

Static supernodes hard-coded into Skype executables up to 5.0

Analysis of static Skype supernodes compiled by Georg Schwarz 15/07/2010, based solely on publicly available information

IP address	courwhois descr (line 1)	whois OrgName (line 1)	whois NetName (last line)	type	reverse DNS entry	port
145.53.94.84	NL ADSL		PTT1	isp	ip91355e54.adsl-surfen.hetnet.nl.	1351
217.154.203.66	UK ADSL: Roy Simmons		MISTRAL-ADSL-170755	isp	mail.axa-pppohs.co.uk.	33676
86.81.136.129	NL ADSL20		NL-PMG-ADSL	isp	ip56518881.speed.planet.nl.	48186
62.131.221.246	NL ADSL4		NL-PMG-ADSL	isp	ip3e83ddf6.speed.planet.nl.	1132
81.205.34.69	NL ADSL8		NL-PMG-ADSL	isp	ip51cd2245.speed.planet.nl.	40505
83.227.6.244	SE B2 customers in dsl15.lkp1		B2-BISP	isp	c-f406e353.23-12-64736c15.cust.bredbandsbolaget.se.	9311
81.92.10.73	DE BimeTal GmbH		TAL-BIMETAL-A	isp	81-92-10-73.bimetal.net.	57386
87.96.133.58	SE Blixtvik Sollentuna		SE-BLIXTVIK-1	isp	soll3-58.cust.blixtvik.net.	15964
84.249.223.241	FI Broadband access pool		SONERA-FINLAND-BBNET	isp	dsl-tkubrasgw3-fedff900-241.dhcp.inet.fi.	1035
80.222.44.182	FI Broadband access pool		SONERA-FINLAND-BBNET	isp	dsl-hkibrasgw2-fe2cde00-182.dhcp.inet.fi.	41438
80.193.19.80	UK BROADBAND BASI UBR02GRAY		BROADBANDAUDIT	isp	cpc4-tilb2-0-0-cust79.basl.cable.virginmedia.com.	54624
152.66.248.115	HU Budapest University of Technology and Economics		BMENET	acad	jellyfish.hit.bme.hu.	56103
86.56.161.162	AT Cable Customers		AT-LIWEST-DOCSIS	isp	cm56-161-162.liwest.at.	27233
83.81.29.142	NL Casema NV		CASEMA	isp	53511D8E.cable.casema.nl.	65067
129.16.136.214	SE Chalmers University Network		CTH-NET	acad	mc2-f021.mc2.chalmers.se.	8336
195.113.62.74	CZ Charles University in Prague		CUNI-T34CZ	acad	m532.lf3.cuni.cz.	43620
62.163.96.244	NL CPE Customers NL		UPC-NL	isp	a96244.upc-a.chello.nl.	24037
80.177.206.7	UK Demon Internet / Thus plc		ADSL-STATIC	isp	no-dns-yet.demon.co.uk.	3418
129.132.105.153	CH ETH/UNIZH Camp Net		ETH-ETHER	acad	bmse-desktop.inf.ethz.ch.	6093
129.132.59.48	CH ETH/UNIZH Camp Net		ETH-ETHER	acad	euripides.ethz.ch.	25738
217.14.181.42	UK Finch House, Finch Place, Liverpool, L3 8PN		LINUX	isp	217-14-181-42.as25582.net.	1406
131.188.165.54	DE Friedrich Alexander Universitaet Erlangen Nuernberg		REVUE	acad	pi3054.physik.uni-erlangen.de.	20669
194.143.187.119	UK GX Networks UK Ltd		GX-INFRA	isp	3(NXDOMAIN)	8000
130.208.75.25	IS Haskoli Islands		IS-HINET-B	acad	3(NXDOMAIN)	22055
137.111.103.83	AU imported for MACQUA-1 Asia Pacific NIC		MACQUARIE	acad	pc-1057.bio.mq.edu.au.	1386
157.161.46.44	CH Improware AG		IMPROWARE	isp	cable-static-46-44.intergga.ch.	16308
212.87.29.152	PL Institute of Biochemistry and Biophysics LAN		IBB-PAN	acad	macgus.ibb.waw.pl.	45856
83.141.86.162	IE Irish Broadband Internet Services Ltd.		IBIS-PA-NET	isp	3(NXDOMAIN)	34760
141.2.66.59	DE Johann Wolfgang Goethe-Universitaet Frankfurt		UNIFFM-NET	acad	gujo.wiwi.uni-frankfurt.de.	1476
140.78.96.145	AT Johannes Kepler University		JKU-LAN	acad	3(NXDOMAIN)	9787
140.78.94.70	AT Johannes Kepler University		JKU-LAN	acad	fibonacci.algebra.Uni-Linz.AC.AT.	21055
193.219.158.160	LT Kaunas University of Technology		KTU-ITDC	acad	3(NXDOMAIN)	8183
193.219.34.102	LT Kaunas University of Technology		KTU-LIBRARY	acad	linas.library.lt.	50656
195.148.52.25	FI Kiinteisto Oy Opintanner		OPINTANNER2-NET	isp	ip025.eero.opintanner.fi.	11109
212.149.207.78	FI KPY Kaapelitelevisio Oy		KPY-Kaapelitelevisio-NET	isp	212-149-207-78.bb.dnainternet.fi.	20511
194.47.170.145	SE Linnaeus University		HIKNET	acad	gfz363.hbv.hik.se.	30704

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130.240.222.49	SE	Lulea technical university	LUTHNET	acad	3(NXDOMAIN)	1423
130.235.74.125	SE	Lund University	LUNET	acad	dtodahl.keg.lu.se.	62349
130.235.24.16	SE	Lund University	LUNET	acad	genesis.polymat.lth.se.	7849
130.235.43.32	SE	Lund University	LUNET	acad	mop-2.student.lth.se.	64318
193.10.250.187	SE	Mittuniversitet	SE-MITTHS2	acad	mageripc.ite.miun.se.	30568
147.102.220.50	GR	National Technical University of Athens	NTUA	acad	hellboy.noc.ntua.gr.	57918
81.66.143.252	FR	NC Numericable S.A.	FR-NCNUMERICABLE-20020103	isp	81-66-143-252.rev.numericable.fr.	14418
81.99.194.203	UK	NTL Infrastructure - Acton	INFRASTRUCTURE	isp	cpc2-act06-0-0-cust714.brnt.cable.ntl.com.	6542
82.0.19.115	UK	NTL Infrastructure - Baguley	INFRASTRUCTURE	isp	spc1-brmb3-0-0-cust882.bagu.broadband.ntl.com.	44048
82.22.37.251	UK	NTL Infrastructure - Cardiff	NTL	isp	cpc2-colc3-0-0-cust506.colc.cable.ntl.com.	5050
82.27.33.220	UK	NTL Infrastructure - Huddersfield	NTL	isp	cpc2-heck7-0-0-cust475.hudd.cable.ntl.com.	25300
82.15.242.68	UK	NTL Infrastructure - Reading	NTL	isp	cpc3-rdng7-0-0-cust579.winn.cable.ntl.com.	17864
82.3.153.85	UK	NTL Infrastructure - Watford	INFRASTRUCTURE	isp	cpc3-watf3-0-0-cust340.watf.cable.ntl.com.	35640
213.78.201.62	UK	Onetel Broadband ADSL IP Pool	ONETEL-BROADBAND-NAT-POOL	isp	3(NXDOMAIN)	19977
81.68.85.85	NL	Online Breedband B.V.	NL-EURONET-20020111	isp	c51445555.cable.wanadoo.nl.	53378
82.224.183.75	FR	Proxad / Free SAS	FR-PROXAD-ADSL	isp	did75-5-82-224-183-75.fbx.proxad.net.	1153
80.74.98.115	IL	Qos-value added communications 2000 ltd	QOS	isp	98.74.80-QoS-user.in-addr.arpa.	32538
88.34.220.104	IT	QUATTROCI SRL	QUATTROCISRL	isp	host104-220-static.34-88-b.business.telecomitalia.it.	57128
88.34.215.252	IT	QUATTROCI SRL	QUATTROCISRL	isp	host252-215-static.34-88-b.business.telecomitalia.it.	46772
86.125.194.66	RO	RCS & RDS S.A.	RO-RCS-RDS-CABLELINK	isp	86-125-194-66.rdsnet.ro.	9789
134.130.58.194	DE	Rechen- und Kommunikationszentrum der RWTH Aachen	ACHSE	acad	holmium.demag.RWTH-Aachen.DE.	24322
130.237.67.77	SE	Royal Institute of Technology	KTHLAN-64-79	acad	ctt27.nt.nada.kth.se.	35228
129.206.108.119	DE	Ruprecht-Karls-Universitaet Heidelberg	HD-NET	acad	monica.iwr.uni-heidelberg.de.	1992
82.182.88.137	SE	Scream ARS	SCREAM-BOSTREAM-NET	isp	1-2-12-5a.ars.sth.bostream.se.	34153
194.165.188.83	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	33033
194.165.188.82	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	33033
194.165.188.82	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	51204
194.165.188.82	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	51202
194.165.188.82	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	51200
194.165.188.82	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	51203
194.165.188.82	IE	Skype Technologies	SKYPE-ESAT-20061024	skype	3(NXDOMAIN)	51201
219.57.108.76	JP	SOFTBANK BB CORP	BBTECH	isp	softbank219057108076.bbtec.net.	2488
195.169.208.100	NL	Stichting Studenten Huisvesting Nijmegen	SSHN	isp	vhe-382707.sshn.net.	24516
130.237.148.146	SE	Stockholm University	SUNT	acad	hassler-j.iies.su.se.	5499
140.113.144.222	TW	Taiwan Academic Network	T-NCTU.EDU.TW-NET	acad	wang.cm.nctu.edu.tw.	54636
80.162.233.20	DK	TDC A/S	DK-TELEDANMARK-20020712	isp	50A2E914.flatrate.dk.	57044
193.88.6.19	DK	TDC Hosting A-S	TDC-HOSTING-A-S-NET	isp	3(NXDOMAIN)	33033
193.88.6.19	DK	TDC Hosting A-S	TDC-HOSTING-A-S-NET	isp	3(NXDOMAIN)	51204

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193.88.6.19	DK	TDC Hosting A-S	TDC-HOSTING-A-S-NET	isp	3(NXDOMAIN)	51201
193.88.6.19	DK	TDC Hosting A-S	TDC-HOSTING-A-S-NET	isp	3(NXDOMAIN)	51202
193.88.6.19	DK	TDC Hosting A-S	TDC-HOSTING-A-S-NET	isp	3(NXDOMAIN)	51203
193.88.6.19	DK	TDC Hosting A-S	TDC-HOSTING-A-S-NET	isp	3(NXDOMAIN)	51200
129.27.140.33	AT	Technische Universitaet Graz	TUGNET	acad	andreas.inw.tu-graz.ac.at.	57500
129.27.64.9	AT	Technische Universitaet Graz	TUGNET	acad	fstbpc25.tu-graz.ac.at.	39870
131.155.187.16	NL	Technische Universiteit Eindhoven	TUENET1	acad	MBS-PC121.ele.tue.nl.	27486
81.226.209.203	SE	Telia Network Services	TELIANET	isp	81-226-209-203-no24.tbcn.telia.com.	48322
88.87.21.34	BG	Telnet Ltd Corp Users	TELNET-CORP	isp	3(NXDOMAIN)	63810
130.83.203.83	DE	TU Darmstadt, Hochschulrechenzentrum	TU-DARMSTADT	acad	nepal.na.mw.tu-darmstadt.de.	1674
145.94.20.171	NL	TU Delft RC	TU Delft	acad	xxx.citg-s.tudelft.nl.	3547
195.40.118.214	UK	UK Online	UKONLINE	isp	pond214.shepton.office.uk.easynet.net.	20365
158.39.25.87	NO	Uninett	UNINETT4	acad	HIN5087.hin.no.	43847
193.147.161.197	ES	Universidad de Sevilla	USEV-NET	acad	gtex03.us.es.	38821
193.206.35.177	IT	Universita' degli Studi di Bari	UNIBA-NET	acad	Palladino.ateneo.uniba.it.	54138
143.225.201.83	IT	Universita' degli Studi di Napoli Federico II	UNINA-NET	acad	3(NXDOMAIN)	31948
193.204.44.10	IT	Universita' degli Studi di Pavia	PAVIA-ATHENET	acad	dott1.unipv.it.	11985
134.34.70.155	DE	Universitaet Konstanz	KISS	acad	jcj-1.wiwi.uni-konstanz.de.	43794
132.199.124.142	DE	Universitaet Regensburg; Rechenzentrum	UNIR-LAN	acad	pc54609.wiwi.uni-regensburg.de.	1263
129.194.52.31	CH	University of Geneva-Ctr	UNIGE-CENTER	acad	pcc2341f.unige.ch.	53608
129.194.50.249	CH	University of Geneva-Ctr	UNIGE-CENTER	acad	3(NXDOMAIN)	36446
139.18.208.67	DE	University of Leipzig	UNILE-LAN	acad	3(NXDOMAIN)	63674
130.88.107.30	UK	University of Manchester	MANLAN	acad	mace-r-briggs.eng.man.ac.uk.	27689
130.232.84.231	FI	University of Turku	TURBO	acad	makk.cs.abo.fi.	64766
130.89.85.222	NL	University Twente	UTNET	acad	3(NXDOMAIN)	37806
89.102.100.238	CZ	UPC Ceska republika, a.s.	TESNETWORK	isp	ip-89-102-100-238.net.upc.cz.	42391
80.108.3.130	AT	UPC Telekabel	CHELLO	isp	chello080108003130.37.11.univie.teleweb.at.	41819
80.126.115.203	NL	XS4ALL Internet BV	XS4ALL	isp	a80-126-115-203.adsl.xs4all.nl.	31340
194.109.234.170	NL	XS4ALL Internet BV	XS4ALL	isp	a194-109-234-170.adsl.xs4all.nl.	27690
82.172.22.223	NL	Zon internet is one of the largest free ISP in the Netherlands	ZONNET-CUST-ADSL-4	isp	ip223-22-172-82.dyndsl.versatel.nl.	2930
129.64.55.43	US	Brandeis University	BRANDEIS	acad	vibrio.bio.brandeis.edu.	4455
134.117.193.60	CA	Carleton University	CARLETON1	acad	3(NXDOMAIN)	64351
128.239.119.39	US	College of William and Mary	WM-NET	acad	connection timed out; no servers could be reached	4542
128.59.151.84	US	Columbia University	CU-NET	acad	dyn-128-59-151-84.dyn.columbia.edu.	16102
71.61.66.95	US	Comcast Cable Communications Holdings, Inc	CCCH-3-34	isp	c-71-61-66-95.hsd1.wv.comcast.net.	24128
76.16.167.124	US	Comcast Cable Communications, Inc.	WESTERN-1	isp	c-76-16-167-124.hsd1.il.comcast.net.	55514
66.212.145.251	US	Consolidated Communications, Inc.	PINNATECH-2	isp	26.svnf7.xdsl.naticom.net.	1821
128.84.149.212	US	Cornell University	CORNELL-NET	acad	dod3-1skn6b1.johnson.cornell.edu.	8364

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140.192.34.175	US	Depaul University	DEPAUL	acad	3(NXDOMAIN)	12205
66.245.226.12	US	DSL Extreme	DSLEXTREME-NWK-4	isp	netblock-66-245-226-12.dslextreme.com.	3418
216.235.9.42	CA	E-Gate Communications Inc.	EGAT	isp	enterprise.secondnet.com.	56367
70.101.43.193	US	Frontier Communications of America, Inc.	FRONTIERCOMMUNICATIONSLEGACY	isp	70-101-43-193.dsl2-plymouth.roc.ny.frontiernet.net.	44200
70.101.39.117	US	Frontier Communications of America, Inc.	FRONTIERCOMMUNICATIONSLEGACY	isp	70-101-39-117.dsl2-plymouth.roc.ny.frontiernet.net.	35261
66.235.181.62	US	HopOne Internet Corporation	HOPONE-DCA2-2	isp	3(NXDOMAIN)	13033
156.56.90.153	US	Indiana University	IUED	acad	156-56-90-153.dhcp-bl.indiana.edu.	44530
18.170.1.75	US	Massachusetts Institute of Technology	MIT	acad	EDUFLO.MIT.EDU.	42570
132.235.23.132	US	Ohio University	OHIOU-NET	acad	harring10.cici.ohiou.edu.	3388
128.193.66.226	US	Oregon State University	ORST	acad	narva.OCE.ORST.EDU.	59679
70.44.122.21	US	PenTeleData Inc. - Cable	PENTEL-CABLE	isp	70.44.122.21.res-cmts.hzl.ptd.net.	48744
128.112.196.187	US	Princeton University	PRINCETON	acad	fre-qp8310s0ze5.Princeton.EDU.	20173
24.148.76.36	US	RCN Corporation	RCN-BLK-25	isp	24-148-76-36.c3-0.mart-ubr1.chi-mart.il.cable.rcn.com.	10489
65.186.222.249	US	Road Runner HoldCo LLC	RR	isp	cpe-65-186-222-249.insight.res.rr.com.	11453
68.147.224.150	CA	Shaw Communications Inc.	SHAW-COMM	isp	S010690840dd44d14.cg.shawcable.net.	41790
24.77.37.196	CA	Shaw Communications Inc.	SHAW-COMM	isp	3(NXDOMAIN)	61369
128.205.172.77	US	State University of New York at Buffalo	UBUFFALONET	acad	cast-ajimiolo.caset.buffalo.edu.	4870
206.116.192.70	CA	TELUS Communications Inc.	TELUS-206-116-0-0	isp	2(SERVFAIL)	48136
128.164.245.22	US	The George Washington University	GWU-GATE	acad	3(NXDOMAIN)	64474
128.196.253.144	US	University of Arizona	UNIV-ARIZ	acad	3(NXDOMAIN)	50581
128.32.52.78	US	University of California	UCB-ETHER	acad	w18.IGS.Berkeley.EDU.	32410
137.110.134.188	US	University of California San Diego, External Net	UCSDXTRN	acad	3(NXDOMAIN)	12952
128.135.104.218	US	University of Chicago	U-CHICAGO	acad	3(NXDOMAIN)	10415
128.175.116.223	US	University of Delaware	UDELNET	acad	cumulus.me.udel.edu.	30220
128.175.10.125	US	University of Delaware	UDELNET	acad	darcy.ce.udel.edu.	18713
137.49.238.97	US	University of Hartford	HARTFORD	acad	uhartford238097.hartford.edu.	9824
130.111.216.83	US	University of Maine System	UMAINE-SYS	acad	hugh-curran.ums.maine.edu.	12787
137.48.132.39	US	University of Nebraska at Omaha	UNOMAHA	acad	3(NXDOMAIN)	16088
129.93.97.96	US	University of Nebraska-Lincoln	HUSKERNET	acad	pcp133904pcs.unl.edu.	53314
136.142.104.242	US	University of Pittsburgh	PITNET-1	acad	3(NXDOMAIN)	39334
128.151.195.75	US	University of Rochester	UR-NET	acad	x3.chem.rochester.edu.	47665
128.233.176.137	CA	University of Saskatchewan	USASK	acad	fsdxeropen.usask.ca.	49658
128.233.88.77	CA	University of Saskatchewan	USASK	acad	3(NXDOMAIN)	53962
146.6.102.59	US	University of Texas at Austin	UTAUSTIN2	acad	dhcp-146-6-102-59.ae.utexas.edu.	53139
128.100.177.130	CA	University of Toronto	TORONTO	acad	e130.economics.utoronto.ca.	6317
143.88.70.34	US	University of West Florida	UWFLAN	acad	3(NXDOMAIN)	14695
144.92.165.79	US	University of Wisconsin Madison	UWMSN-NET-3	acad	dyn-144-92-165-79.wisc.edu.	58795
129.123.3.19	US	Utah State University	USU	acad	seefeldtoffic06.chem.usu.edu.	37472

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128.173.64.156	US	Virginia Polytechnic Institute and State Univ.	VA-TECH	acad	scaglia.apsc.vt.edu.	13184
130.132.149.243	US	Yale University	YALE-SPINE	acad	dsm27.law.yale.edu.	2418
130.132.20.240	US	Yale University	YALE-SPINE	acad	sysc5.eng.yale.edu.	4781
83.64.78.50	AT		Brennweit-Medienproduktion	isp	83-64-78-50.hoetting.xdsl-line.inode.at.	4419
201.147.18.59	MX		LACNIC-201	isp	static.customer-201-147-18-59.uninet-ide.com.mx.	49289
201.147.18.59	MX		LACNIC-201	isp	static.customer-201-147-18-59.uninet-ide.com.mx.	60334
132.248.34.80	MX		LACNIC-ERX-132-247-0-0	acad	3(NXDOMAIN)	60872
154.20.234.248	CA			isp	2(SERVFAIL)	18020
204.50.152.34	CA			isp	CPOL.204-50-152-34.cpol.com.	57480
24.36.125.152	CA			isp	d24-36-125-152.home1.cgocable.net.	51170
24.37.236.55	CA			isp	modemcable055.236-37-24.mc.videotron.ca.	23972
24.201.61.240	CA			isp	modemcable240.61-201-24.mc.videotron.ca.	12152
24.37.120.246	CA			isp	modemcable246.120-37-24.mc.videotron.ca.	12828
141.213.97.22	US			acad	3(NXDOMAIN)	22350
35.8.70.201	US			acad	3(NXDOMAIN)	5186
169.229.128.54	US			acad	econ-54.Berkeley.EDU.	47472
141.211.77.123	US			acad	MCDB-3083-02.mcdb.lsa.umich.edu.	13557
12.240.37.134	US			isp	134.37.240.12.static.att.net.	2987
68.43.120.90	US			isp	3(NXDOMAIN)	15855
12.218.7.38	US			isp	38.7.218.12.static.att.net.	31423
64.17.71.64	US			isp	64-17-71-64.mo.warpdriveonline.com.	9595
68.118.88.36	US			isp	68-118-88-36.dhcp.kgpt.tn.charter.com.	35251
70.88.106.73	US			isp	70-88-106-73-louis-gonzales-rev-mi.hfc.comcastbusiness.net.	52766
66.136.249.81	US			isp	adsl-66-136-249-81.dsl.wchtk.swbell.net.	46247
24.128.68.132	US			isp	c-24-128-68-132.hsd1.nh.comcast.net.	33336
24.13.227.20	US			isp	c-24-13-227-20.hsd1.il.comcast.net.	38510
24.15.106.93	US			isp	c-24-15-106-93.hsd1.il.comcast.net.	8279
24.15.5.164	US			isp	c-24-15-5-164.hsd1.il.comcast.net.	39195
66.56.38.201	US			isp	c-66-56-38-201.hsd1.ga.comcast.net.	25438
67.174.178.147	US			isp	c-67-174-178-147.hsd1.co.comcast.net.	2937
67.186.100.2	US			isp	c-67-186-100-2.hsd1.il.comcast.net.	4424
68.84.152.124	US			isp	c-68-84-152-124.hsd1.nm.comcast.net.	42979
69.139.171.99	US			isp	c-69-139-171-99.hsd1.nj.comcast.net.	61438
69.142.187.196	US			isp	c-69-142-187-196.hsd1.nj.comcast.net.	1969
69.244.167.223	US			isp	c-69-244-167-223.hsd1.mi.comcast.net.	6287
71.195.6.110	US			isp	c-71-195-6-110.hsd1.mn.comcast.net.	36754
151.200.79.33	US			isp	client-151-200-79-33.enosys.com.	29580
68.12.59.2	US			isp	connection timed out; no servers could be reached	28410

Static supernodes hard-coded into Skype executables up to 5.0

70.189.33.160	US	isp	connection timed out; no servers could be reached	18471
24.192.113.189	US	isp	d192-24-189-113.try.wideopenwest.com.	14419
24.44.22.194	US	isp	ool-182c16c2.dyn.optonline.net.	16865
67.81.118.120	US	isp	ool-43517678.dyn.optonline.net.	2438
67.83.32.61	US	isp	ool-4353203d.dyn.optonline.net.	35939
67.84.0.212	US	isp	ool-435400d4.dyn.optonline.net.	32915
68.193.87.45	US	isp	ool-44c1572d.dyn.optonline.net.	17212
68.198.112.41	US	isp	ool-44c67029.dyn.optonline.net.	63644
69.113.139.105	US	isp	ool-45718b69.dyn.optonline.net.	18681
69.118.98.161	US	isp	ool-457662a1.dyn.optonline.net.	3571
69.125.134.159	US	isp	ool-457d869f.dyn.optonline.net.	64743
24.110.168.173	US	isp	user-0c6ta5d.cable.mindspring.com.	21081