BGP

Name/CLI Keyword	bgp
Full Name	Border Gateway Protocol
Description	Border Gateway Protocol (BGP) is a protocol designed to share network information (for example network reachability) between autonomous systems (AS). According to the information, the BGP routers build/modify their routing tables. The protocol was designed to replace the Exterior Gateway Protocol (EGP). Usually the protocol uses TCP/UDP ports 179 as default.
Reference	http://tools.ietf.org/html/rfc4274
Global ID	L4:179
ID	11
Known Mappings	
UDP Port	179
TCP Port	179
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-

P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

BITTORRENT

Name/CLI Keyword	bittorrent
Full Name	BitTorrent
Description	BitTorrent is a p2p 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 a BitTorrent tracker (server) that initializes the connections between the clients (peers).
Reference	http://jonas.nitro.dk/bittorrent/bittorrent-rfc.html
Global ID	L7:69
ID	69
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No

Encrypted	No
Tunnel	No
Underlying Protocols	socks

CITRIX

Name/CLI Keyword	citrix
Full Name	Citrix
Description	Citrix is an application that mediates users remotely to their corporate applications. ICA: Independed Computing Architecture is a designated protocol for application server system; it is used for transferring data between clients and servers.CGP: CGP is a tunneling protocol, the latest addition to the family of Citrix protocol.As of today it encapsulates ICA protocol but will be extended to other Citrix protocol such as RDP, HTTP/HTTPS.IMA: used for server-server communication. Server-Browser: Used mainly a control connection which has Published Application Name and triggers an ICA connection
Reference	http://www.citrix.com/site/resources/dynamic/additional/ICA_Acceleration_0709a.pdf
Global ID	L7:56
ID	56
Known Mappings	
UDP Port	1604
TCP Port	1494,2512,2513,2598
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-

P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

DHCP

Name/CLI Keyword	dhcp
Full Name	Dynamic Host Configuration Protocol
Description	The Dynamic Host Configuration Protocol (DHCP) provides a framework for passing configuration information to hosts on a TCP/IP network. The information given by designated DHCP servers include: IP address, subnet mask and default gateway. A DHCP server usually listens on UDP port 67 and DHCP client usually listens on UDP 68.
Reference	http://www.ietf.org/rfc/rfc2131.txt
Global ID	L7:13
ID	13
Known Mappings	
UDP Port	67,68
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No

Encrypted	No
Tunnel	No
Underlying Protocols	-

DIRECTCONNECT

Name/CLI Keyword	directconnect
Full Name	Direct Connect
Description	Direct connect is a peer-to-peer file sharing protocol. Clients connect to a main hub that mediates them to other clients in order to download files. The hubs hold a database of clients and files and mediate the clients. Once clients are connected in a P2P manner, they can download files and chat with one another.
Reference	http://www.metroactive.com/papers/metro/07.12.01/work-0128.html
Global ID	L7:70
ID	70
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No

Tunnel	No
Underlying Protocols	-

DNS

Name/CLI Keyword	dns
Full Name	Domain Name System
Description	Domain Name Server is a server that translates URLs into IP addresses based on client queries. It is based on client-server architecture.
Reference	https://www1.ietf.org/rfc/rfc1035.txt
Global ID	L4:53
ID	72
Known Mappings	
UDP Port	53
TCP Port	53
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

EDONKEY

Name/CLI Keyword	edonkey
Full Name	eDonkey
Description	eDonkey is a peer-to-peer file sharing addopted 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	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

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	-
Category	-
Sub Category	-
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	-
Category	-
Sub Category	-
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	135
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

FASTTRACK

Name/CLI Keyword	fasttrack
Full Name	FastTrack
Description	FastTrack is a file sharing client software that is based on peer-to-peer connection. FastTrack is used by multiple file sharing applications such as Kazaa, Grokster, iMesh, and Morpheus. Initialization: Initial the connection with FastTrack server over HTTP. Search: Searching for files in FastTrack server. Download: Download request from FastTracker server.
Reference	http://developer.berlios.de/projects/gift-fasttrack/
Global ID	L7:57
ID	57
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

FINGER

Name/CLI Keyword	finger
Full Name	Finger Protocol
Description	The Finger/Name protocol provides an interface to the Name and Finger programs at several network sites. These programs return a friendly, human-oriented status report on either the system at the moment or a particular person in depth.
Reference	http://www.ietf.org/rfc/rfc1288.txt
Global ID	L4:79
ID	14
Known Mappings	
UDP Port	79
TCP Port	79
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

FTP

Name/CLI Keyword	ftp
Full Name	File Transfer Protocol
Description	File Transfer Protocol (FTP) is used to transfer files between hosts over TCP networks and is based on client-server architecture. An FTP server usually listens on port 21.
Reference	http://www.ietf.org/rfc/rfc959.txt
Global ID	L4:21
ID	2
Known Mappings	
UDP Port	-
TCP Port	21
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

GNUTELLA

Name/CLI Keyword	gnutella
Full Name	Gnutella
Description	Gnutella ver.2 is decentralized and open-source peer-to-peer file sharing protocol used by various clients such as BearShare, Shareeza, Morpheus, etc. Using a Gnutella client, files can be shared, located and downloaded by another Gnutella client.
Reference	http://rfc-gnutella.sourceforge.net/
Global ID	L7:58
ID	58
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

GOPHER

Name/CLI Keyword	gopher
Full Name	Gopher
Description	Internet Gopher protocol is a protocol is a TCP/IP application layer protocol designed for distributing, searching, and retrieving documents over the Internet. The protocol is based on a client-server architecture and usually uses TCP port 70 as default.
Reference	http://tools.ietf.org/html/rfc1436
Global ID	L4:70
ID	15
Known Mappings	
UDP Port	70
TCP Port	70
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

GRE

Name/CLI Keyword	gre
Full Name	Generic Route Encapsulation
Description	Generic Routing Encapsulation (GRE) is a protocol used for encapsulation of a network layer over another. The protocol encapsulates the packet and saves the protocol type of the payload packet so the receivers know what network layer was encapsulated, and digests the packet respectively. Usually the protocol uses IP port 47.
Reference	http://tools.ietf.org/html/rfc2784
Global ID	L3:47
ID	5
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	47
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

H323

Name/CLI Keyword	h323
Full Name	H.323
Description	H.323 is a recommendation from the ITU Telecommunication Standardization Sector (ITU-T) that defines the protocols to provide audio-visual communication sessions on any packet network. The H.323 standard addresses call signaling and control, multimedia transport and control, and bandwidth control for point-to-point and multi-point conferences.
Reference	http://www.h323forum.org/
Global ID	L7:64
ID	64
Known Mappings	
UDP Port	-
TCP Port	11000,11001,11002,11003,11004,11005,11006,11007,11008,11009,11010,11011,11012,11013,11
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

HTTP

Name/CLI Keyword	http
Full Name	HyperText Transfer Protocol
Description	Hypertext Transfer Protocol (HTTP) is a standard for communication between web browsers and servers over the World Wide Web. The protocol works in a request-response manner over a client server computing model. The server usually listens on port 80.
Reference	http://www.w3.org/Protocols/rfc2616/rfc2616.html
Global ID	L4:80
ID	3
Known Mappings	
UDP Port	-
TCP Port	80
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

ICMP

Name/CLI Keyword	icmp
Full Name	Internet Control Message Protocol
Description	Internet Control Message Protocol (ICMP) messages are typically generated in response to errors in IP datagrams or for diagnostic or routing purposes. ICMP errors are always reported to the original source IP address of the originating datagram. ICMP is IP protocol number 1. Traffic is classified only if its identified as ICMP but was not recognized as any other more granular classification such as Ping.
Reference	http://tools.ietf.org/html/rfc792
Global ID	L3:1
ID	6
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	1
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

IMAP

Name/CLI Keyword	imap
Full Name	Internet Message Access Protocol version 4
Description	The Internet Message Acceess protocol allows users to acess their email servers and to receive/send emails. The protocol simulates a local use when in-fact it is a connection to a server. An IMAP server usually listens on port 143.
Reference	http://tools.ietf.org/html/rfc3501
Global ID	L4:143
ID	17
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

IPINIP

Name/CLI Keyword	ipinip
Full Name	IP in IP
Description	IP in IP tunneling is a protocol used to encapsulate IP headers to a different IP header to share information between endpoints in different internet-networks (for example forwarding traffic from one intranet to another).
Reference	http://tools.ietf.org/html/rfc1853
Global ID	L3:4
ID	8
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	4
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

IPV6-ICMP

Name/CLI Keyword	ipv6-icmp
Full Name	ICMP for IPv6
Description	Internet Control Message Protocol version 6 (ICMPv6) is the implementation of the Internet Control Message Protocol (ICMP) for Internet Protocol version 6 (IPv6). ICMPv6 is an integral part of IPv6 and performs error reporting, diagnostic functions (e.g., ping), and a framework for extensions to implement future changes.
Reference	http://tools.ietf.org/html/rfc4443
Global ID	L3:58
ID	812
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	58
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

IRC

Name/CLI Keyword	irc
Full Name	Internet Relay Chat
Description	Internet Relay Chat (IRC) protocol is used for chat messaging in real time. It can be used for conferencing or one-on-one chatting. The protocol works on client-server architecture with a distributed manner. An IRC server usually listens on TCP port 194.
Reference	http://www.irchelp.org/irchelp/rfc/rfc.html
Global ID	L4:194
ID	19
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	http

KAZAA2

Name/CLI Keyword	kazaa2
Full Name	Kazaa2
Description	Kazaa is an online music subscription service that is based on second generation peer-to-peer technology FastTracker.
Reference	http://www.kazaa.com/#!/about
Global ID	L7:59
ID	59
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

KERBEROS

Name/CLI Keyword	kerberos
Full Name	Kerberos
Description	Kerberos is a network authentication protocol. The protocol is used to verify identities over the internet using a trusted third party. Extensions of the protocol also use the exchange of cryptographic certification of a public key. Usually the protocol uses TCP/UDP ports 88/749 as default.
Reference	http://www.ietf.org/rfc/rfc4120.txt
Global ID	L4:88
ID	21
Known Mappings	
UDP Port	88,749
TCP Port	88,749
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

L2TP

Name/CLI Keyword	l2tp
Full Name	Layer 2 Tunneling Protocol
Description	Layer 2 Tunneling Protocol (L2TP) is a tunneling protocol used to support virtual private networks (VPNs) or as part of the delivery of services by ISPs. It does not provide any encryption or confidentiality by itself; it relies on an encryption protocol that it passes within the tunnel to provide privacy.
Reference	http://tools.ietf.org/html/rfc2661
Global ID	L4:115
ID	22
Known Mappings	
UDP Port	1701
TCP Port	1701
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

LDAP

Name/CLI Keyword	ldap
Full Name	Lightweight Directory Access Protocol
Description	Lightweight Directory Access Protocol (LDAP) is a protocol designed to to access distributed directory services. Typically it uses port 389 for TCP and UDP.
Reference	http://tools.ietf.org/html/rfc4510
Global ID	L4:389
ID	23
Known Mappings	
UDP Port	389
TCP Port	389
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
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	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

NETBIOS

Name/CLI Keyword	netbios
Full Name	Network Basic Input/Output System
Description	Network Basic Input/Output System (NetBIOS) provides services related to the session layer of the OSI model allowing applications on separate computers to communicate over a local area network. As strictly an API, NetBIOS is not a networking protocol. In modern networks, NetBIOS normally runs over TCP/IP via the NetBIOS over TCP/IP (NBT) protocol. This results in each computer in the network having both an IP address and a NetBIOS name corresponding to a (possibly different) host name.
Reference	http://tools.ietf.org/html/rfc1001
Global ID	L7:26
ID	26
Known Mappings	
UDP Port	137,138
TCP Port	137,139
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

NETSHOW

Name/CLI Keyword	netshow
Full Name	NetShow
Description	Netshow is a Microsoft software designed to stream media over intranets and the internet. NetShow can transfer live multicast and on-demand streamed audio, illustrated audio and video. Typically, Netshow uses TCP port 1755 and UDP ports between 1024-5000.
Reference	http://www.microsoft.com/presspass/press/1997/mar97/nsbta2pr.mspx
Global ID	L7:426
ID	53
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

NFS

Name/CLI Keyword	nfs
Full Name	Network File System
Description	Network File System (NFS) is a distributed file system developed by Sun Microsystems, Inc. that allows users to access and modify files remotely as if it was a local file. The protocol is based on client server architecture and typically uses TCP/UDP port 2049.
Reference	http://www.ietf.org/rfc/rfc3530.txt
Global ID	L4:2049
ID	27
Known Mappings	
UDP Port	2049
TCP Port	2049
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	No

NNTP

Name/CLI Keyword	nntp
Full Name	Network News Transfer Protocol
Description	Network News Transfer Protocol (NNTP) is an internet transfer protocol used for reading/posting Usenet articles and transferring them between news servers. Usually the TCP port is 119, while nntp over SSL TCP/UDP port is 563.
Reference	http://tools.ietf.org/html/rfc3977
Global ID	L4:119
ID	28
Known Mappings	
UDP Port	119
TCP Port	119
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

NOTES

Name/CLI Keyword	notes
Full Name	IBM Lotus Notes
Description	IBM Lotus Notes is the client of a collaborative client-server platform. IBM Lotus Domino is the application server. Lotus Notes provides integrated collaboration functionality, including email, calendaring, contacts management, to do tracking, instant messaging, an office productivity suite (IBM Lotus Symphony), and access to other Lotus Domino applications and databases.
Reference	http://www-01.ibm.com/software/lotus/notesanddomino/
Global ID	L4:1352
ID	30
Known Mappings	
UDP Port	1352
TCP Port	1352
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

NTP

Name/CLI Keyword	ntp
Full Name	Network Time Protocol
Description	The Network Time Protocol is a protocol for synchronizing the system clocks of distributed computer systems over packet-switched, variable-latency data networks. Usually the UDP port used is 123.
Reference	http://www.eecis.udel.edu/~mills/ntp/html/index.html
Global ID	L4:123
ID	31
Known Mappings	
UDP Port	123
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

OSPF

Name/CLI Keyword	ospf
Full Name	Open Shortest Path First
Description	Open Shortest Path First (OSPF) is a link state routing protocol that shares the network topology of an Autonomous System between OSPF routers. Each OSPF router maintains a database by calculating Shortest Path Tree algorithm with the link state provided from the OSPF protocol.
Reference	http://www.ietf.org/rfc/rfc2328.txt
Global ID	L3:89
ID	10
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	89
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

POP3

Name/CLI Keyword	pop3
Full Name	Post Office Protocol 3
Description	Post Office Protocol 3 is an application-layer Internet standard protocol used by local e-mail clients to retrieve e-mail from a remote server over a TCP/IP connection. POP3 usually uses TCP port 995.
Reference	http://www.ietf.org/rfc/rfc1939.txt
Global ID	L4:110
ID	33
Known Mappings	
UDP Port	-
TCP Port	110
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

PPTP

Name/CLI Keyword	pptp
Full Name	Point-to-Point Tunneling Protocol
Description	Point-to-Point Tunneling Protocol uses a control channel over TCP and a GRE (Generic Routing Encapsulation) tunnel operating to encapsulate PPP packets.
Reference	http://www.ietf.org/rfc/rfc2637.txt
Global ID	L4:1723
ID	35
Known Mappings	
UDP Port	-
TCP Port	1723
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

PRINTER

Name/CLI Keyword	printer
Full Name	Line Printer Daemon Protocol
Description	TheLine Printer Daemon protocol/Line Printer Remote protocol(orLPD,LPR) is a network protocol for submitting print jobs to a remote printer.
Reference	http://www.ietf.org/rfc/rfc1179.txt
Global ID	L4:515
ID	46
Known Mappings	
UDP Port	515
TCP Port	515
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

RIP

Name/CLI Keyword	rip
Full Name	Routing Information Protocol
Description	Routing Information Protocol (RIP) is a routing protocol used in IP based networks, based on the Distance Vector routing algorithm. RIP is designed to be used in an Autonomous System (AS) as a Interior Gateway Protocol (IGP).
Reference	http://tools.ietf.org/html/rfc2453
Global ID	L4:520
ID	36
Known Mappings	
UDP Port	520
TCP Port	520
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

RTCP

Name/CLI Keyword	rtcp
Full Name	Real-Time Transport Control Protocol
Description	Real Time Transport Control Protocol (RTCP) is augmentation of RTP. RTCP allow monitoring of the data delivery to large multicast networks, provides control and identification functionality. Typically, RTCP uses UDP as its transport protocol.
Reference	http://www.ietf.org/rfc/rfc3550.txt
Global ID	L7:66
ID	66
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

RTP

Name/CLI Keyword	rtp
Full Name	Real-time Transport Protocol
Description	Real-time Transport Protocol is used for streaming video and audio in real-time for various applications. RTP works in conjunction with some streaming control protocol like RTCP, SIP, H.225 or H.245.
Reference	http://tools.ietf.org/html/rfc3551
Global ID	L7:61
ID	61
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

RTSP

Name/CLI Keyword	rtsp
Full Name	Real Time Streaming Protocol
Description	Real Time Streaming Protocol is a control protocol that is used to control media streaming in real-time for various applications. RTSP is based on client server architecture and the common port associated is 554.
Reference	http://www.ietf.org/rfc/rfc2326.txt
Global ID	L4:554
ID	60
Known Mappings	
UDP Port	-
TCP Port	554,8554
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SAP

Name/CLI Keyword	sap
Full Name	SAP
Description	SAP offers various software applications and solutions for businesses and business productivity. It provides solutions for IT management, data bases and business analysis. Typically, SAP uses 3200, 3300 and 3600 TCP ports as default
Reference	http://www.sap.com
Global ID	L7:84
ID	84
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-FTP

Name/CLI Keyword	secure-ftp
Full Name	ftp protocol control over TLS/SSL
Description	FTPS (Secure FTP) is an extension to the commonly used File Transfer Protocol (FTP) that adds support for the Transport Layer Security (TLS) and the Secure Sockets Layer (SSL) cryptographic protocols.
Reference	http://en.wikipedia.org/wiki/FTPS
Global ID	L4:990
ID	44
Known Mappings	
UDP Port	990
TCP Port	990
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-HTTP

Name/CLI Keyword	secure-http
Full Name	Secured HTTP or SSL
Description	Secure Hypertext Transfer Protocol(S-HTTP) is a little-used alternative to theHTTPSURI scheme forencryptingwebcommunications carried overHTTP.
Reference	http://tools.ietf.org/html/rfc2660
Global ID	L4:443
ID	16
Known Mappings	
UDP Port	443
TCP Port	443
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-IMAP

Name/CLI Keyword	secure-imap
Full Name	Internet Message Access Protocol over TLS/SSL
Description	Internet Message Access Protocol over TLS/SSL allows users to securely acess their email servers and to receive/send emails. The protocol simulates local use when in fact it is a connection to a server.
Reference	http://tools.ietf.org/html/rfc2595
Global ID	L4:993
ID	18
Known Mappings	
UDP Port	993,585
TCP Port	993,585
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-IRC

Name/CLI Keyword	secure-irc
Full Name	Secure IRC
Description	Registered with IANA on port 994 TCP/UDP
Reference	http://www.iana.org/assignments/service-names-port-numbers/ service-names-port-numbers.xml
Global ID	L4:994
ID	20
Known Mappings	
UDP Port	994
TCP Port	994
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-LDAP

Name/CLI Keyword	secure-ldap
Full Name	ldap protocol over TLS
Description	The Lightweight Directory Access Protocol (LDAP) is used to read from and write to Active Directory. By default, LDAP traffic is transmitted unsecured. You can make LDAP traffic confidential and secure by using Secure Sockets Layer (SSL) / Transport Layer Security (TLS) technology. You can enable LDAP over SSL (LDAPS) by installing a properly formatted certificate from either a Microsoft certification authority (CA) or a non-Microsoft CA.
Reference	http://support.microsoft.com/kb/321051
Global ID	L4:636
ID	24
Known Mappings	
UDP Port	636
TCP Port	636
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-NNTP

Name/CLI Keyword	secure-nntp
Full Name	Secure Network News Transfer Protocol
Description	Secure Network News Transfer Protocol (SNNTP) is NNTP over TLS. NNTP is an internet transfer protocol used for reading/posting Usenet articles and transferring them between news servers.
Reference	http://tools.ietf.org/html/rfc3977
Global ID	L4:563
ID	29
Known Mappings	
UDP Port	563
TCP Port	563
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-POP3

Name/CLI Keyword	secure-pop3
Full Name	Post Office Protocol 3 over TLS
Description	Secure Post Office Protocol 3 is an application-layer Internet standard over TLS/SSL protocol used by local e-mail clients to securely retrieve e-mail from a remote server over a TCP/IP connection.
Reference	http://tools.ietf.org/html/rfc2595
Global ID	L4:995
ID	34
Known Mappings	
UDP Port	995
TCP Port	995
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SECURE-TELNET

Name/CLI Keyword	secure-telnet
Full Name	telnet protocol over TLS
Description	Secure Telnet is a cross-platform interactive text-based protocol used to connect remote clients over a the Transport Layer Security (TLS) protocol. Telnet participants can decide whether or not to attempt TLS negotiation, and how the two participants should process authentication credentials exchanged as a part of TLS startup.
Reference	http://tools.ietf.org/id/draft-ietf-tn3270e-telnet-tls-06.txt
Global ID	L4:992
ID	43
Known Mappings	
UDP Port	992
TCP Port	992
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SIP

Name/CLI Keyword	sip
Full Name	Session Initiation Protocol
Description	Session Initiation Protocol is a text-based control protocol used for VoIP communications, Instant Messagin, presence information, file transfer and online games. It can be used for creating, modifying and terminating VoIP sessions through signaling.
Reference	http://www.ietf.org/rfc/rfc3261.txt
Global ID	L4:5060
ID	65
Known Mappings	
UDP Port	5060
TCP Port	5060
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SKINNY

Name/CLI Keyword	skinny
Full Name	Skinny Call Control Protocol
Description	Skinny client control protocol is a network control protocol over Ciscos Ethernet telephones. Skinny client uses TCP/IP connection for calls and RTP for audio transfer between Skinny clients or H.323 terminals.
Reference	http://www.cisco.com/en/US/tech/tk652/tk701/tk589/tsd_technology_support_sub-protocol_home.html
Global ID	L7:63
ID	63
Known Mappings	
UDP Port	-
TCP Port	2000,2001,2002
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SKYPE

Name/CLI Keyword	skype
Full Name	Skype
Description	Skype software uses a proprietary Internet telephony (VoIP) network called the Skype protocol. Part of the Skype technology relies on the Global Index peer-to-peer protocol belonging to the Joltid Ltd. corporation. Skype is software that contains several features such as telephone calls over the Internet, instant messaging, file transfer and video conferencing.
Reference	www.skype.com
Global ID	L7:83
ID	83
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SMTP

Name/CLI Keyword	smtp
Full Name	Simple Mail Transfer Protocol
Description	Simple Mail Transfer Protocol is used for sending email messages between servers. Most e-mail systems that send mail over the internet use SMTP to send messages from one server to another; the messages can then be retrieved with an email client using either POP or IMAP protocols. In addition, SMTP is also used to send messages from a mail client to a mail server
Reference	http://james.apache.org/server/rfclist/smtp/rfc0821.txt
Global ID	L4:25
ID	71
Known Mappings	
UDP Port	-
TCP Port	25,587
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SNMP

Name/CLI Keyword	snmp
Full Name	Simple Network Management Protocol
Description	Simple Network Management Protocol (SNMP) us a protocol used for a TCP/IP network management.It collects data about the nework enteties and distributes them among them. Typically the protocol uses TCP/UDP ports 161-162.
Reference	http://www.ietf.org/rfc/rfc1157.txt
Global ID	L4:161
ID	38
Known Mappings	
UDP Port	161,162
TCP Port	161,162
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SOCKS

Name/CLI Keyword	socks
Full Name	SOCKS
Description	SOCKS is an Internet protocol that facilitates the routing of network packets between client server applications via a proxy server.
Reference	http://www.ietf.org/rfc/rfc1928.txt
Global ID	L4:1080
ID	39
Known Mappings	
UDP Port	1080
TCP Port	1080
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SQLNET

Name/CLI Keyword	sqlnet
Full Name	SQLNet
Description	Oracle SQL*NET is a client-server middleware used to transfer information between data bases and between data base to clients.
Reference	http://www.orafaq.com/wiki/SQL*Net
Global ID	L4:1700
ID	51
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SQLSERVER

Name/CLI Keyword	sqlserver
Full Name	Microsoft SQL Server
Description	Microsoft SQL Server is a relational database server, developed by Microsoft. It is a software product whose primary function is to store and retrieve data as requested by other software applications, be it those on the same computer or those running on another computer across a network.
Reference	http://technet.microsoft.com/en-us/sqlserver/default
Global ID	L4:1433
ID	25
Known Mappings	
UDP Port	1433
TCP Port	1433
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SSH

Name/CLI Keyword	ssh
Full Name	Secure Shell
Description	Secure Shell Protocol (SSH) is a protocol used to secure login and other secure network services over an unsecure network. The protocol based on a client-server architecture has three steps for the connection: First the server has to be authenticated to the client over a reliable transport connection (usually TCP/IP), then the client side is authenticated-only then the connection is established and the client-server encrypted connection can transfer data between them. Typically the protocol uses TCP port 22.
Reference	http://www.ietf.org/rfc/rfc4251.txt
Global ID	L4:22
ID	40
Known Mappings	
UDP Port	-
TCP Port	22
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

STREAMWORK

Name/CLI Keyword	streamwork
Full Name	StreamWork
Description	Stream Work developed by Xing Technology is a network delivery of live and on-demand of video and audio data. NBC is using it for broadcasting financial news, popular in the U.S and Europe. The protocol is based on a client server architecture and uses connectionless protocol UDP.
Reference	http://www.sapstreamwork.com/how-it-works
Global ID	L7:427
ID	55
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SUNRPC

Name/CLI Keyword	sunrpc
Full Name	Sun Remote Procedure Call
Description	Sun Microsystems Remote Procedure Call is a client-server protocol that allows users to call procedures remotely- meaning the procedure is actually done at the server and not at the local users. The server holds a port mapper that listens to queries usually on port 111.
Reference	http://www.ietf.org/rfc/rfc1057.txt
Global ID	L4:111
ID	54
Known Mappings	
UDP Port	111
TCP Port	111
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

SYSLOG

Name/CLI Keyword	syslog
Full Name	Syslog
Description	System Logging Utility (syslog) is a protocol used to transfer event notifications. The protocol was first developed by the University of California: Berkeley Software Distribution (BSD)
Reference	http://tools.ietf.org/html/rfc5424
Global ID	L7:41
ID	41
Known Mappings	
UDP Port	514
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
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	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

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
Known Mappings	
UDP Port	69
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

VDOLIVE

Name/CLI Keyword	vdolive
Full Name	VDOLive
Description	VDOLive is a real time video-audio streaming and broadcasting player, used in many different applications. The player is available both as Netscape plug-in and as Internet Explorer ActiveX control.
Reference	http://www.5star-shareware.com/Windows/Music/MultimediaPlayers/vdolive-player.html
Global ID	L7:425
ID	50
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	No
IPv6 Support	No
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-

WINMX

Name/CLI Keyword	winmx
Full Name	WinMX
Description	WinMX is a freeware peer-to-peer file sharing client developed by Frontcode Technologies in 2001. It runs on Windows OS.
Reference	http://compnetworking.about.com/od/winmx/f/winmxstatus.htm
Global ID	L7:68
ID	68
Known Mappings	
UDP Port	-
TCP Port	-
IP Protocol	-
IP Version	
IPv4 Support	Yes
IPv6 Support	Yes
Application Group	-
Category	-
Sub Category	-
P2P Technology	No
Encrypted	No
Tunnel	No
Underlying Protocols	-