name	Microsoft Exchange
Description	Exchange is a protocol that allows users to synchronize and connect to their exchange server when the client is outside the organization's firewall. The underlying protocol is RPC over HTTP.
Reference	http://support.microsoft.com/kb/262986
Global ID	L7:49
ID	49
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	email
Sub Category	client-server
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	ms-rpc

EXEC

Name/CLI Keyword	exec
Full Name	exec
Description	EXEC protocol is used for remote process execution. The client connects to a server via a terminal and it is as if the program is being run on the local machine.
Reference	http://wiki.wireshark.org/Exec
Global ID	L4:512
ID	426
Known Mappings	
UDP Port	
TCP Port	512
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	other
Category	net-admin
Sub Category	remote-access-terminal
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-