

# SUPPORTED PROTOCOLS AND APPLICATIONS

## LAYER-7 & BEHAVIORAL PROTOCOL SIGNATURES

ipoque's protocol and application classification engine (PACE) is able to identify the protocol of network traffic based on a combination of deep packet inspection (DPI) and behavioral analysis – no matter if they are plain text or use advanced encryption and obfuscation techniques.

The following list includes all supported protocols and applications (in bold), sub-protocols and clients (in normal letters). The current version of this protocol list and more information about ipoque's products are available on our website [www.ipoque.com](http://www.ipoque.com).

## REGULAR SIGNATURE UPDATES

Regular PACE updates are available at least once a month to ensure the continuing effectiveness of the protocol signatures. Please note that firmware updates for PRX Traffic Manager and DPX Network Probe have different release schedules.

## CUSTOM PROTOCOL DEFINITIONS 2.0

Customers can add their own signatures using C Code.

## Supported Protocols and Applications

### PEER TO PEER (P2P)

<b>Aimini</b>	G3 Torrent	DirectConnect-adc-peer	eMule Plus	iMesh
<b>ANtsP2P</b>	Gnome BitTorrent	ApexDc++	obfuscated eMule	BearShare
<b>AppleJuice</b>	Halite	BCDC++	xMule	Lphant
<b>Ares</b>	KTorrent	CZDC	<b>Filetopia</b>	Shareaza
Filepipe	LimeWire	DC#	<b>Freenet</b>	iMesh Lite
KCEasy	MLDonkey	DC++	<b>Gnutella</b>	<b>KaZaa/Fasttrack</b>
<b>BitTorrent</b>	MonoTorrent	DCTC	Acqlite	Apollon
BitTorrent-plain	MooPolice	Dolda Connect	Acquisition	Filepipe
BitTorrent-encrypted	Opera	Elise	Apollon	Kazaa
ABC	Pando	GtkDC	BearFlix	Kazaa Lite
Acquisition	QTorrent	LDCC	Cabos	Mammoth
Anatomic P2P	Rufus	LinuxDC++	CocoGnut	iMesh Light
Arctic Torrent	Shareaza	Microdc	DM2	<b>Manolito</b>
Ares	Sharktorrent	Microdc2	Filepipe	Blubster
Azureus / Vuze	SoMud	Revconnect	FrostWire	Piolet
BTG	SymTorrent	SababaDC	Gluz	<b>Mojo</b>
BTSharp	Tomato Torrent	ShakesPeer	Gnucleus	<b>Mute</b>
BitComet	Torrent Station	StrongDC++	Gtk-gnutella	<b>OFF</b>
BitLord	Torrent Swapper	Valknut	KCEasy	OpenFT
BitPump	TorrentFlux	fulDC	Kiwi Alpha	Filepipe
BitRocket	TorrentSpy	oDC	LimeWire	<b>Pando</b>
BitSpirit	TorrentVolve	eDonkey	Morpheus	<b>Soulseek</b>
BitSticks	Transmission	eDonkey-plain	Mutella	Nicotine Plus
BitTornado	Turbo Torrent	eDonkey-encrypted	Phex	SolarSeek
BitTorrent / Mainline	WizBit	Hydranode	Poisoned	SoulSeeX
BitTyrant	Xtorrent	Jubster	Qtella	iSoul
Bitflu	ZipTorrent	Lphant	Shareaza	pySoulSeek
Bits on Wheels	burst!	MLDonkey	Swapper.NET	<b>StealthNet</b>
Blizzard Downloader	qBittorrent	Morpheus	Symella	<b>Thunder/Webthunder</b>
BtManager	rTorrent	Shareaza	WinMX MP3	Thunder
CTorrent	µTorrent	WinMX MP3	XFactor	<b>WinMX</b>
Deluge	µTorrent Mac	XoloX	XNap	XNap
FlashGet	<b>DirectConnect</b>	aMule	XoloX	<b>WINNY</b>
Freeloader	DirectConnect-hub	<b>eDonkey2000</b>	giFT	
FrostWire	DirectConnect-peer	eMule	iMesh Light	

## VOICE OVER IP (VOIP)

<b>Facetime</b>	IAXPhone	SIP-yahoo	QuteCom	<b>TeamSpeak</b>
<b>FiCall</b>	Idefisk/Zoiper	SIP-vonage	SipGate	Teamspeak Linux
FiCall iOS	Kiax	SIP-oscar	Twinkle	Teamspeak Mac
<b>Fring</b>	LoudHush	SIP-gadu-gadu	Vonage	Teamspeak iOS
Fring-voice	PURtel	SIP-oscar-video	XMeeting	<b>Truphone</b>
Fring Android	YakaPhone	SIP-yahoo-video	gooberVoIP	Truphone Android
Fring Symbian	ZiaXPhone	SIP-ichat-facetime	<b>Skype</b>	Truphone Mac
Fring iOS	<b>Iskoot</b>	SIP-MagicJack	Skype-voice	Truphone iOS
<b>Generic Voice</b>	<b>MagicJack</b>	SIP-audio	Skype-out	Truphone iPad
<b>Goober</b>	<b>MGCP</b>	SIP-video	Skype-video	<b>Tunnelvoice</b>
<b>H323</b>	MGCP-control	ClearSea	Skype Android	<b>Ventrilo</b>
Ekiga	MGCP-rtp	Ekiga	Skype Linux	<b>Viber</b>
NetMeeting	<b>MyPeople</b>	ExpressTalk	Skype Symbian	Viber-audio
OpenH.323	MyPeople-audio	Facetime	Skype for iPad	Viber-Instant Messaging (IM)
XMeeting	<b>Scydo</b>	Facetime iOS	Skype iOS	Viber Android
<b>IAX</b>	Scydo Android	Gizmo	<b>STUN</b>	Viber iOS
DiAx	Scydo iOS	KPhone	<b>Tango</b>	<b>VoipSwitch</b>
Firefly	<b>SIP</b>	MagicJack/MagicTalk	Tango Android	Calltonet
IAXComm	SIP-msn	OpenWengo	Tango iOS	

## STREAMING

<b>AVI</b>	<b>MPEG</b>	ORB-client-flash	<b>QQLive</b>	<b>Spotify</b>
<b>Feidian</b>	Jupster	ORB-client-flv	QQLive Android	Spotify Android
<b>FLASH</b>	Screamer Radio	ORB-client-3gp	QQLive iOS	Spotify Mac
<b>Funshion</b>	VLC	ORB-client-upload-download	QQLive iPad	Spotify iOS
<b>VeohTV</b>	Winamp	ORB-client-rtp	<b>QUICKTIME</b>	<b>TVANTS</b>
VeohTV-generic	<b>NetFlix</b>	<b>Pandora</b>	iTunes	<b>TVUPLAYER</b>
VeohTV-flash	Netflix iOS	<b>PPLIVE</b>	<b>RealDataTransport</b>	TVUPlayer Android
VeohTV Web Player	<b>Octoshape</b>	PPTV	<b>REALMEDIA</b>	TVUPlayer Mac
<b>Icecast</b>	CNN streaming	PPTV Android	RealMediaPlayer	TVUPlayer iOS
<b>iPlayer</b>	<b>OGG</b>	PPTV HD iOS	<b>RTCP</b>	<b>UUSEE</b>
<b>IPTV</b>	<b>ORB</b>	PPTV Mac	<b>RTP</b>	<b>Vcast</b>
T-Home/TV2	ORB-server	PPTV iOS	<b>RTSP</b>	<b>WINDOWS MEDIA</b>
<b>iTunes</b>	ORB-client	<b>PPSTREAM</b>	<b>Shoutcast</b>	<b>ZATTOO</b>
<b>Kontiki</b>	ORB-client-rtsp	PPStream Android	Fishradio	Zattoo HD iOS
<b>MMS</b>	ORB-client-rdt	PPStream Mac	iTunes	Zattoo iOS
Windows Media Player	ORB-client-wmv	PPStream Ubuntu	<b>Slingbox</b>	
<b>Move</b>	ORB-client-wma	PPStream iOS	<b>SOPCAST</b>	

## INSTANT MESSAGING (IM)

<b>eBuddy</b>	Web.de Multimessenger	Aytm	Adium	ICQ
eBuddy BrowserApplet	iChat	GMX Multimessenger	Aytm	ICQ Android
eBuddy iOS	<b>iMessage</b>	Instantbird	Fire	ICQ Mac OS X
<b>Gadu-Gadu</b>	<b>IMO</b>	Kopete	GMX Multimessenger	ICQ iOS
Gadu-Gadu-server	IMO Android	Miranda	Instantbird	ICQ mobile for Java
Gadu-Gadu-file-transfer	IMO Blackberry	Pidgin	Kopete	Instantbird
Gadu-Gadu-voice	IMO Browser Applet	Pidgin (previously Gaim)	Mercury	Kopete
Gadu-Gadu-video	IMO for iPad	Proteus	Microsoft Messenger Mac	Miranda
Adium	IMO iOS	Psi	Miranda	Pidgin
Gadu-Gadu Android	<b>IMplus</b>	Qnext	Pidgin	Proteus
Gadu-Gadu iOS	IM+ Android	Trillian/Trillian Pro	Qnext	Qnext
Instantbird	IM+ Blackberry	Web.de Multimessenger	Trillian/Trillian Pro	Trillian/Trillian Pro
Kopete	IM+ Symbian	iChat	Web.de Multimessenger	Web.de Multimessenger
Miranda	IM+ Windows Phone	<b>Nimbuzz</b>	Windows Live	iChat
Pidgin	IM+ for Java phones	Nimbuzz Android	Windows Live iOS	<b>Paltalk</b>
<b>Google Talk</b>	IM+ iOS	Nimbuzz Blackberry	aMSN	Paltalk-server
Google Talk-voice	<b>IRC</b>	Nimbuzz Mac	<b>MSRP</b>	Paltalk-file-transfer
Google Talk-file-transfer	IRC-file-transfer	Nimbuzz Symbian	<b>Oscar</b>	Paltalk-voice
Google Talk-video	Adium	Nimbuzz iOS	Oscar-file-transfer	Paltalk-video
Adium	Aytm	<b>MEEBO</b>	Oscar-picture-transfer	Paltalk Android
Aytm	Fire	MEEBO-audio	Oscar-voice	Paltalk iOS
GMX Multimessenger	Instantbird	MEEBO-video	Oscar-video	<b>POPO</b>
Instantbird	Mibbit Web IRC	Meebo Android	AIM	<b>QQ</b>
Kopete	Miranda	Meebo Blackberry	AIM Android	QQ-voice
Miranda	Pidgin	Meebo MiniBar	AIM for Mac	QQ-file-transfer
Pidgin	mIRC	Meebo Notifier	AIM for iPad	QQ-video
Pidgin (previously Gaim)	<b>Jabber</b>	Meebo iOS	AIM iOS	Instantbird
Proteus	Jabber-voice	<b>MSN</b>	Adium	QQ HD iOS
Psi	Jabber-file-transfer	MSN-voice	Aytm	QQ International
Qnext	Jabber-video	MSN-file-transfer	Fire	QQ for Mac
Trillian/Trillian Pro	Adium	MSN-video	GMX Multimessenger	QQ for Pad Android

QQ iOS <b>Usenet</b> UseNeXT iLoad <b>WhatsApp</b> WhatsApp Android WhatsApp Symbian	WhatsApp iOS <b>XDCC</b> XDCC Catcher XDCC Fetcher XDCC Klipper mIRC <b>Yahoo</b>	Yahoo-voice Yahoo-file-transfer Yahoo-video Yahoo-webchat Adium Ayttn GMX Multimessenger	Instantbird Kopete Miranda Pidgin Qnext Trillian/Trillian Pro Web.de Multimessenger	Yahoo Messenger Yahoo Messenger Android Yahoo Messenger for Mac Yahoo Messenger iOS <b>Yuilop</b>
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**MOBILE**

<b>Blackberry</b> Blackberry-encrypted Blackberry-email Blackberry-messenger	BlackBerry Internet Service BlackBerry Management Center BlackBerry Messenger <b>BOLT</b>	Bolt Android <b>MultimediaMessaging</b> <b>OperaMini</b> Opera Mini Android	Opera Mini Blackberry Opera Mini Symbian Opera Mini iOS <b>WAP-WSP</b>	<b>WAP-WTLS</b> <b>WAP-WTP-WSP</b>
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**TUNNEL**

<b>ComodoUnite</b> Comodo EasyVPN <b>GRE</b> <b>GTP</b> GTP-control GTP-user-data <b>HamachiVPN</b> LogMeIn Hamachi	<b>IP in IP</b> <b>IPSEC</b> IPSEC-data IPSEC-control Cisco VPN Client HotSpot Shield iOS <b>ISAKMP</b> <b>JAP</b>	JAP/JonDo <b>L2TP</b> OpenL2TP <b>NetMotion</b> <b>OpenVPN</b> Hotspot Shield MyFreedom <b>PPP</b>	<b>PPTP</b> <b>SoftEthernet</b> <b>SSL</b> HTTPS IMAPS POP3S SMTPS Stunnel	<b>SSTP</b> <b>Teredo</b> <b>TOR</b> Tor Vidalia Bundle <b>UltraSurf</b> <b>VPN-X</b> <b>VTUN</b> <b>YourFreedom</b>
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Note: **SOCKS** v4/v5 is handled for all protocols.

**FILE TRANSFER**

<b>AFP</b> <b>DirectDownloadLink</b> 4shared.com adrive.com badongo.com badongo.net bestsharing.com bigfilez.com chinamofile.com data.hu depositfiles.com easy-share.com fast-load.net fast-share.com file-upload.net file-upload.to filearchiv.ru filebase.to filecloud.com filefactory.com filefront.com fileho.com filehost.tv filepost.ru filer.net files-upload.com files.to filesafe.to filesend.net fileupyours.com ftp2share.com gigasize.com gigeshare.com hostggg.com hotfile.com ifolder.ru keepmyfile.com leteckaposta.cz live-share.com livedepot.net load.to massmirror.com mediafire.com megarotic.com megashare.com	megashares.com megaupload.com mofile.com mofile.net mytempdir.com netload.in odsiebie.najlepsze.net quicksharing.com rapidshare.com rapidshare.de rapidupload.com savefile.com sendmefile.com sendspace.com sharebase.to 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 uploaddpower.com uploadyourfiles.de vip-file.com wiiupload.net yourfilehost.com yourfiles.biz youtube.com zshare.net 4shared.vn mega.1280.com megashare.vn fileserve.com filesonic.com 1-upload.to 1fichier.com 4fastfile.com 10upload.com 1clickshare.net	filedude.com asixfiles.com banashare.com biggerupload.com bitshare.com cash-file.net cramit.in czshare.com data-loading.com dataport.cz datei.to downupload.com easybytez.com edisk.cz enterupload.com euroshare.eu extabit.com fastfileshare.com.ar fik1.com file2upload.net fileape.com fileflyer.com filefrog.com filehook.com fileover.net filepost.com files.mail.ru fileshare.in.ua filesmonster.com filevo.com filezup.com freakshare.net fshare.vn gaiafile.com gigapeta.com gotoupload.com hellshare.com hitfile.net hulkshare.com hyperfileshare.com i-filez.com ifile.it kewlshare.com letitbit.net loadfiles.in	megafree.kz megarapid.eu megashare.vnn.vn midupload.com multishare.cz netuploaded.com oron.com przeklej.pl putshare.com qshare.com quickshare.cz rapidshark.pl scribd.com share-online.bz share-rapid.cz shrangle.com storage.to terafiles.net tunabox.net turbobit.net ugotfile.com uloz.to uninibytes.com unlimit.co.il up.4share.vn upload.com.ua uploadbox.com uploader.pl uploadfloor.com uploadstation.com upnito.sk usershare.net videobb.com wupload.com x7.to yunfile.to zomgupload.to ziddu.com 1-upload.com 1-clickshare.com 123upload.pl 139pan.com 163pan.com 2shared.com 4share.ws	4us.to alldrives.ge allshares.ge annonhost.net boosterking.com cobrashare.sk coolshare.cz crocko.com cum.com eyvx.com filearn.com filejungle.com filemaze.ws filesflash.com freespace.by fsx.hu jakfile.com jumbofiles.com kickload.com missupload.com movreel.com platinsare.com sanupload.com shareflare.net u.115.com uploadc.com uploading.com uptobox.com filestube.com gamefront.com megaporn.com <b>FTP</b> FTP-control FTP-data <b>NFS</b> <b>SMB/CIFS</b> <b>TFTP</b> <b>WebDAV</b> Cadaver Goliath
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**GAMING**

Armagedron  
Battlefield  
ClubPenguin  
CrossFire  
Dofus  
Fiesta

Florensia  
GameKit  
Guildwars  
HalfLife2  
QQ Game  
MapleStory

PS3  
Quake  
Call of Duty  
Quake Live  
rFactor  
Second Life

SplashFighter  
Splash Fighters  
Steam  
Steam v008  
WARCRAFT3  
WII

World of Kung Fu  
World of Warcraft  
XBOX

**NETWORK MANAGEMENT**

BGP  
DHCP  
DHCPv6  
DNS  
EGP

ICMP  
ICMPv6  
IGMP  
IPP  
Kerberos

LDAP  
LDP  
MulticastDNS  
NETBIOS  
NTP

OSPF  
RADIUS  
SCTP  
SNMP  
SSDP

Syslog

**MAIL**

Gmail  
IMAP  
Mapi

POP  
SMTP

**WEB**

Dropbox  
Facebook  
Googledocs  
HTTP

iCloud  
MySpace  
twitter  
Ubuntuone

WebSocket  
Wuala

**REMOTE CONTROLLING**

GotoMyPc  
PCAnywhere  
RDP  
Skinny  
SSH  
TeamViewer  
TeamViewer Android  
TeamViewer HD for iPad  
TeamViewer Linux

TeamViewer Mac  
TeamViewer for Meetings iOS  
TeamViewer for Meetings iPad  
TeamViewer for iPad  
TeamViewer iOS  
Telnet  
VNC  
XDMCP

**BUSINESS**

AdobeConnect  
Citrix  
Activesync

JBK3000  
Lync  
Microsoft Lync

SAP  
UltraBac

**CONFERENCE**

CitrixGoTo  
GoToMeeting BrowserApplet  
GoToMyPC BrowserApplet  
GoToMyPC iOS

GotoMeeting  
ooVoo  
ooVoo iOS  
Webex

WebEx Meeting Center Applet  
WebEx for iPad  
WebEx iOS

**DATABASE**

msSQL  
MySQL

PostgreSQL  
TDS