

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 (in bold), sub-protocols for some of them (in italic), and the most important applications using these protocols (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.

REGULAR SIGNATURE UPDATES

Regular PACE updates are available at least once a month to ensure the continuing effectiveness of the protocol signatures. Updates can be downloaded from ipoque's support portal at <http://portal.ipoque.com>. 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

Aimini	Azureus /Vuze 3.0.0.9.4b	Azureus /Vuze 4.3.1.4	Bitflu 1.21	BitTorrent / Mainline 6.1.2a
Aimini 1.9	Azureus /Vuze 3.0.1.6a	Azureus /Vuze 4.3.1.5	Bitflu 1.31	BitTorrent / Mainline 6.2
AppleJuice	Azureus /Vuze 3.0.3.0	Azureus /Vuze 4.4.0.0	BitLord 0.56	BitTorrent / Mainline 6.2a
AppleJuice 0.29.142.229	Azureus /Vuze 3.0.5.0	Azureus /Vuze 4.4.0.1	BitLord 1.01	BitTorrent / Mainline 6.2b
AppleJuice 0.30.146	Azureus /Vuze 3.0.5.2	Azureus /Vuze 4.4.0.2	BitLord 1.1	BitTorrent / Mainline 6.2c
AppleJuice 0.31.149.110	Azureus /Vuze 3.0.5.2a	Azureus /Vuze 4.4.0.4	BitLord 1.2 Beta	BitTorrent / Mainline 6.3
ANts P2P	Azureus /Vuze 3.0.5.2b	Azureus /Vuze 4.4.0.6	BitLord 1.2.0-64	BitTorrent / Mainline 6.3a
ANts P2P 1.6	Azureus /Vuze 3.1.0.0	Azureus /Vuze 4.5.0.4	BitLord 1.2.0-66	BitTorrent / Mainline 6.3b
Ares	Azureus /Vuze 3.1.1.0	Azureus /Vuze 4.5.1.0	BitLord 2.0 Beta	BitTorrent / Mainline 6.3c
Ares 1.9.2	Azureus /Vuze 4.0.0.2	Azureus /Vuze 4.6.0.2	BitPump	BitTorrent / Mainline 6.4
Ares 2.0.8	Azureus /Vuze 4.0.0.4	Azureus /Vuze 4.6.0.4	BitRocket 0.3.3	BitTorrent / Mainline 6.4a
Ares 2.0.9	Azureus /Vuze 4.1.0.0	Azureus /Vuze 4.7.0.0	Bits on Wheels 1.0.6	BitTorrent / Mainline 6.4b
Ares 2.1.1.3035	Azureus /Vuze 4.1.0.2	BitComet 0.61 - 0.91	BitSpirit 3.6.0.200	BitTorrent / Mainline 7.1
Ares 2.1.6.3040	Azureus /Vuze 4.1.0.4	BitComet 0.93	BitSpirit 3.6.0.300	BitTorrent / Mainline 7.2
Ares 2.1.7.3041	Azureus /Vuze 4.2.0.0	BitComet 0.96	BitSpirit 3.6.0.315	BitTorrent / Mainline 7.2.1
Ares 3.1.6	Azureus /Vuze 4.2.0.2	BitComet 0.99	BitSpirit 3.6.0.330	BitTorrent / Mainline 7.5
Filepipe 2.7	Azureus /Vuze 4.2.0.8	BitComet 1.0	BitSpirit 3.6.0.336	BitTorrent / Mainline 8.0 Beta
KCEasy 0.19	Azureus /Vuze 4.2.0.8a	BitComet 1.01 - 1.10	BitSpirit 3.6.0.362	BitTorrent / Mainline 8.0 Alpha
BitTorrent	Azureus /Vuze 4.2.0.9	BitComet 1.14	BitSpirit 3.6.0.401	(Build 25431)
BitTorrent-plain	Azureus /Vuze 4.3.0.0	BitComet 1.15	BitSpirit 3.6.0.403	BitTyrant 1.1.1
BitTorrent-encrypted	Azureus /Vuze 4.3.0.1	BitComet 1.16	BitSpirit 3.6.0.550	Blizzard Downloader
ABC 3.1	Azureus /Vuze 4.3.0.2	BitComet 1.17	BitSticks 1.0 b1	BTG 0.9.2
Acquisition 2.1	Azureus /Vuze 4.3.0.4	BitComet 1.18	BitTornado 0.3.17	BtManager 1.99.4
Anatomic P2P 0.1	Azureus /Vuze 4.3.0.4a	BitComet 1.19	BitTornado 0.3.18	BTSharp 3.1.0b
Ares 3.0.1	Azureus /Vuze 4.3.0.5	BitComet 1.20	BitTorrent / Mainline 4.26.0	burst! 3.1.0b
Arctic Torrent 1.2.3	Azureus /Vuze 4.3.0.6	BitComet 1.21	BitTorrent / Mainline	CTorrent 1.3.4
Azureus /Vuze 2.3.0.6	Azureus /Vuze 4.3.0.7	BitComet 1.22	5.0.0 - 5.0.9	Deluge 1.1.9
Azureus /Vuze 2.4.0.2	Azureus /Vuze 4.3.1.0	BitComet 1.25	BitTorrent / Mainline	Deluge 1.2.0
Azureus /Vuze 2.5.0.0	Azureus /Vuze 4.3.1.0a	BitComet 1.27	6.0.1 - 6.0.3	Deluge 1.2.0_rc1
Azureus /Vuze 2.5.0.2	Azureus /Vuze 4.3.1.1	BitComet 1.28	BitTorrent / Mainline 6.1.1	Deluge 1.2.0_rc2
Azureus /Vuze 3.0	Azureus /Vuze 4.3.1.2	Bitflu 0.91	BitTorrent / Mainline 6.1.2	Deluge 1.2.0_rc3

Deluge 1.2.0_rc4	Pando 2.5.1.4	BCDC++ 0.770ax	AcqLite 0.4.1	iMesh Light 5.0.2
Deluge 1.2.0_rc5	Pando 2.5.1.11	BCDC++ 0.781ax	AcqLite 0.4.2	Kazaa 3.2.7
Deluge 1.2.1	qBittorrent 1.5.1	BCDC++ 0.782a	Apollon 1.0.2.1	Kazaa Lite
Deluge 1.2.2	qBittorrent 2.4.2	CZDC 0.699b2	BearFlix 1.2	Mammoth 0.1.3
Deluge 1.2.3	qBittorrent 2.4.3	CZDC 0.699c	Cabos 0.8.1	Filepipe
Deluge 1.3.0_rc1	qBittorrent 2.8.1.1	CZDC 0.699d1	Cabos 0.8.2	Manolito
Deluge 1.3.1	qBittorrent 2.8.2	DC#	CocoGnut 1.2.1	Blubster 3.0.2
Deluge 1.3.2	qBittorrent 2.8.4	DC++ 0.691	DM2 1.2.3.1	Blubster 3.1.1
Deluge 1.3.3	QTorrent 0.9.5	DC++ 0.695	Filepipe	Manolito 1.18 - 1.19
FlashGet 1.9.6	rTorrent 0.8.5	DC++ 0.698	FrostWire 4.18.1	Manolito 3.0.7
FlashGet 3.2.0.1060 Beta	rTorrent 0.8.6	DC++ 0.699	FrostWire 4.20.9.0	Manolito 3.1.1
FlashGet 3.3.0.1092	Rufus 0.6.9	DC++ 0.705	FrostWire 4.21.3	Piolet 3.0.7
FlashGet 3.5.0.1126	Rufus 0.7 Beta	DC++ 0.709I	FrostWire 4.21.8	Piolet 3.1.1
FlashGet 3.7.0.1156	Shareaza 2.2.5.3	DC++ 0.750	FrostWire 5.0.7	Mute
Freeloader	Shareaza 2.3.1.0	DC++ 0.770	giFT 0.0.11	Mute 0.5.1
FrostWire 4.20.9.0	Shareaza 2.4.0.0	DC++ 0.781	Gnucleus 1.8.6.0	OpenFT
FrostWire 4.21.3	Shareaza 2.5	DC++ 0.782	Gnucleus 2.0.2.0	OpenFT 0.5.2
FrostWire 4.21.7	Shareaza 2.5.1	DCTC 0.85.9	Gtk-gnutella 0.96.6	Filepipe
FrostWire 4.21.8	Shareaza 2.5.2	Dolda Connect 1.3	Gluz	OFF
FrostWire 5.0.7	Shareaza 2.5.3	Elise 0.005	iMesh Light 5.0.2	OFF 0.17.00
FrostWire 5.0.8	Shareaza 2.5.4	fulDC 6.78	KCEasy 0.19	OFF 0.19.13
FrostWire 5.1.3	Shareaza 2.5.5	fulDC 6.79	KCEasy 0.19-rc1	OFF 0.19.34
FrostWire 5.1.4	Sharktorrent 0.1.8.4	GtkDC	Kiwi Alpha 3.1.4	Pando
G3 Torrent 1.01	Sharktorrent 0.2.0.4	LDCC	LimeWire 4.12.11	Pando 1.5.5.1
G3 Torrent 1.01a	SoMud 1.2.8	LinuxDC++ 1.0.2	LimeWire 4.12.15	Pando 1.6
Gnome BitTorrent 0.0.32	SymTorrent 1.41	LinuxDC++ 1.0.3	LimeWire 4.12.6	Pando 2.0.0.5
Halite 0.3.1	Tomato Torrent 1.5.1	Microdc	LimeWire 4.13.0 Beta	Pando 2.0.2.2
Halite 0.3.2	TorrentFlux 2.4	Microdc2 0.15.6	LimeWire 4.13.14	Pando 2.0.3.0
Halite 0.3.2.1	TorrentSpy	oDC 5.31	LimeWire 4.13.2 Beta	Pando 2.3.0.0
Halite 0.3.2.2	Torrent Swapper 1.0	Revconnect 0.674	LimeWire 4.14.10	Pando 2.3.0.2
Halite 0.3.3	Torrent Station 1.0.1	SababaDC 1.02	LimeWire 4.14.8	Pando 2.3.2.3
KTorrent 3.2.3	TorrentVolve 1.4 Beta	ShakesPeer 0.9.5	LimeWire 4.16.7	Pando 2.5.1.4
KTorrent 3.3beta	Transmission 1.74	ShakesPeer 0.9.11	LimeWire 4.17.3	Pando 2.5.1.11
KTorrent 3.3.4	Transmission 1.93	StrongDC++ 2.30	LimeWire 4.18.1	SoulSeek
KTorrent 4.0.3	Transmission 2.04	StrongDC++ 2.41	LimeWire 4.18.3	iSoul 0.3.6
KTorrent 4.1.1	Transmission 2.31	StrongDC++ 2.42	LimeWire 4.18.8	Nicotine Plus 1.2.16
LimeWire 4.12.11	Transmission 2.32	Valknut 0.4.9	LimeWire 5.0.11	SolarSeek 0.95.3
LimeWire 4.12.15	Transmission 2.33	eDonkey	LimeWire 5.1.2	SoulSeek 156
LimeWire 4.12.6	Turbo Torrent	eDonkey-plain	LimeWire 5.2.13	SoulSeek 156b
LimeWire 4.13.0 Beta	µTorrent 1.6	eDonkey-encrypted	LimeWire 5.3.0 Beta	SoulSeek 156c
LimeWire 4.13.14	µTorrent 1.6.2	aMule 2.1.3	LimeWire 5.5.13	SoulSeek 157 NS 13e
LimeWire 4.13.2 Beta	µTorrent 1.7	aMule 2.2.3	Morpheus 5.4.0.1080	SoulSeek 157 test 8
LimeWire 4.14.10	µTorrent 1.7.2	aMule 2.2.5	Morpheus 5.5.1	SoulseekX 1.0b6
LimeWire 4.14.8	µTorrent 1.7.5	aMule 2.2.6	Morpheus 5.7.1	pySoulSeek 1.2.7c
LimeWire 4.16.7	µTorrent 1.7.7	eDonkey2000 1.4.5	Mutella 0.4.5	StealthNet
LimeWire 4.17.3	µTorrent 1.7 Beta	eMule 0.46c	Phex 3.4.2.116	StealthNet 0.8.7.7
LimeWire 4.18.1	µTorrent 1.8.0	eMule 0.47a - 0.47c	Poisoned 0.5191	StealthNet 0.8.7.8
LimeWire 4.18.3	µTorrent 1.8.0rc2	eMule 0.48a	Qtella 0.7.0	StealthNet 0.8.7.9
LimeWire 4.18.8	µTorrent 1.8.0rc6	eMule 0.49a - 0.49c	Shareaza 2.4.0.0	Thunder / WebThunder
LimeWire 5.0.11	µTorrent 1.8.1	eMule 0.50a	Swapper.NET 4.5.1660.30216	Thunder / WebThunder
LimeWire 5.1.2	µTorrent 1.8.2	obfuscated eMule	Symella 1.40	5.6.9.344
LimeWire 5.2.13	µTorrent 1.8.3 Beta	eMule Plus 1.2e	WinMX MP3 4.7.0	Thunder / WebThunder
LimeWire 5.3.0 Beta	µTorrent 1.8.3 Stable	Hydranode 0.3.0	WinMX MP3 4.7.3	5.8.10.675
LimeWire 5.3.6	µTorrent 1.8.4	Jubster	WinMX MP3 4.7.4	Thunder / WebThunder
LimeWire 5.4.5	µTorrent 1.8.5	Lphant 3.0	XFactor	5.8.12.689
LimeWire 5.4.6	µTorrent 2.0 Beta	Lphant 3.50 - 3.51	XNap 3.0	Thunder / WebThunder
LimeWire 5.4.7	µTorrent 2.0.4	MLDonkey 3.0.0	XoloX 2.0	5.8.13.699
LimeWire 5.4.8	µTorrent 2.2	MLDonkey 3.0.3	iMesh	Thunder / WebThunder
LimeWire 5.5.5	µTorrent 2.2.1	Morpheus 5.4.0.1080	BearShare 6.1	5.8.9.662
LimeWire 5.5.6	µTorrent 3.0 Beta	Morpheus 5.5.1	BearShare 7.0 - 7.1	Thunder / WebThunder
LimeWire 5.5.7	µTorrent 3.0	Shareaza 2.4.0.0	BearShare 9.0	5.9.7.1062
LimeWire 5.5.8	µTorrent 3.1 Alpha	Shareaza 2.5.3.0	BearShare 10.0	Thunder / WebThunder 7.1.8
LimeWire 5.5.9	WizBit	Shareaza 2.5.5.0	iMesh 7.1	Thunder / WebThunder 7.2.0
LimeWire 5.5.14	Xtorrent 1.1	WinMX MP3 4.7.0	iMesh 7.2.0	Thunder / WebThunder 7.2.1
MLDonkey 3.0.0	Xtorrent 2.0	WinMX MP3 4.7.3	iMesh 8.1.0.60.352	Thunder / WebThunder 7.2.2
MLDonkey 3.0.7	Xtorrent 2.1	WinMX MP3 4.7.4	iMesh 9.0	WinMX
MonoTorrent 0.7.2	ZipTorrent	xMule 1.13.6	iMesh 10.0	WinMX 3.53
MooPolice 2.0	DirectConnect	XoloX 2.0	iMesh 11.0	WinMX 3.54 Beta 4
MooPolice 2.2	DirectConnect-hub	Filetopia	iMesh Lite 4.5.1	XNap 2.5f3
MooPolice 2.3	DirectConnect-peer	Filetopia 3.04	Lphant 4.0	Winnny
MooPolice 2.4	DirectConnect-adc-peer	Freenet	Lphant 5.1	Winnny 2.0b7.1
MooPolice 3.0 Beta	ApexDc++ 1.2.1	Freenet 0.7	Lphant 6.0	XDCC
Opera 10.00	ApexDc++ 1.3.4	Freenet 0.7.5	Lphant 7.0	XDCC Catcher 2.3
Opera 10.63	ApexDc++ 1.3.9	Gnutella	Shareaza 7.0	XDCC Fetcher 1.409
Opera 11.0	ApexDc++ 1.4.3	Acquisition 2.1	Shareaza 8.0	XDCC Fetcher 1.432
Opera 11.11	ApexDc++ 1.5.0	Acquisition 2.2.1	KaZaa / Fasttrack	XDCC Klipper 4.5
Opera 11.50	BCDC++ 0.750b	AcqLite 0.3.5	Apollon 1.0.2.1	

INSTANT MESSAGING (IM)

Gadu-Gadu	mIRC 7.19	Qnext 4.0.4.42beta	Oscar-file-transfer	Paltalk 10.0
Gadu-Gadu-server	Pidgin 2.7.10	Qnext 4.0.4.76beta	Oscar-picture-transfer	Paltalk iOS 2.1
Gadu-Gadu-file-transfer	Pidgin 2.9.0	Qnext 4.0.6.40beta	Oscar-voice	Paltalk iOS 3.0
Gadu-Gadu-voice	Meebo	Trillian/Trillian Pro 3.1	Oscar-video	Paltalk Android 1.0.2
Adium 1.3.10	Meebo-unknown	Trillian/Trillian Pro 3.1.12.0	Adium 1.4.1	WhatsApp
Adium 1.4.1	Meebo-audio	Trillian/Trillian Pro 3.1.9.0	Adium 1.4.3	WhatsApp Symbian 2.2.33
Adium 1.4.3	Meebo-video	Web.de Multimessenger	AIM 1.2	WhatsApp iOS 2.6.4
GaduGadu 17.02.09	Meebo Android 22	3.01.2048	AIM 6.1	WhatsApp iOS 2.6.6
GaduGadu 4.04.09	Meebo Blackberry Beta	Web.de Multimessenger	AIM 6.8	WhatsApp Android 2.6.5026
GaduGadu 01.09.09	Meebo iOS 1.5	3.70.2816	AIM 7.5	WhatsApp Android 2.6.5320
GaduGadu 7.7	Meebo iOS 1.9.1	Jabber App Nimbuzz	AIM Android 1.10.4.1	WhatsApp Android 2.6.6459
GaduGadu 10	Meebo iOS 1.94	Nimbuzz 1.3.0	AIM Android 1.10.9.1	WhatsApp Android 2.6.7840
GaduGadu 10.3.2	Meebo MiniBar 1.2	Nimbuzz 1.4.0	AIM Android 1.10.11.1	Yahoo
GaduGadu 10.5	Meebo MiniBar 1.5.2	Nimbuzz 1.6.0	AIM for iPad iOS 1.3.2	Yahoo-unknown
GaduGadu iOS 2.1.0	Meebo Notifier 1.0.8.0	Nimbuzz Blackberry 1.3.6	AIM for Mac 2.2.429	Yahoo-voice
GaduGadu iOS 2.2.0	PoPo	Nimbuzz iOS 2.1.0	AIM iOS 4.5.2	Yahoo-video
GaduGadu iOS 2.3.0	PoPo 2009beta1	Nimbuzz iOS 2.2.0	Ayttm 0.6.2	Yahoo-file-transfer
GaduGadu Android 1.5.0	PoPo 2011	Nimbuzz iOS 2.2.1	Fire 1.5.6	Yahoo-webchat
GaduGadu Android 2.0 beta	QQ	Nimbuzz Android 2.0.4	GMX Multimessenger	Adium 1.4.1
GaduGadu Android 2.2.0	QQ-unknown	Nimbuzz Android 2.0.5	3.01.2047	Adium 1.4.3
GaduGadu Android 2.3.0	QQ-voice	Nimbuzz Android 2.0.6	GMX Multimessenger	Ayttm 0.4.6
Instantbird 0.2	QQ-video	Nimbuzz Android 2.0.8	3.70.2815	GMX Multimessenger
Instantbird 1.0	QQ-file-transfer	Nimbuzz Symbian 3.0.2	iChat 5.0.3	3.01.2047
Kopete 1.0.80	Instantbird 0.2	Nimbuzz Symbian 3.1.0	ICQ 5.1	GMX Multimessenger
Miranda 0.6.6 - 6.6.8	QQ 2005	Nimbuzz Symbian 3.2.2	ICQ 6	3.70.2815
Miranda 0.7.13 - 0.7.14	QQ 2007beta3	MSN	ICQ 6.5	Instantbird 0.2
Miranda 0.7.17	QQ 2009	MSN-unknown	ICQ 7.2	Instantbird 1.0
Miranda 0.7.6 - 0.7.7	QQ 2009beta2	MSN-voice	ICQ 7.4	Kopete 1.0
Miranda 0.8.0a25	QQ 2011beta2	MSN-video	ICQ 7.5	Kopete 1.0.80
Miranda 0.8.0a27	QQ 2011beta3	MSN-file-transfer	ICQ 7.6	Miranda 6.3.2
Miranda 0.9.0	QQ International beta3	Adium 1.3.10	ICQ Android 1.1.0	Miranda 0.6.6 - 0.6.8
Miranda 0.9.17	QQ International 1.0	Adium 1.4.1	ICQ Android 1.2.0	Miranda 0.7.13 - 0.7.14
Miranda 0.9.27	QQ iOS 3.4.3	Adium 1.4.2	ICQ Android 1.2.1	Miranda 0.7.17
Pidgin 2.7.10	QQ HD iOS 1.0.1	aMSN 0.98.4	ICQ Android 1.3	Miranda 0.7.6 - 0.7.7
Pidgin 2.9.0	QQ HD iOS 1.0.4	Ayttm 0.4.6	ICQ Mac OS X 0.9.539	Miranda 0.8.0a25
IM+	Jabber / Google Talk (XMPP)	Fire 1.5.6	ICQ Mac OS X 1.0	Miranda 0.8.0a27
IM+ Android 3.6	Jabber-unknown	GMX Multimessenger	ICQ mobile for Java 3.0	Miranda 0.9.0
IM+ Android 3.7	Jabber-voice	3.01.2047	ICQ iOS 2.5	Miranda 0.90.17
IM+ Android 4.0.3	Jabber-video	GMX Multimessenger	ICQ iOS 2.6	Yahoo Messenger 3.0
IM+ Android 4.1.1	Jabber-file-transfer	3.70.2815	ICQ iOS 2.7	Yahoo Messenger 3.5
IM+ Android 4.1.5	Google Talk-unknown	Instantbird 0.2	ICQ iOS 2.8	Yahoo Messenger 4.1
IM+ Android 4.1.7	Google Talk-voice	Instantbird 1.0	Instantbird 0.2	Yahoo Messenger 5.0
IM+ Android 4.2.0	Google Talk-video	Kopete 1.0	Kopete 1.0	Yahoo Messenger 5.5
IM+ Blackberry 8.7.4	Google Talk-file-transfer	Kopete 1.0.80	Kopete 1.0.80	Yahoo Messenger 5.6
IM+ Blackberry 9.0	Adium 1.3.10	Mercury 2.0 rc7-5	Miranda 0.6.32	Yahoo Messenger 6.0
IM+ Blackberry 9.0.2	Adium 1.4.1	Microsoft Messenger Mac	Miranda 0.6.6 - 0.6.8	Yahoo Messenger 6.1
IM+ iOS 4.3	Adium 1.4.2	8.0.0	Miranda 0.7.13 - 0.7.14	Yahoo Messenger 7.4
IM+ iOS 4.5	Adium 1.4.3	Miranda 0.6.6 - 0.6.8	Miranda 0.7.17	Yahoo Messenger 7.5
IM+ iOS 4.7	Ayttm 0.4.6	Miranda 0.7.13 - 0.7.14	Miranda 0.7.6 - 0.7.7	Yahoo Messenger 8.0
IM+ iOS 5.1	GMX Multimessenger	Miranda 0.7.17	Miranda 0.8.0a25	Yahoo Messenger 8.1
IM+ iOS 5.2	3.01.2047	Miranda 0.7.6 - 0.7.7	Miranda 0.8.0a27	Yahoo Messenger 9.0
IM+ iOS 5.3	GMX Multimessenger	Miranda 0.8.0a25	Miranda 0.9.0	Yahoo Messenger 10.0
IM+ iOS 5.4	3.70.2815	Miranda 0.8.0a27	Miranda 0.9.17	Yahoo Messenger 11.0
IM+ for Java phones 4.5.3	Google Talk 1.0.0.92	Miranda 0.9.0	Pidgin 2.6.2 (previously Gaim)	Yahoo Messenger Android 1.3.2
IMO	Google Talk 1.0.0.104	Miranda 0.9.17	Pidgin 2.7.3	Yahoo Messenger Android 1.4
IMO Browser Applet	Google Talk 1.0.0.105	Pidgin 2.6.2 (previously Gaim)	Pidgin 2.7.10	Yahoo Messenger for Mac
IMO iOS 2.5.1	iChat 5.0.3	Pidgin 2.7.3	Pidgin 2.9.0	3.0.1 beta
IMO for iPad iOS 1.2.1	Instantbird 0.2	Pidgin 2.7.10	Proteus 4.2.1	Yahoo Messenger iOS 2.0.1
IMO Blackberry 1.0.4	Instantbird 1.0	Pidgin 2.9.0	Trillian/Trillian Pro 3.1.12.0	Yahoo Messenger iOS 2.1.0
IMO Android 2.2.7	Kopete 1.0	Trillian/Trillian Pro 3.1.12.0	Trillian/Trillian Pro 3.1.9.0	Yahoo Messenger iOS 2.2
IRC	Miranda 0.6.6 - 6.6.8	Trillian/Trillian Pro 3.1.9.0	Qnext 3.0.4.64beta	Pidgin 2.6.2 (previously Gaim)
IRC-unknown	Miranda 0.7.13 - 0.7.14	Qnext 3.0.4.64beta	Qnext 4.0.4.42beta	Pidgin 2.7.3
IRC-file-transfer	Miranda 0.7.17	Qnext 4.0.4.42beta	Qnext 4.0.4.76beta	Pidgin 2.7.10
Adium 1.4.2	Miranda 0.7.6 - 0.7.7	Qnext 4.0.4.76beta	Qnext 4.0.6.40beta	Pidgin 2.9.0
Ayttm 0.4.6	Miranda 0.8.0a25	Web.de Multimessenger	Web.de Multimessenger	Qnext 3.0.4.64beta
Fire 1.5.6	Miranda 0.8.0a27	3.01.2048	3.01.2048	Qnext 4.0.4.42beta
Instantbird 1.0	Miranda 0.9.0	Web.de Multimessenger	Web.de Multimessenger	Qnext 4.0.4.76beta
Miranda 0.6.6 - 6.6.8	Miranda 0.9.17	3.70.2816	3.70.2816	Qnext 4.0.6.40beta
Miranda 0.7.13 - 0.7.14	Pidgin (previously Gaim) 2.6.2	Windows Live iOS 1.1.1	Paltalk	Trillian/Trillian Pro 3.1.12.0
Miranda 0.7.17	Pidgin 2.7.10	Windows Live iOS 1.2.1	Paltalk-server	Trillian/Trillian Pro 3.1.9.0
Miranda 0.7.6 - 0.7.7	Pidgin 2.7.11	Windows Live 14.0.8050.1202	Paltalk-file-transfer	Web.de Multimessenger
Miranda 0.8.0a25	Pidgin 2.9.0	Windows Live 14.0.8064.206	Paltalk-voice	3.01.2048
Miranda 0.8.0a27	Proteus 4.2.1	Windows Live 14.0.8117.416	Paltalk 17705	Web.de Multimessenger
Miranda 0.9.0	Psi 0.11	Windows Live 15.4.3508.11098	Paltalk 17710	3.70.2816
Miranda 0.9.17	Psi 0.13	Oscar	Paltalk 17716	
mIRC 6.3.2	Psi 0.14	Oscar-unknown	Paltalk 17772	
mIRC 7.1	Qnext 3.0.4.64beta		Paltalk 9.9 Build 367	

STANDARD PROTOCOLS

AFP	PPP	TeamViewer Android 6.0.203	<i>DDL-file-upload.net</i>	<i>DDL-speedshare.org</i>
BGP	POP3	Telnet	<i>DDL-fileupyours.com</i>	<i>DDL-ultrashare.de</i>
DHCP	RADIUS	TFTP	<i>DDL-ftp2share.com</i>	<i>DDL-up-file.com</i>
DNS	RADIUS	UltraBac	<i>DDL-gigasize.com</i>	<i>DDL-uploaded.to</i>
EGP	Syratel Radius	Usenet	<i>DDL-gigeshare.com</i>	<i>DDL-uploading.com</i>
FTP	RDP	UseNeXT 5.28	<i>DDL-ifolder.ru</i>	<i>DDL-uploadingit.com</i>
<i>FTP-control</i>	SMB/CFIS	VNC	<i>DDL-live-share.com</i>	<i>DDL-uploadyourfiles.de</i>
<i>FTP-data</i>	SMTP	Direct Download Link (DDL)	<i>DDL-mediafire.com</i>	<i>DDL-wiiupload.net</i>
HTTP	SNMP	<i>DDL-4shared.com</i>	<i>DDL-megashare.com</i>	<i>DDL-yourfilehost.com</i>
HTTP App ACTIVESYNC	SSDP	<i>DDL-badongo.com</i>	<i>DDL-megashares.com</i>	<i>DDL-yourfiles.biz</i>
ICMP	STUN	<i>DDL-badongo.net</i>	<i>DDL-megaupload.com</i>	<i>DDL-zshare.net</i>
IGMP	Syslog	<i>DDL-bigfilez.com</i>	<i>DDL-mofile.com</i>	<i>DDL-hostggg.com</i>
IMAP	TDS	<i>DDL-easy-share.com</i>	<i>DDL-quicksharing.com</i>	<i>DDL-megarotic.com</i>
IPP	TeamViewer	<i>DDL-filearchiv.ru</i>	<i>DDL-rapidshare.com</i>	<i>DDL-load.to</i>
Mapi	TeamViewer 4.1	<i>DDL-filecloud.com</i>	<i>DDL-rapidshare.de</i>	<i>DDL-filebase.to</i>
MulticastDNS	TeamViewer 5.1	<i>DDL-filefactory.com</i>	<i>DDL-rapidupload.com</i>	<i>DDL-netload.in</i>
NETBIOS	TeamViewer 6.0	<i>DDL-filefront.com</i>	<i>DDL-sendspace.com</i>	<i>DDL-massmirror.com</i>
NFS	TeamViewer iOS 6.0	<i>DDL-fileho.com</i>	<i>DDL-sharebee.com</i>	XDMCP
NTP	TeamViewer iOS 6.0.9279	<i>DDL-filepost.ru</i>	<i>DDL-vip-file.com</i>	
OSPF	TeamViewer for iPad iOS 6.0	<i>DDL-filer.net</i>	<i>DDL-adrive.com</i>	
pcAnywhere	TeamViewer Android 6.0	<i>DDL-files.to</i>	<i>DDL-simpleupload.net</i>	

VOICE OVER IP (VOIP)

FiCall	<i>MGC-rtsp</i>	KPhone 4.2	Skype 3.2.0.152	Skype 5.1.0.935
FiCall iOS 1.00.06	ooVoo	MagicJack/MagicTalk 2.0.6	Skype 3.2.0.158	Skype 5.2.0.1523
FiCall iOS 1.00.22	ooVoo 3.0.2.116	OpenWengo/	Skype 3.2.0.163	Skype 5.3.0.108
Fring	ooVoo iOS 1.0.5	QuteCom 2.2rc3	Skype 3.2.0.175	Skype 5.3.0.111
<i>Fring-unknown</i>	ooVoo iOS 1.0.6	SipGate	Skype 3.5.0.107	Skype 5.3.0.116
<i>Fring-voice</i>	RTCP	Twinkle 1.4.2	Skype 3.5.0.158	Skype 5.3.0.120
Fring Android 2.3.8.1	Scydo	Vonage 0.9.3	Skype 3.5.0.178	Skype 5.3.59.1093
Fring Android 3.0.1.5	Scydo iOS 1.0.4	XMeeting 0.4p2	Skype 3.5.0.202	Skype 5.5.0.110 Beta
Fring Android 3.1.1.1	Scydo iOS 1.0.6	Skinny	Skype 3.5.0.214	Skype 5.5.0.112
Fring Android 3.5.2.2	Scydo iOS 2.0	Skype	Skype 3.5.0.229	Skype 5.5.0.115
Fring iOS 4.0.2.0	Scydo iOS 2.0.2	<i>Skype-unknown</i>	Skype 3.5.0.234	Skype Linux Beta 2.2
Fring iOS 5.0.0.52	Scydo Android 4.28	<i>Skype-voice</i>	Skype 3.5.0.239	Skype iOS 3.0.0
Fring iOS 5.1.1.2	Scydo Android 4.31	<i>Skype-out</i>	Skype 3.6.0.115	Skype iOS 3.0.1
Fring iOS 5.3.2	Scydo Android 4.39	<i>Skype-video</i>	Skype 3.6.0.127	Skype for iPad iOS 1.0.1273
Fring Symbian 4.4.13	Scydo Android 5.19	Skype 2.6.0.105	Skype 3.6.0.159	Skype for iPad iOS 1.0.1538
Fring Symbian 4.5.17	Scydo Android 5.25	Skype 2.8.0.851	Skype 3.6.0.244	Skype Symbian 1.5.0.16
H.323	SIP	Skype 3.0.0.106	Skype 3.6.0.248	Skype Symbian 2.0
Ekiga 3.2.0	<i>SIP-unknown</i>	Skype 3.0.0.123	Skype 3.8.0.96	Skype Android 1.0.0.983
Ekiga 3.2.6	<i>SIP-msn</i>	Skype 3.0.0.137	Skype 3.8.0.115	Skype Android 2.0.0.47
Ekiga 3.2.7	<i>SIP-yahoo</i>	Skype 3.0.0.154	Skype 3.8.0.139	Skype Android 2.1.0.46
NetMeeting 3.01	<i>SIP-vonage</i>	Skype 3.0.0.190	Skype 3.8.0.154	Tango
OpenH.323 1.19.0.1	<i>SIP-oscar</i>	Skype 3.0.0.198	Skype 3.8.0.180	Tango Android 1.4
XMeeting 0.4p2	<i>SIP-gadu-gadu</i>	Skype 3.0.0.205	Skype 3.8.0.188	Tango Android 1.5
IAX	<i>SIP-oscar-video</i>	Skype 3.0.0.209	Skype Beta 4.0.0.176	Tango Android 1.6.10456
DiAx 0.9.14	<i>SIP-yahoo-video</i>	Skype 3.0.0.214	Skype Beta 4.0.0.226	Tango iOS 1.4
Firefly 3.3.2	<i>SIP-ichat-facetime</i>	Skype 3.0.0.216	Skype 4.0.0.195	Tango iOS 1.5
IAXComm 1.2.0	<i>SIP-magicjack</i>	Skype 3.0.0.217	Skype 4.0.0.206	Tango iOS 1.6.9568
IAXPhone 2.1beta3	ClearSea 7.2.30	Skype 3.0.0.218	Skype 4.0.0.215	Tango iOS 1.6.11545
Idefisk/Zoiper 2.22	ClearSea 8.0.3	Skype 3.1.0.112	Skype 4.0.0.216	Truphone
Idefisk/Zoiper 2.37	Ekiga 3.2.0	Skype 3.1.0.144	Skype 4.0.0.224	Teamspeak
Kiax 2.1beta2	Ekiga 3.2.6	Skype 3.1.0.150	Skype 4.0.0.226	Teamspeak 3.0.0
LoudHush 1.3.21	Ekiga 3.2.7	Skype 3.1.0.152	Skype 4.1.0.136	Viber
PURtel	ExpressTalk 4.12	Skype 3.2.0.53	Skype 4.1.0.141	Viber iOS 1.0.5
YakaPhone 1.4.2	Facetime 1.0.2	Skype 3.2.0.63	Skype 4.1.0.166	Viber iOS 1.1.0
ZiaxPhone 0.8	Facetime iOS 4.0.2	Skype 3.2.0.82	Skype 5.0.0.152	Viber iOS 2.0.1
Iskoot	Facetime iOS 4.3	Skype 3.2.0.115	Skype Beta 5.0.0.6378	Viber iOS 2.0.2
MGCP	Gizmo 3.1.2.291	Skype 3.2.0.145	Skype 5.0.0.7994	Viber iOS 2.0.3
<i>MGCP-control</i>	gooverVoIP 1.41	Skype 3.2.0.148	Skype 5.1.0.112	Viber iOS 2.0.4

STREAMING PROTOCOLS

<p>AVI Feidian Feidian 1.0.1.32 Feidian 1.3.1 Flash (streaming) Shareaza 7.0.0.91481 Shareaza 7.0.0.94309 Flash (websites)* BBC clipfish.de Coolstream myspace.com myvideo.de youporn.com youtube.com etc. Funshion Funshion 2.4.2 Icecast Icecast 2.3.2 iPlayer IPTV T-Home/TV2 1.2.46058.8 Kontiki MMS Windows Media Player 11 Mojo Mojo 3.6 Move MPEG Jupster 4.0.0 Screamer Radio 0.3.8 Screamer Radio 0.4.3 Screamer Radio 0.4.4 VLC 0.8.6h</p>	<p>VLC 1.0.2 VLC 1.0.5 VLC 1.1.4 VLC 1.1.10 Winamp 3.531 Winamp 5.56 Winamp 5.581 Winamp 5.61 Netflix Netflix iOS 1.4 OGG ORB ORB-unknown ORB-server ORB-client ORB-client-rtsp ORB-client-rdt ORB-client-mwv ORB-client-wma ORB-client-flash ORB-client-flv ORB-client-3gp ORB-client-upload-download ORB 1.01.0695 ORB 2.00.0873 ORB 2.00.0885 ORB 2.00.0930 ORB 2.01.0025 ORB 2.01.0026 ORB 2.01.0028 ORB 2.01.0039 ORB 2.01.0042 ORB 2.50.0185 ORB 2.57.0010 Octoshape</p>	<p>CNN streaming Pandora PLive PPLive 1.8.7 PPLive 1.9.23 PPLive 2.0.21 PPLive 2.1.0.0011 PPLive 2.2.1 PPLive 2.2.2 PPLive 2.3.4.0024 PPLive 2.6.3 PPTV 2.7.3 PPTV 3.0.1 PPTV 3.0.2 PPStream PPStream 1.0.18.29 PPStream 1.0.4.641 PPStream 2.2.27.1067 PPStream 2.2.34.1122 PPStream 2.6.84.6000 PPStream 2.6.86.7800 PPStream 2.6.86.8250 PPStream 2.6.86.8800 PPStream 2.7.0.1148 PPStream 2.7.0.1266 QQ QQLive QQLive 5.01 QQLive 7.3 QQLive 8.0 QQLive 8.32 QQLive 8.36 QQLive 8.40 QuickTime iTunes 7.6.2.9</p>	<p>iTunes 9.0.1 iTunes 10.3 QuickTime 7.6.4 QuickTime 7.6.8 QuickTime 7.6.9 RDT Real Media RealMediaPlayer 11 RealMediaPlayer 14 RTP RTSP SCTP SHOUTcast Fishradio 1.1 iTunes 10.0.1.22 iTunes 10.2.2 Slingbox Slingbox 1.3.0 Slingbox 1.4.0 Slingbox 2.0.2481 Slingbox 2.0.3508 SopCast SopCast 1.1.1 SopCast 2.0.4 SopCast 3.0.3 SopCast 3.2.4 SopCast 3.2.9 Spotify Spotify 0.4.8 Spotify 0.5.1 Spotify 0.5.2 TVAnts TVAnts 1.0.0.59 TVAnts 1.0.0.59.0835 TVUPlayer</p>	<p>TVUPlayer 2.3.2 TVUPlayer 2.3.6beta1 TVUPlayer 2.4.1.0 TVUPlayer 2.4.5.1 TVUPlayer 2.4.8.2 TVUPlayer 2.5.3.1 TVUPlayer iOS 1.2 UUSee UUSee 2.0.0.11 UUSee 2007 UUSee 2008 UUSee 2010 V CAST VeohTV VeohTV Web Player 1.1.3beta VeohTV Web Player 1.2.2.1112 VeohTV Web Player 1.3.2.112 VeohTV Web Player 1.3.8.1112 VeohTV 3.9.6.1048 Windows Media Stream Zattoo Zattoo 3.1.0 Zattoo 3.3.3 - 3.3.4 Zattoo 3.0.5beta Zattoo 3.1.1.11916 Zattoo 3.3.1.18350 Zattoo 4.0.5 Zattoo iOS 1.2.2 Zattoo HD iOS 1.2.2 Zattoo iOS 1.2.4 Zattoo HD iOS 1.2.4</p>
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TUNNEL PROTOCOLS

<p>SSL HTTPS IMAPS POP3S SMTPS Stunnel GRE GTP GTP-control GTP-user-data HamachiVPN HamachiVPN 1.0.3.0 LogMeIn Hamachi 2.0.1 LogMeIn Hamachi 2.0.2 LogMeIn Hamachi 2.0.3</p>	<p>LogMeIn Hamachi 2.1 IP in IP IPsec IPsec UDP ISAKMP L2TP OpenL2TP 1.6 OpenL2TP 1.8 NetMotion NetMotion 9.1 OpenVPN Hotspot Shield 1.3 Hotspot Shield 1.57 Hotspot Shield 2.04 MyFreedom 2.1-rc9</p>	<p>OpenVPN 2.1-rc11 PPTP SoftEthernet SSH Teredo Tor Tor 0.1.10 Tor 0.2.27 Tor 1.3.24 Tor Vidalia Bundle 0.2.1.30 UltraSurf UltraSurf 10.02 UltraSurf 10.03 UltraSurf 10.04 UltraSurf 10.05</p>	<p>UltraSurf 10.06 UltraSurf 10.08 UltraSurf 10.10 UltraSurf 10.11 UltraSurf 10.12 UltraSurf 10.13 UltraSurf 10.14 UltraSurf 10.15 UltraSurf 10.16 UltraSurf 10.17 VoipSwitch VoIP Tunnel VPN-X VPN-X 2.4.1 VPN-X 2.5.1 VTun</p>	<p>VTun 3.0.2-1.1 VTun 3.0.2-3 YourFreedom YourFreedom 20101126-02 YourFreedom 20101223-01 YourFreedom 20110512-01 YourFreedom 20110601-01 YourFreedom 20110615-01 YourFreedom 20110704-01 YourFreedom 20110802-01 YourFreedom 20110822-01 Socks** Socks v4 Socks v5</p>
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GAMING PROTOCOLS

<p>Armagetron Battlefield Clubpenguin Crossfire Crossfire 1.0.52 Dofus Florensia</p>	<p>Fiesta GameKit Guild Wars Guild Wars 32.488 Half-Life 2 and Mods Maplestory PS3</p>	<p>Quake QQ Game rFactor rFactor 1.2.5.5 Second Life Second Life 1.21.6.99587 Second Life 2.4.0</p>	<p>Splash Fighters Splash Fighters 2.56.01 Steam Steam v008 49/770 Warcraft 3 Wii World of Kung Fu</p>	<p>World of Warcraft World of Warcraft 1.4.0.228 Xbox</p>
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** PACE can handle socks, but does not detect traffic as socks.
 PACE just ignores socks packets and starts the detection after the socks handshake.

BUSINESS PROTOCOLS

Citrix
GoToMeeting
 GoToMeeting BrowserApplet
 LDAP
 MySQL
 Kerberos
 PostgreSQL
 SAP

MSSQL
 MSSQL 2005 9.00.2047.00
JBK3000
WebEx
 WebEx iOS 1.5.1
 WebEx iOS 2.5.1
 WebEx BrowserApplet

MOBILE INTERNET PROTOCOLS

Blackberry
Bolt
 Bolt 2.5
Opera Mini
 Opera Mini 3.1
 Opera Mini 4.3
 Opera Mini 6.0
 Opera Mini Android 6.0

Opera Mini Android 6.1
 Opera Mini Blackberry 4.3
 Opera Mini Blackberry 6.0
 Opera Mini Blackberry 6.1
 Opera Mini iOS 5.0.2
 Opera Mini iOS 6.0
 Opera Mini iOS 6.0.1
WAP-WSP

WAP-WTP-WSP
WAP-WTLS
Multimedia Messaging Service