

# Supported Protocols and Applications

## Layer-7 & Behavioral Protocol Signatures

The DPX application classification engine is able to identify the protocol of network traffic based on a combination of deep packet inspection (DPI) and behavioral analysis – not matter if they are plain text or using advanced encryption and obfuscation techniques.

The following list includes all supported protocols (in bold) and the most important applications using these protocols. The most up-to-date version of this protocol list and more information about Group 2000 products are available on our Web site <http://www.group2000.eu>

## Regular Signature Updates

Regular firmware updates available at least every two months ensure the continuing effectiveness of the protocol signatures. Every customer with a valid support contract gets an account on the Group 2000 support portal.

availability of a new firmware, Group 2000 sends e-mail notifications to all customers who can then download and install the update.

## Custom Protocol Definition

Custom protocol definitions allow the administrator to specify protocol patterns based on the following criteria:

- Layer-4 protocol (i.e. TCP, UDP)
- Layer-4 ports (lists and ranges of source and destination ports)
- Layer-7 protocol
- HTTP host list or URL list for HTTP-based layer-7 protocols
- Traffic direction (i.e. inbound, outbound)

These custom protocols can then be used in rule definitions just as normal layer-7 protocols. For example, this makes it possible to individually manage video streams of different Web platforms such as YouTube.

## Supported Protocols and Applications

### Peer-to-Peer (P2P)

#### AppleJuice

#### Ares

Ares

KCEasy

#### BitTorrent (encrypted and unencrypted)

ABC

Acquisition

Anatomic P2P

Arctic Torrent

Azureus / Vuze

BitComet

BitFlu

BitLord

BitPump

Bits on Wheels

BitSpirit

BitTornado

BitTorrent / Mainline

BitTyrant

Blizzard Downloader

Blog Torrent - BTG

BitManager

BTSharp

burst!

CTorrent

Deluge

FlashGet

freeloader

G3 Torrent

Gnome BitTorrent

Halite

KTorrent

LimeWire

Localhost

MLDonkey

MonoTorrent

MooPolice

Opera

Qbittorrent

QTorrent

rTorrent

Rufus

Shareaza

sharktorrent

SymTorrent

Tomato Torrent

TorrentFlux

TorrentSpy

Torrent Swapper

TorrentValve

Transmission

Turbo Torrent

µTorrent

WizBit

XTorrent

ZipTorrent

#### DirectConnect

ApexDc++

BCDC++

CZDC

DC#

DC++

dc\_gui

dctc

Dolda Connect

Elise

fulDC

GtkDC

ldcc

LinuxDC++

microdc

microdc2

oDC

Revconnect

SababaDC

ShakesPeer

StrongDC++

Valknut

#### eDonkey

aMule

eDonkey2000

eMule and its Mods

obfuscated eMule ext.

eMule Plus

Hydranode

Jobster

Lphant

MLDonkey

Morpheus

Shareaza

xMule

#### Filetopia

#### Freenet

#### Gnutella

Acquisition

Acqlite

Apollon

Cabos

CocoGnut

DM2

FrostWire

giFT

Gnucleus

Gtk-gnutella

Gluz

KCEasy

Kiwi Alpha

LimeWire

MLDonkey

Morpheus

Mutella

Phex

Poisoned

Qtella

Shareaza

Swapper.NET

Symella

XFactor

XNap

XoloX

#### iMesh

BearFlix

BearShare

iMesh

#### KaZaa / Fasttrack

Apollon

Grokster

Kazaa

Kazaa Lite

KCEasy

MLDonkey

#### Manolito

Blubster

Manolito

Piolet

#### Mute

#### OpenFT

#### OFF

#### Pando

#### SoulSeek

SoulSeek

pySoulSeek

#### Thunder / Webthunder

#### WinMX

#### Winy

#### XDCC

XDCC Catcher

XDCC Fetcher

XDCC Klipper

## Instant Messaging (IM)

<b>Gadu-Gadu</b> <b>IRC</b> <b>PoPo</b> <b>QQ</b>	<b>Jabber/Google Talk</b> Gaim Google Talk Kopete Miranda Trillian / Trillian Pro	<b>MSN</b> Gaim Kopete Miranda original MSN client Trillian / Trillian Pro	<b>Oscar</b> AIM Gaim ICQ Kopete Miranda Trillian / Trillian Pro	<b>Paltalk</b> <b>Yahoo</b> Gaim original Yahoo client Kopete Miranda Trillian / Trillian Pro
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## Voice over IP (VoIP)/ Skype

<b>H.323</b> Ekiga NetMeeting OpenH.323 XMeeting <b>IAX</b> Diax Firefly IAXComm IAXPhone Idefisk Kiax LoudHush PURtel YakaPhone ZiaxPhone <b>MGCP</b> <b>SIP</b> Ekiga Gizmo	OpenWengo SipGate Twinkle Vonage XMeeting <b>Skinny</b> <b>Skype</b> Skype v2.0.0.43 Skype v2.0.0.63 Skype v2.0.0.69 Skype v2.0.0.73 Skype v2.0.0.76 Skype v2.0.0.79 Skype v2.0.0.81 Skype v2.0.0.90 Skype v2.0.0.97 Skype v2.0.0.103 Skype v2.0.0.105 Skype v2.0.0.107 Skype v2.5.0.72	Skype v2.5.0.82 Skype v2.5.0.91 Skype v2.5.0.113 Skype v2.5.0.122 Skype v2.5.0.126 Skype v2.5.0.130 Skype v2.5.0.137 Skype v2.5.0.141 Skype v2.5.0.146 Skype v2.5.0.151 Skype v2.5.0.154 Skype v2.6.0.67 Skype v2.6.0.74 Skype v2.6.0.81 Skype v2.6.0.97 Skype v2.6.0.103 Skype v2.6.0.105 Skype v3.0.0.106 Skype v3.0.0.123 Skype v3.0.0.137	Skype v3.0.0.154 Skype v3.0.0.190 Skype v3.0.0.198 Skype v3.0.0.205 Skype v3.0.0.209 Skype v3.0.0.214 Skype v3.0.0.216 Skype v3.0.0.217 Skype v3.0.0.218 Skype v3.1.0.112 Skype v3.1.0.144 Skype v3.1.0.150 Skype v3.1.0.152 Skype v3.2.0.53 Skype v3.2.0.63 Skype v3.2.0.82 Skype v3.2.0.115 Skype v3.2.0.145 Skype v3.2.0.148 Skype v3.2.0.152	Skype v3.2.0.158 Skype v3.2.0.163 Skype v3.2.0.175 Skype v3.5.0.107 Skype v3.5.0.158 Skype v3.5.0.178 Skype v3.5.0.202 Skype v3.5.0.214 Skype v3.5.0.229 Skype v3.5.0.234 Skype v3.5.0.239 Skype v3.6.0.115 Skype v3.6.0.127 Skype v3.6.0.159 Skype v3.6.0.248 Skype v3.8.0.96 Skype v3.8.0.188 Skype Beta v4.0.0.176 Skype Beta v4.0.0.226 Skype v4.1.0.136
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## Standard Protocols

<b>Citrix</b> <b>BGP</b> <b>DHCP</b> <b>DNS</b> <b>EGP</b> <b>FTP</b> <b>HTTP</b> <b>ICMP</b> <b>IGMP</b> <b>IMAP</b> <b>MySQL</b> <b>NFS</b> <b>NTP</b> <b>OSPF</b> <b>pcAnywhere</b> <b>POP3</b> <b>PostgreSQL</b>	<b>RDP</b> <b>SMB/CIFS</b> <b>SMTP</b> <b>SNMP</b> <b>SSDP</b> <b>STUN</b> <b>Telnet</b> <b>Usenet</b> <b>VNC</b> <b>Direct Download Link (DDL)</b> 4shared.com badongo.com badongo.net bestsharing.com bigfilez.com chinamofile.com depositfiles.com	easy-share.com filearchiv.ru filecloud.com filefactory.com filefront.com fileho.com filehost.tv filesafe.to filesend.net files.to files-upload.com file-upload.net file-upload.to fileupyours.com ftp2share.com gigasize.com gigeshare.com ifolder.ru	keepmyfile.com livedepot.net live-share.com mediafire.com megashare.com megashares.com megaupload.com mofile.com mofile.net mytempdir.com quicksharing.com rapidshare.com rapidshare.de rapidupload.com savefile.com sendmefile.com sendspace.com sharebee.com	sharebig.com sharebigfile.com sharebigfile.com simpleupload.net speedshare.org turboupload.com ultrashare.de up-file.com uploaded.to uploading.com uploadingit.com uploadpower.com uploadyourfiles.de wiiupload.net yourfilehost.com yourfiles.biz zshare.net
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## Streaming Protocols

<b>AVI</b> <b>Feidian</b> <b>Flash*</b> clipfish.de myspace.com myvideo.de youporn.com youtube.com etc.	<b>Icecast</b> <b>Kontiki</b> <b>MMS</b> <b>Move</b> <b>MPEG</b> <b>OGG</b> <b>ORB</b> <b>PPLive</b> <b>PPStream</b>	<b>QQ</b> <b>QuickTime</b> <b>Real Media Stream</b> <b>RTP</b> <b>RTSP</b> <b>SCTP</b> <b>SHOUTcast</b> <b>Slingbox</b> <b>SopCast</b>	<b>TVAnts</b> <b>TVUPlayer</b> <b>UUSee</b> <b>V CAST</b> <b>VeohTV</b> <b>Windows Media Stream</b> <b>Zattoo</b>
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\* Website-embedded flash content

## Tunnel Protocols

<b>SSL</b> HTTPS IMAPS POP3S	<b>SMTPS</b> Stunnel <b>GRE</b> <b>HamachiVPN</b>	<b>IPsec</b> <b>L2TP</b> <b>OpenVPN</b> <b>SoftEthernet</b>	<b>SSH</b> <b>Tor</b> <b>VPN-X</b> <b>VTun</b>
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## Gaming Protocols

<b>Battlefield</b> <b>Half-Life 2 and Mods</b>	<b>Quake</b> <b>Second Life</b>	<b>Steam</b> <b>World of Warcraft</b>	<b>Xbox</b>
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