

Supported Protocols and Applications

Layer-7 & Behavioral Protocol Signatures

ipoque's 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 ipoque's products are available on our Web site <http://www.ipoque.com>.

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 ipoque's support portal at <http://portal.ipoque.com>. Upon availability of a new firmware, ipoque or the sales partner send e-mail notifications to all customers who can then download and install the update.

New: Custom Protocol Definition

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

- Layer-4 protocol (e.g. TCP, UDP, IP in IP)
- Layer-4 ports (lists and ranges of source and destination ports)
- Layer-7 protocol
- SIP domain suffix
- HTTP host for HTTP-based layer-7 protocols
- Link number for multi-link system
- 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

MuTorrent

MonoTorrent

MooPolice

Opera

Qbittorrent

QTorrent

rTorrent

Rufus

Shareaza

sharktorrent

SymTorrent

Tomato Torrent

TorrentFlux

TorrentSpy

Torrent Swapper

TorrentVolve

Transmission

Turbo Torrent

µTorrent

WizBit

XTorrent

ZipTorrent

DirectConnect

ApexDc++

BCDC++

CZDC

DC#

DC++

dc_gui

dctc

Dolda Connect

Elise

fulDC

GitkDC

ldcc

LinuxDC++

microdc

microdc2

oDC

Revconnect

SababaDC

ShakesPeer

StrongDC++

Valknut

eDonkey

aMule

eDonkey2000

eMule and its Mods

obfuscated eMule ext.

eMule Plus

Hydranode

Jubster

Lphant

MLDonkey

Morpheus

Shareaza

xMule

Filetopia

Freenet

Gnutella

Acquisition

AqLite

Apollon

Cabos

CocoGnut

DM2

FrostWire

giFT

Gnucleus

Gitk-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)

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

H.323 Ekiga NetMeeting OpenH.323 XMeeting IAX Diax Firefly IAXComm IAXPhone Idefisk Kiax LoudHush PURtel YakaPhone ZiaxPhone MGCP	SIP Ekiga Gizmo OpenWengo SipGate Twinkle Vonage XMeeting Skinny Skype 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
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Standard Protocols

Citrix BGP DHCP DNS EGP FTP HTTP ICMP IGMP IMAP MySQL NFS NTP OSPf pcAnywhere POP3 PostgreSQL	RDP SMB/CIFS SMTP SNMP SSDP Telnet Usenet VNC Direct Download Link (DDL) 4shared.com badongo.com badongo.net bestsharing.com bigfilez.com chinamofile.com depositfiles.com easyshare.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 gigaszize.com gigashare.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 gigasize.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

AVI Feidian Flash* clipfish.de myspace.com myvideo.de youporn.com youtube.com etc.	Icecast Joost up to version 1.1.8 Kontiki MMS Move MPEG OGG ORB	PPLive PPStream QQLiveMedia QQLivePlayer QuickTime Real Media Stream RTP RTSP SCTP	SHOUTcast Slingbox SopCast TVAnts TVUPlayer UUSee V CAST VeohTV Windows Media Stream	Zattoo
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* Website-embedded flash content

Tunnel Protocols

SSL HTTPS IMAPS POP3S	SMTPS Stunnel GRE HamachiVPN	IPsec OpenVPN SoftEthernet SSH	Tor VPN VPN-X VTun
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Gaming Protocols

Battlefield Half-Life 2 and Mods	Lively Quake	QQ Game Second Life Steam	World of Warcraft Xbox
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