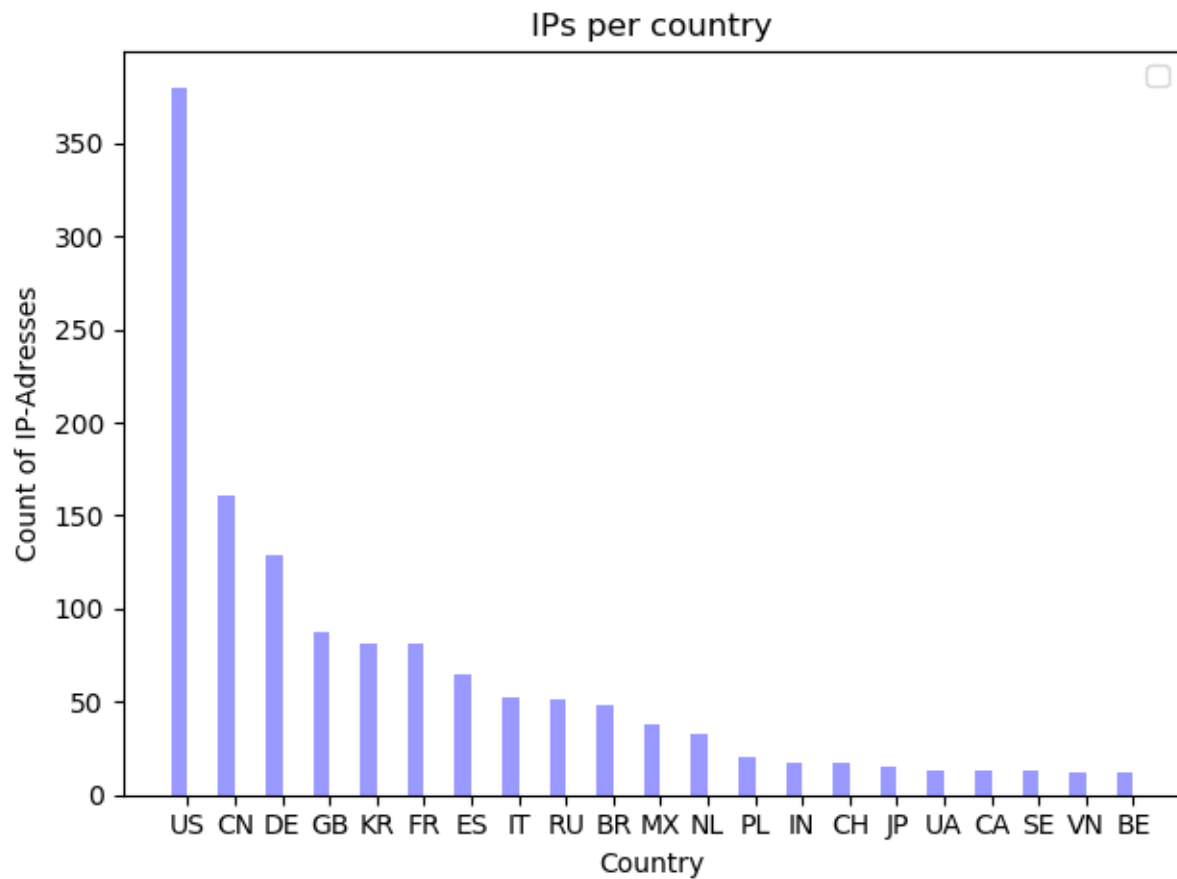
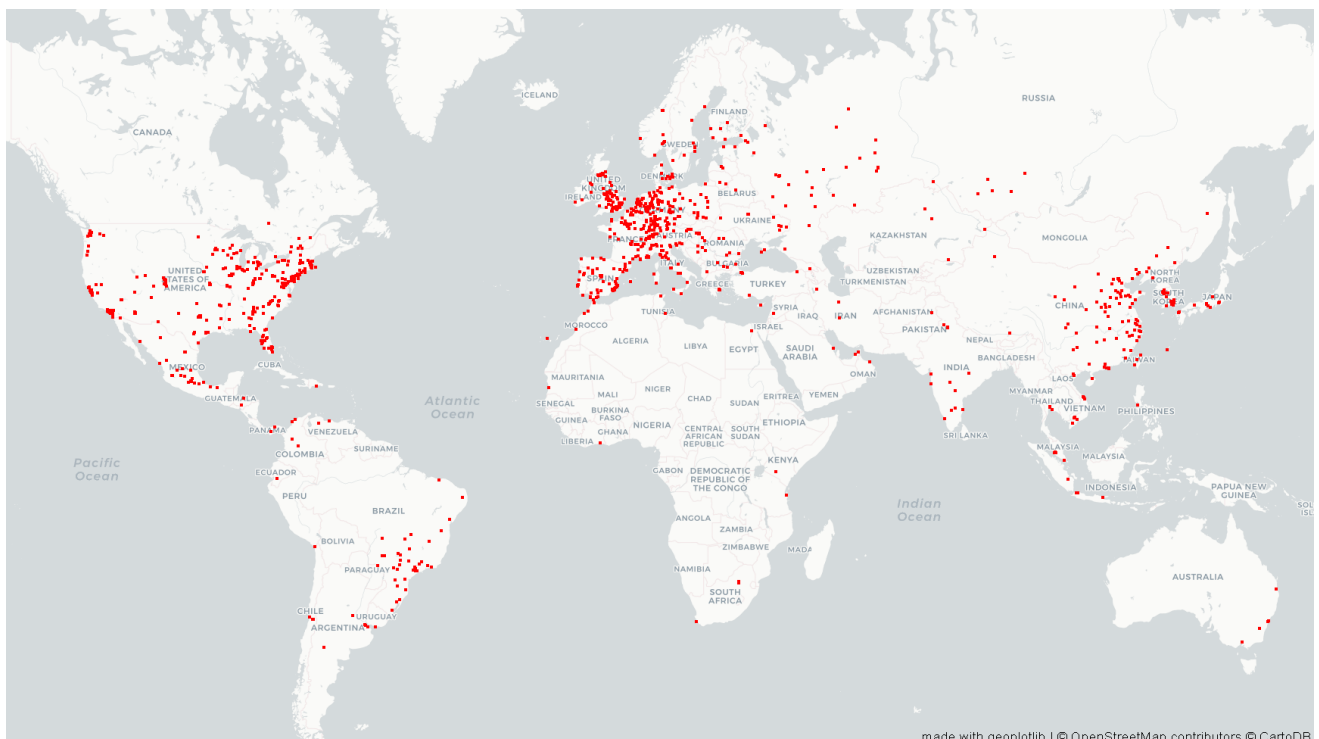
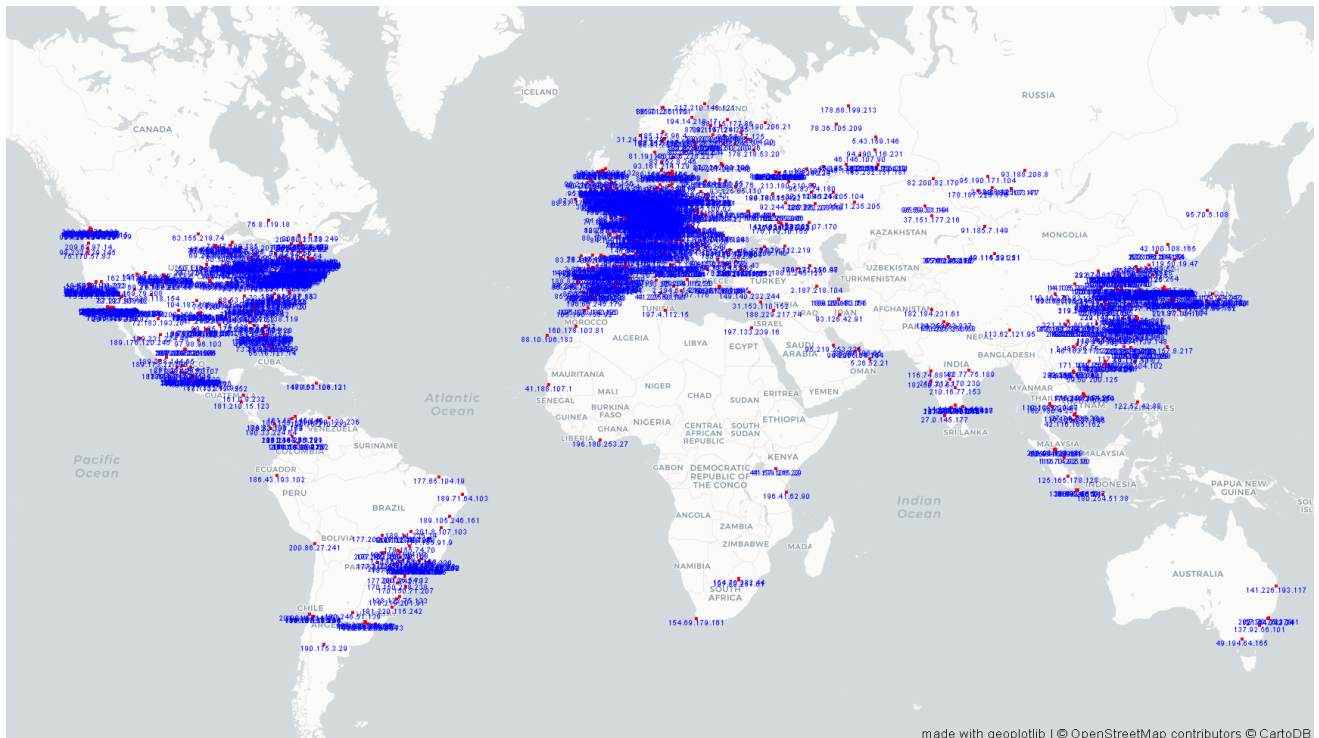


Tue Feb 20 13:23:11 2018

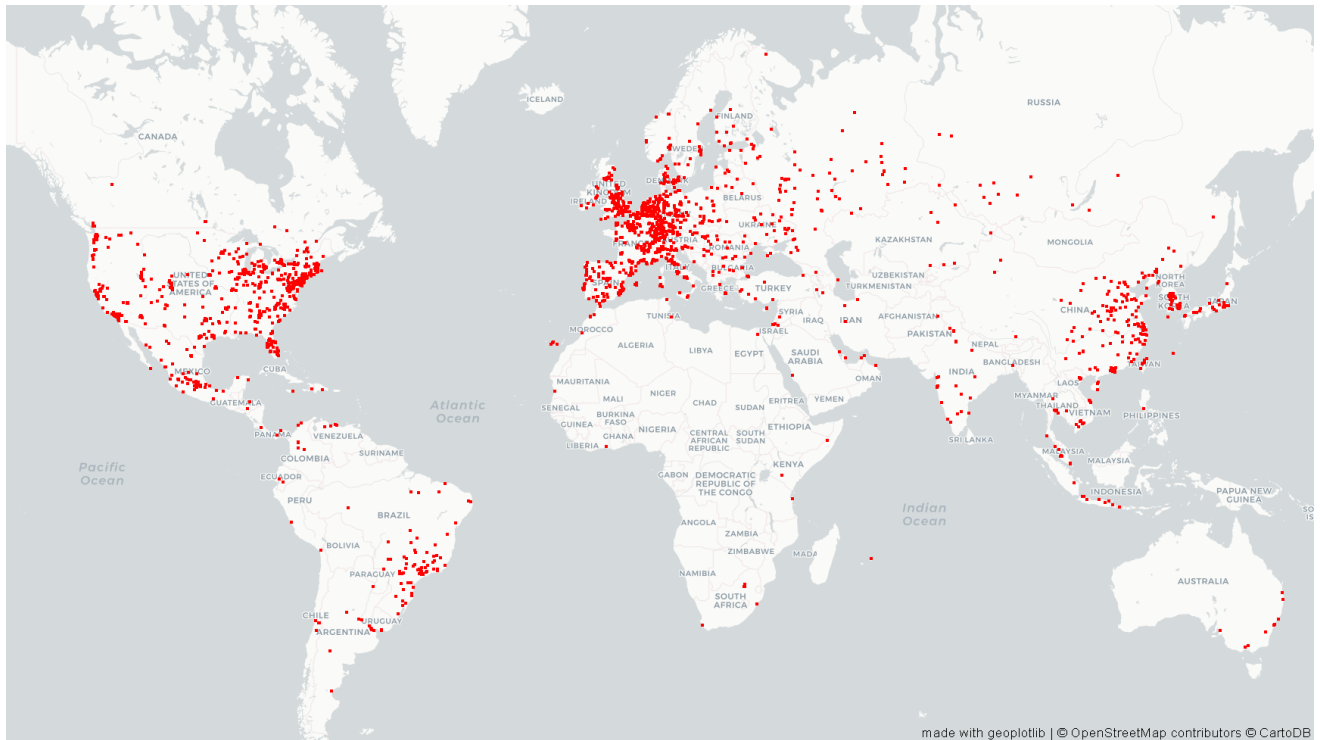
The dispersal of the responding IPs to the countrys:



The locations of every IP founded in this result:



The locations of every IP ever founded:



Phone Number	City	Country	IP	Region	ZIP-Code
72561 CenturyTel Internet Services, Inc.	Ville Platte	United States	99.195.170.227	Louisiana	70586
7018 AT&T; Services, Inc.	Oswego	United States	99.128.201.105	Illinois	60543
6389 BellSouth.net Inc.	Auburn	United States	98.89.84.6	Alabama	36832
7922 Comcast Cable Communications, LLC	Madison Heights	United States	98.250.242.77	Michigan	48071
7922 Comcast Cable Communications, LLC	Albany	United States	98.232.239.145	Oregon	97322
7922 Comcast Cable Communications, LLC	Alexandria	United States	98.231.180.59	Virginia	22314
7922 Comcast Cable Communications, LLC	Edgewood	United States	98.218.171.249	Maryland	21040
7922 Comcast Cable Communications, LLC	Walnut Creek	United States	98.207.68.176	California	94595
7922 Comcast Cable Communications, LLC	Chesterton	United States	98.206.63.139	Indiana	46304
36647 Yahoo	East Wenatchee	United States	98.136.202.215	Washington	98802
32881 Server North	Mallorytown Landing	Canada	98.124.6.65	Ontario	
701 MCI Communications Services, Inc. d/b/a Verizon Business	Brooklyn	United States	98.116.146.108	New York	11238
701 MCI Communications Services, Inc. d/b/a Verizon Business	Astoria	United States	98.113.24.69	New York	11105
701 MCI Communications Services, Inc. d/b/a Verizon Business	New York	United States	98.113.137.30	New York	10005
701 MCI Communications Services, Inc. d/b/a Verizon Business	Westfield	United States	98.109.148.48	New Jersey	07090
70796 Time Warner Cable Internet LLC	Kaukauna	United States	98.100.232.67	Wisconsin	54130
71427 Time Warner Cable Internet LLC	Corpus Christi	United States	97.98.96.103	Texas	78418
20115 Charter Communications	City of Saint Peters	United States	97.91.214.174	Missouri	63376
209 Qwest Communications Company, LLC	Seattle	United States	97.126.98.164	Washington	98103
209 Qwest Communications Company, LLC	Port Orchard	United States	97.113.21.88	Washington	98367
209 Qwest Communications Company, LLC	Seattle	United States	97.113.112.201	Washington	98106
6527 Guadalupe Valley Telephone Cooperative, Inc.	New Braunfels	United States	96.8.231.195	Texas	78132

33363 BRIGHT HOUSE NETWORKS, LLC	Clearwater	United States	96.59.37.229	Florida	33761
33363 BRIGHT HOUSE NETWORKS, LLC	Riverview	United States	96.59.235.10	Florida	33569
33363 BRIGHT HOUSE NETWORKS, LLC	Lakeland	United States	96.59.128.52	Florida	33801
701 MCI Communications Services, Inc. d/b/a Verizon Business	Perkasie	United States	96.245.121.146	Pennsylvania	18944
701 MCI Communications Services, Inc. d/b/a Verizon Business	Bayonne	United States	96.242.31.26	New Jersey	07002
701 MCI Communications Services, Inc. d/b/a Verizon Business	Herndon	United States	96.241.140.35	Virginia	20171
701 MCI Communications Services, Inc. d/b/a Verizon Business	Taunton	United States	96.233.55.226	Massachusetts	02780
701 MCI Communications Services, Inc. d/b/a Verizon Business	Washington	United States	96.231.216.94	District of Columbia	20003
20940 Akamai International	Cambridge	United States	96.16.56.178	Massachusetts	02142
33949 Linode, LLC	Dallas	United States	96.126.113.80	Texas	75270
7922 Comcast Cable Communications, LLC	Olympia (Downtown)	United States	96.123.104.129	Washington	
31334 Vodafone Kabel Deutschland GmbH	Gera	Germany	95.91.77.32	Thuringia	07548
2389 PJSC Rostelecom	Saransk	Russia	95.83.24.180	Respublika Mordoviya	43001
830 Liberty Global Operations B.V.	Reghin	Romania	95.77.165.248	Judetul Mures	54530
2389 PJSC Rostelecom	Orenburg	Russia	95.71.235.205	Orenburgskaya Oblast'	46000
2389 PJSC Rostelecom	Komsomolsk-on-Amur	Russia	95.70.5.108	Khabarovsk	68100
0198 JSC Kazakhtelecom	Astana	Kazakhstan	95.59.81.19	Astana Qalasy	
0198 JSC Kazakhtelecom	Astana	Kazakhstan	95.59.33.144	Astana Qalasy	
9997 PJSC Rostelecom	Vyborg	Russia	95.54.57.125	Leningradskaya Oblast'	
2389 PJSC Rostelecom	Kaliningrad	Russia	95.52.89.239	Kaliningradskaya Oblast'	
1124 BTcom Communications Ltd.	Almaty	Kazakhstan	95.46.232.61	Almaty Qalasy	
5466 Eircom	Skerries	Ireland	95.45.133.27	Leinster	K34
3269 Telecom Italia	Sarzana	Italy	95.255.35.213	Liguria	19038
3269 Telecom Italia	Volpiano	Italy	95.253.238.7	Piedmont	10088
3269 Telecom Italia	Como	Italy	95.253.231.43	Lombardy	22100
3269 Telecom Italia	Parma	Italy	95.249.166.52	Emilia-Romagna	43126
3269 Telecom Italia	Rome	Italy	95.238.86.95	Latium	
3269 Telecom Italia	Forino	Italy	95.238.188.11	Campania	83020

0269 Telecom Italia	Rome	Italy	95.234.232.106	Latium	00134
0269 Telecom Italia	Cosenza	Italy	95.234.112.30	Calabria	87100
0269 Telecom Italia	Mercogliano	Italy	95.226.10.29	Campania	83013
02715 Orange Espagne S.U.	Madrid	Spain	95.22.63.97	Madrid	28003
025019 Saudi Telecom Company JSC	Dammam	Saudi Arabia	95.219.253.235	Eastern Province	
029562 Kabel BW	Pforzheim	Germany	95.208.237.117	Baden-Württemberg Region	75177
02389 PJSC Rostelecom	Kemerovo	Russia	95.190.171.104	Kemerovskaya Oblast'	65003
02576 EE Limited	Felbridge	United Kingdom	95.148.109.51	England	RH19
03352 Telefonica De Espana	Tarragona	Spain	95.120.24.138	Catalonia	43002
05607 Sky UK Limited	Bradford	United Kingdom	94.9.76.189	England	BD5
05607 Sky UK Limited	Basildon	United Kingdom	94.8.199.42	England	SS16
0830 Liberty Global Operations B.V.	Warsaw	Poland	94.75.96.25	Mazovia	00-20
02897 ENTEGA Medianet GmbH	Morlenbach	Germany	94.46.68.14	Hesse	69509
05607 Sky UK Limited	Lochgelly	United Kingdom	94.4.154.41	Scotland	KY5
05607 Sky UK Limited	Gillingham	United Kingdom	94.3.224.229	England	ME7
025190 UAB Kauno interneto tamos	Kaunas	Republic of Lithuania	94.244.71.55	Kaunas	44001
08866 Vivacom	Sofia	Bulgaria	94.236.248.77	Sofia-Capital	1000
06276 OVH SAS	Zurich	Switzerland	94.23.255.58	Zurich	
01887 Prolocation B.V.	Nederland	Netherlands	94.228.134.218	Provincie Overijssel	
0848 Telenet BVBA	Halle	Belgium	94.225.246.148	Flanders	1500
03209 Vodafone GmbH	Groitzsch	Germany	94.223.39.151	Saxony	04539
03209 Vodafone GmbH	Barby	Germany	94.219.66.179	Saxony-Anhalt	39249
03209 Vodafone GmbH	Ulm	Germany	94.216.151.219	Baden-Württemberg Region	89079
05802 Emirates Integrated Telecommunications Company PJSC (EITC-DU)	Dubai	United Arab Emirates	94.207.137.194	Dubai	
05802 Emirates Integrated Telecommunications Company PJSC (EITC-DU)	Dubai	United Arab Emirates	94.206.64.34	Dubai	
05607 Sky UK Limited	Camberley	United Kingdom	94.194.54.190	England	GU15
05607 Sky UK Limited	Spalding	United Kingdom	94.194.3.203	England	PE11
05607 Sky UK Limited	Woodford	United Kingdom	94.194.183.158	England	IG8

8524 TERRA communications group, Ltd.	Lesnoy	Russia	94.190.116.231	Sverdlovskaya Oblast'	62421
0158 Telenor A/S	Copenhagen	Denmark	94.145.6.48	Capital Region	1513
607 Sky UK Limited	Crewe	United Kingdom	94.13.2.240	England	CW1
607 Sky UK Limited	Cheltenham	United Kingdom	94.12.111.128	England	GL50
607 Sky UK Limited	Hyde	United Kingdom	94.10.115.233	England	SK14
447 A1 Telekom Austria AG	Im Brand	Austria	93.82.228.202	Tyrol	
2874 Fastweb	Parma	Italy	93.62.105.247	Emilia-Romagna	43126
5557 SFR SA	Angers	France	93.6.37.25	Pays de la Loire	49100
2874 Fastweb	Biella	Italy	93.50.44.87	Piedmont	13900
2874 Fastweb	Milan	Italy	93.50.148.237	Lombardy	20158
320 Deutsche Telekom AG	Hamm	Germany	93.239.45.218	North Rhine-Westphalia	59075
320 Deutsche Telekom AG	Ransbach-Baumbach	Germany	93.236.135.176	Rheinland-Pfalz	56235
320 Deutsche Telekom AG	Herborn	Germany	93.209.240.235	Hesse	35745
320 Deutsche Telekom AG	Glückstadt	Germany	93.192.206.17	Schleswig-Holstein	
7236 CityLink Ltd	Petrozavodsk	Russia	93.190.206.21	Karelia	18500
8769 Closed Joint Stock Company SibTransTelecom	Zelenogorsk	Russia	93.188.208.8	Krasnoyarskiy Kray	66369
5374 ESCOM Ltd. - Haskovo	Haskovo	Bulgaria	93.183.151.62	Haskovo	6300
292 Tele Danmark	Slagelse	Denmark	93.166.19.199	Zealand	4200
292 Tele Danmark	Dronninglund	Denmark	93.161.214.129	North Denmark	
292 Tele Danmark	Taastrup	Denmark	93.161.18.72	Capital Region	2630
5212 Nobelus EOOD	Sofia	Bulgaria	93.152.238.157	Sofia-Capital	
4375 Asmanfaraz Sepahan Co (pjs)	Isfahan	Iran	93.126.42.91	Isfahan	
0852 Velcom AZS LLC	Minsk	Belarus	93.125.65.110	Minsk City	22000
5557 SFR SA	Pontoise	France	93.12.245.121	Île-de-France	95300
4779 T-2, d.o.o.	Ljubljana	Slovenia	93.103.110.181	Ljubljana	1000
5557 SFR SA	Thones	France	92.95.171.91	Auvergne-Rhone-Alpes	74230
5557 SFR SA	Toulouse	France	92.92.15.9	Occitanie	31400
5557 SFR SA	Alfortville	France	92.88.100.56	Île-de-France	94140
209 Vodafone GmbH	Bremen	Germany	92.77.97.1	Bremen	28195
209 Vodafone GmbH	Hanover	Germany	92.76.131.230	Lower Saxony	30449
2479 Orange Espagne SA	Torre Pacheco	Spain	92.59.87.20	Murcia	30700
856 Ic-voronezh	Voronezh	Russia	92.244.225.77	Voronezhskaya Oblast'	39400
089 Virgin Media Limited	Bristol	United Kingdom	92.236.40.125	England	BS16
805 Telefonica Germany	Berlin	Germany	92.229.101.99	Land Berlin	10777
805 Telefonica Germany	Solingen	Germany	92.228.8.206	North Rhine-Westphalia	42653

0805 Telefonica Germany	Wuppertal	Germany	92.228.142.23	North Rhine-Westphalia	42285
0209 Vodafone GmbH	Munich	Germany	92.218.250.163	Bavaria	80807
0209 Vodafone GmbH	Frankfurt am Main	Germany	92.215.177.166	Hesse	
0209 Vodafone GmbH	Frankfurt am Main	Germany	92.215.146.231	Hesse	
0209 Vodafone GmbH	Frankfurt am Main	Germany	92.212.136.208	Hesse	
0209 Vodafone GmbH	Stuttgart	Germany	92.211.243.112	Baden-Württemberg Region	70173
0209 Vodafone GmbH	Bremen	Germany	92.210.173.160	Bremen	28219
020676 QSC AG	Karlsruhe	Germany	92.203.33.5	Baden-Württemberg Region	76131
020676 QSC AG	Berlin	Germany	92.200.95.184	Land Berlin	10777
02715 Orange Espagne U.	Zaragoza	Spain	92.191.72.184	Aragon	50018
02479 Orange Espagne SA	Madrid	Spain	92.176.234.149	Madrid	28002
0273 CW Vodafone Group C	Cambridge (Mit)	United States	92.123.127.82	Massachusetts	
0145 EWE-Tel GmbH	Vechta	Germany	91.96.244.242	Lower Saxony	49377
05238 Alsace Connexia	Haguenau	France	91.91.192.45	Grand-Est	67500
05238 Alsace Connexia	Barr	France	91.91.162.149	Grand-Est	67140
029562 Kabel BW	Ludwigsburg	Germany	91.89.92.15	Baden-Württemberg Region	71642
029562 Kabel BW	Villingen-Schwenningen	Germany	91.89.65.219	Baden-Württemberg Region	78052
011334 Manche Telecom	Anneville-en-Saire	France	91.88.150.158	Normandy	50760
03359 MTS PJSC	Moscow	Russia	91.78.34.40	Moscow	10212
03359 MTS PJSC	Moscow	Russia	91.77.129.70	Moscow	10212
05557 SFR SA	Toulouse	France	91.68.60.87	Occitanie	31400
05557 SFR SA	Perpignan	France	91.68.174.197	Occitanie	66000
03320 Deutsche Telekom AG	Essen	Germany	91.49.243.85	North Rhine-Westphalia	45219
03320 Deutsche Telekom AG	Oyten	Germany	91.49.198.221	Lower Saxony	28876
0145 EWE-Tel GmbH	Worpswede	Germany	91.248.245.231	Lower Saxony	27726
056601 i7 Ltd	Moscow (Vostochnyy administrativnyy okrug)	Russia	91.226.30.41	Moscow	
097422 Tetaneutral.net	Toulouse	France	91.224.149.96	Occitanie	31000
0437 Tele2 communication GmbH	Vienna	Austria	91.199.200.245	Vienna	1020
011798 JSC Transtelecom	Kazakhstan	Kazakhstan	91.185.7.149	East Kazakhstan	
03 Massachusetts Institute of Technology	Ghent	Belgium	91.181.191.29	Flanders	9000
03320 Deutsche Telekom AG	Zeitz	Germany	91.18.76.162	Saxony-Anhalt	06712
0719 Elisa Oyj	Vantaa	Finland	91.153.112.120	Uusimaa	01280
024822 OPTICON kommunikacios Halozati Algaltrato	Kecskemét	Hungary	91.137.250.188	Bács-Kiskun	6000

6276 OVH SAS	Varennes-sur-Allier	France	91.134.7.81	Auvergne	
6855 Slovak Telecom, a. s.	Bratislava (Bratislavský)	Slovak Republic	91.127.228.50	Bratislavský	
6276 OVH SAS	Roubaix	France	91.121.137.206	Nord-Pas-de-Calais	
6607 Sky UK Limited	Haverhill	United Kingdom	90.221.196.192	England	CB9
6607 Sky UK Limited	Glasgow	United Kingdom	90.218.101.29	Scotland	G42
6607 Sky UK Limited	Ballymena	United Kingdom	90.217.32.161	Northern Ireland	BT44
6607 Sky UK Limited	Manchester	United Kingdom	90.214.55.129	England	M40
6607 Sky UK Limited	Wisbech	United Kingdom	90.214.156.155	England	PE13
6607 Sky UK Limited	Belfast	United Kingdom	90.211.92.81	Northern Ireland	BT1
6607 Sky UK Limited	Birmingham	United Kingdom	90.210.134.78	England	B15
6607 Sky UK Limited	Birmingham	United Kingdom	90.209.84.180	England	B15
6607 Sky UK Limited	Manchester	United Kingdom	90.209.143.145	England	M40
6607 Sky UK Limited	Islington	United Kingdom	90.207.23.101	England	EC1P
6607 Sky UK Limited	Sheffield	United Kingdom	90.202.219.192	England	S11
6607 Sky UK Limited	Belfast	United Kingdom	90.202.201.71	Northern Ireland	BT14
6607 Sky UK Limited	Mansfield	United Kingdom	90.201.206.235	England	NG18
6607 Sky UK Limited	Halesowen	United Kingdom	90.196.196.51	England	B63
6607 Sky UK Limited	Rotherham	United Kingdom	90.196.150.29	England	S65
6607 Sky UK Limited	Liverpool	United Kingdom	90.195.85.110	England	L3
6249 Telia Eesti AS	Tallinn	Estonia	90.191.212.239	Harjumaa	
62091 PJSC Rostelecom	Abakan	Russia	90.189.107.177	Respublika Khakasiya	65500
6830 Liberty Global Operations B.V.	Warsaw	Poland	89.74.32.142	Mazovia	03-04
6830 Liberty Global Operations B.V.	Warsaw	Poland	89.71.231.55	Mazovia	00-21
6830 Liberty Global Operations B.V.	Warsaw	Poland	89.65.28.188	Mazovia	00-20
62880 Information Technology Company (ITC)	Tehran	Iran	89.37.153.1	Ostan-e Tehran	
621021 Multimedia Polska	Gorzów Wielkopolski	Poland	89.228.146.86	Lubusz	66-40

6730 Sunrise Communications AG	Tagelswangen	Switzerland	89.217.153.44	Zurich	8317
64383 Teloise	Lachapelle-aux-Pots	France	89.170.82.228	Hauts-de-France	60650
5747 EWE-Tel GmbH	Osnabrück	Germany	89.166.228.158	Lower Saxony	49084
3046 ISKON INTERNET za informatiku i komunikacije	Osijek	Croatia	89.164.185.249	Osjecko-Baranjska Zupanija	31000
4961 myLoc managed IT	Dusseldorf (Stadtbezirke 06)	Germany	89.163.147.32	North Rhine-Westphalia	
805 Telefonica Germany	Mannheim	Germany	89.14.120.3	Baden-Württemberg Region	68163
2479 Orange Espagne SA	Salamanca	Spain	89.130.63.107	Castille and León	37003
2119 Telenor Norge AS	Naersnes	Norway	88.91.75.171	Buskerud	3478
2119 Telenor Norge AS	Trondheim	Norway	88.90.255.173	Sor-Trondelag Fylke	7029
47680 EOBO Ltd T/A BBnet	Tralee	Ireland	88.87.176.60	Munster	V92
2119 Telenor Norge AS	Påarp	Sweden	88.83.155.4	Skåne	
3209 Vodafone GmbH	Frechen	Germany	88.76.45.174	North Rhine-Westphalia	50226
3209 Vodafone GmbH	Frankfurt am Main	Germany	88.76.24.143	Hesse	
3209 Vodafone GmbH	Burg bei Magdeburg	Germany	88.73.129.59	Saxony-Anhalt	39288
3209 Vodafone GmbH	Munich	Germany	88.72.225.211	Bavaria	80798
3209 Vodafone GmbH	Frankfurt am Main	Germany	88.72.129.217	Hesse	
3209 Vodafone GmbH	Bremen	Germany	88.71.43.161	Bremen	28217
3209 Vodafone GmbH	Hanover	Germany	88.71.141.99	Lower Saxony	30167
3209 Vodafone GmbH	Frankfurt am Main	Germany	88.69.92.50	Hesse	
3209 Vodafone GmbH	Frankfurt am Main	Germany	88.68.253.184	Hesse	60599
3209 Vodafone GmbH	Gelsenkirchen	Germany	88.66.77.202	North Rhine-Westphalia	45891
3209 Vodafone GmbH	Stuttgart	Germany	88.64.86.157	Baden-Württemberg Region	70173
3352 Telefonica De Espana	Valladolid	Spain	88.4.60.212	Castille and León	47004
3352 Telefonica De Espana	Valladolid	Spain	88.4.189.192	Castille and León	47002
3352 Telefonica De Espana	Campos	Spain	88.3.156.198	Balearic Islands	07630
3352 Telefonica De Espana	Elche	Spain	88.3.128.130	Valencia	03203
3352 Telefonica De Espana	Lleida	Spain	88.28.60.142	Catalonia	25001
3352 Telefonica De Espana	Majadahonda	Spain	88.22.171.201	Madrid	28220
3352 Telefonica De Espana	Valencia	Spain	88.21.128.98	Valencia	46007
3352 Telefonica De Espana	Barakaldo	Spain	88.20.40.236	Basque Country	48901
2322 Free SAS	Paris	France	88.190.244.215	Île-de-France	75011
2322 Free SAS	Alfortville	France	88.189.31.42	Île-de-France	94140
2322 Free SAS	Voiron	France	88.187.9.66	Auvergne-Rhone-Alpes	38500
2322 Free SAS	Riom	France	88.187.60.19	Auvergne-Rhone-Alpes	63200
2322 Free SAS	Saint-Philbert-de-Grand-Lieu	France	88.184.247.162	Pays de la Loire	44310
2322 Free SAS	Breuil-Bois-Robert	France	88.180.208.66	Île-de-France	78930
2322 Free SAS	Nemours	France	88.176.85.73	Île-de-France	77140

2322 Free SAS	Montevrain	France	88.170.134.158	Île-de-France	77144
2322 Free SAS	Reims	France	88.164.110.63	Grand-Est	51100
830 Liberty Global erations B.V.	Vejprnice	Czechia	88.146.218.131	Plzensky kraj	330 27
228 SFR SA	Montauroux	France	88.136.26.182	Provence-Alpes-Côte d'Azur	83440
2611 R-KOM Regensburger ekommunikationsgesellschaft H & Co. KG	Regensburg	Germany	88.133.191.79	Bavaria	93053
2322 Free SAS	Rognonas	France	88.121.189.77	Provence-Alpes-Côte d'Azur	13870
2322 Free SAS	Dieppe	France	88.120.73.28	Normandy	76200
719 Elisa Oyj	Muurame	Finland	88.115.177.86	Central Finland	40950
719 Elisa Oyj	Kangasala	Finland	88.115.124.245	Pirkanmaa	36220
352 Telefonica De Espana	Alicante	Spain	88.10.234.27	Valencia	03002
352 Telefonica De Espana	Santa Cruz de Tenerife	Spain	88.10.106.183	Canary Islands	38001
6086 DNA Oyj	Pori	Finland	87.92.197.211	Satakunta	28100
269 Telecom Italia	Gorizia	Italy	87.8.63.242	Friuli Venezia Giulia	34170
8 Massachusetts Institute of hnology	Brussels	Belgium	87.67.200.99	Brussels Capital	1080
292 Tele Danmark	Køge	Denmark	87.49.62.201	Zealand	4600
269 Telecom Italia	Milan	Italy	87.4.47.68	Lombardy	20125
213 HEAnet Limited	Cappawhite	Ireland	87.35.19.179	Munster	
0910 SIA Baltcom	Riga	Latvia	87.226.100.206	Riga	
2479 Orange Espagne SA	Alcobendas	Spain	87.223.164.245	Madrid	
2715 Orange Espagne U.	Marbella	Spain	87.220.75.124	Andalusia	29600
2715 Orange Espagne U.	Málaga	Spain	87.219.190.108	Andalusia	29017
2715 Orange Espagne U.	Alcobendas	Spain	87.218.227.244	Madrid	
2715 Orange Espagne U.	Lucena	Spain	87.218.171.45	Andalusia	14900
830 Liberty Global erations B.V.	Ciechanów	Poland	87.206.11.11	Mazovia	06-40
320 Deutsche Telekom AG	Wolfen	Germany	87.189.95.92	Saxony-Anhalt	06766
320 Deutsche Telekom AG	Eisenach	Germany	87.189.196.85	Thuringia	99817
320 Deutsche Telekom AG	Kleinheubach	Germany	87.151.22.31	Bavaria	63924
269 Telecom Italia	Venice	Italy	87.15.33.112	Veneto	30125
269 Telecom Italia	Grugliasco	Italy	87.14.202.54	Piedmont	10095
320 Deutsche Telekom AG	Muhlacker	Germany	87.139.242.147	Baden-Württemberg Region	75417
4577 SKAT TV Ltd.	Burgas	Bulgaria	87.121.87.43	Burgas	8000
269 Telecom Italia	Pisa	Italy	87.10.21.23	Tuscany	56121

5384 Emirates Telecommunications Corporation	Ras al-Khaimah	United Arab Emirates	86.99.198.65	Ra's al Khaymah	
5089 Virgin Media Limited	Nottingham	United Kingdom	86.7.142.42	England	NG5
5089 Virgin Media Limited	Bolton	United Kingdom	86.5.9.222	England	BL1
5089 Virgin Media Limited	Orpington	United Kingdom	86.28.228.245	England	BR5
5089 Virgin Media Limited	Leeds	United Kingdom	86.27.236.8	England	LS12
5089 Virgin Media Limited	Stoke-on-Trent	United Kingdom	86.25.3.1	England	ST4
856 British Telecommunications PLC	Chertsey	United Kingdom	86.170.202.141	England	KT16
5089 Virgin Media Limited	Wokingham	United Kingdom	86.17.56.180	England	RG40
856 British Telecommunications PLC	Bury	United Kingdom	86.140.139.249	England	BL9
856 British Telecommunications PLC	Dorking	United Kingdom	86.128.146.86	England	RH5
3101 ennit server GmbH	Bordesholm	Germany	86.103.133.60	Schleswig-Holstein	24582
610 O2 Czech Republic,	Pilsen	Czechia	85.71.149.102	Plzensky kraj	318 00
2479 Orange Espagne SA	Barcelona	Spain	85.58.166.111	Catalonia	08001
2479 Orange Espagne SA	Torre Vieja	Spain	85.53.36.137	Valencia	03184
2479 Orange Espagne SA	Madrid	Spain	85.51.87.49	Madrid	28020
3303 Swisscom (Switzerland)	Zurich	Switzerland	85.5.134.89	Zurich	8037
243 Servicos De Comunicacoes E Multimedia	Almada	Portugal	85.246.148.67	Setúbal	2800-0
243 Servicos De Comunicacoes E Multimedia	Faro	Portugal	85.245.208.137	Faro	8000-0
243 Servicos De Comunicacoes E Multimedia	Povoa de Santa Iria	Portugal	85.245.133.15	Lisbon	2625-0
243 Servicos De Comunicacoes E Multimedia	Massama	Portugal	85.243.181.3	Lisbon	2640-0
0145 EWE-Tel GmbH	Bremerhaven	Germany	85.16.173.88	Bremen	27580
5390 Euronet Communications B.V.	Amsterdam	Netherlands	85.149.52.96	North Holland	1065
5390 Euronet Communications B.V.	Hilversum	Netherlands	85.148.91.79	North Holland	
739 Vodafone Ono, S.A.	Mairena del Aljarafe	Spain	85.136.186.146	Andalusia	41927
5967 Nazwa.pl Sp.z.o.o.	Krakow (Grzegórzki)	Poland	85.128.228.60	Lesser Poland Voivodeship	

4940 Hetzner Online GmbH	Nuremberg	Germany	85.10.246.201	Bavaria	
5557 SFR SA	Paris	France	84.96.184.231	Île-de-France	
3209 Vodafone GmbH	Bad Kreuznach	Germany	84.62.225.99	Rheinland-Pfalz	55543
641 LLC Nauka-Svyaz	Svyaz'	Russia	84.47.191.110	Moscow Oblast	
143 Ziggo	Vught	Netherlands	84.27.30.243	North Brabant	5261
2578 SIA Latt telecom	Ogre	Latvia	84.237.227.240	Ogre	
0845 DIGI Tavkozlesi es Algaltato Kft.	Tatabánya	Hungary	84.236.93.148	Komárom-Esztergom	2800
9119 ServiHosting works S.L.	Murcia	Spain	84.232.84.73	Murcia	30161
730 Sunrise Communications AG	Lucerne	Switzerland	84.227.2.80	Lucerne	6005
21040 Datapark AG	Flawil	Switzerland	84.20.60.226	Saint Gallen	9230
483 Magyar Telekom plc.	Biatorbagy	Hungary	84.2.73.165	Pest megye	2051
848 Telenet BVBA	Sint-Truiden	Belgium	84.193.85.143	Flanders	3800
320 Deutsche Telekom AG	Berlin	Germany	84.191.129.73	Land Berlin	12529
320 Deutsche Telekom AG	Winnenden	Germany	84.164.4.187	Baden-Württemberg Region	71364
320 Deutsche Telekom AG	Cologne	Germany	84.161.240.54	North Rhine-Westphalia	50931
320 Deutsche Telekom AG	Torgau	Germany	84.143.205.56	Saxony	04860
320 Deutsche Telekom AG	Saterland	Germany	84.129.7.223	Lower Saxony	26683
739 Vodafone Ono, S.A.	Alaquas	Spain	84.126.220.14	Valencia	46970
2357 Vodafone Spain	Valencia	Spain	84.123.102.140	Valencia	46001
5557 SFR SA	Poitiers	France	84.103.153.182	Nouvelle-Aquitaine	86000
830 Liberty Global erations B.V.	Warsaw	Poland	84.10.46.174	Mazovia	00-20
143 Ziggo	Utrecht	Netherlands	83.85.192.3	Provincie Utrecht	3527
303 Swisscom (Switzerland)	Hinterkappelen	Switzerland	83.79.138.14	Bern	3032
303 Swisscom (Switzerland)	Henau	Switzerland	83.78.30.202	Saint Gallen	9247
303 Swisscom (Switzerland)	Alpnach	Switzerland	83.78.159.174	Obwalden	6053
352 Telefonica De Espana	Igualada	Spain	83.60.30.11	Catalonia	08700
352 Telefonica De Espana	Benidorm	Spain	83.56.224.75	Valencia	03502
352 Telefonica De Espana	Zamora	Spain	83.51.233.246	Castille and León	49003
352 Telefonica De Espana	A Coruña	Spain	83.35.189.189	Galicia	15177
352 Telefonica De Espana	Málaga	Spain	83.35.181.73	Andalusia	29004
352 Telefonica De Espana	Cadiz	Spain	83.34.152.56	Andalusia	11005
617 Orange Polska Spolka z ograniczona odpowiedzialnoscia	Warsaw	Poland	83.31.194.220	Mazovia	00-20
9651 Com Hem AB	Nynäshamn	Sweden	83.254.220.61	Stockholm	149 02
9651 Com Hem AB	Borås	Sweden	83.252.8.246	Västra Götaland	501 1
9651 Com Hem AB	Haegersten	Sweden	83.252.194.63	Stockholm	126 0

23265 Xs4all Internet BV	Bussum	Netherlands	83.162.206.185	North Holland	1401
23222 Free SAS	Marseille	France	83.156.53.227	Provence-Alpes-Côte d'Azur	13014
23257 Vodafone Spain	Zaragoza	Spain	83.138.246.134	Aragon	50018
23201 Invitech Megoldasok	Budapest (District XIII.)	Hungary	83.137.153.85	Budapest	
23290 Kcom	Hull	United Kingdom	83.100.169.148	England	HU2
23209 Vodafone GmbH	Stuttgart	Germany	82.83.181.43	Baden-Württemberg Region	70173
23222 Free SAS	Villejuif	France	82.67.246.212	Île-de-France	94800
23269 Telecom Italia	Greve in Chianti	Italy	82.61.33.160	Tuscany	50022
23269 Telecom Italia	Brescia	Italy	82.58.26.188	Lombardy	25125
23269 Telecom Italia	Romagnano Sesia	Italy	82.48.206.158	Piedmont	28078
25089 Virgin Media Limited	Bristol	United Kingdom	82.46.65.197	England	BS1
25089 Virgin Media Limited	Birmingham	United Kingdom	82.39.124.249	England	B15
25089 Virgin Media Limited	Tottenham	United Kingdom	82.37.9.79	England	N17
25089 Virgin Media Limited	Solihull	United Kingdom	82.35.78.48	England	B90
25089 Virgin Media Limited	Motherwell	United Kingdom	82.32.165.113	Scotland	ML1
25089 Virgin Media Limited	Lincoln	United Kingdom	82.31.222.26	England	LN5
25089 Virgin Media Limited	Ipswich	United Kingdom	82.30.66.228	England	IP4
23222 Free SAS	Rennes	France	82.251.77.253	Brittany	35000
23222 Free SAS	Paris	France	82.251.60.10	Île-de-France	75014
23222 Free SAS	Nice	France	82.246.157.25	Provence-Alpes-Côte d'Azur	06100
23222 Free SAS	Sartrouville	France	82.237.59.85	Île-de-France	78500
23222 Free SAS	Marseille	France	82.237.124.162	Provence-Alpes-Côte d'Azur	13008
23222 Free SAS	Nice	France	82.234.176.201	Provence-Alpes-Côte d'Azur	06000
23222 Free SAS	Paris	France	82.234.128.53	Île-de-France	75017
23222 Free SAS	Évry	France	82.227.13.188	Île-de-France	91000
23222 Free SAS	Drancy	France	82.226.2.9	Île-de-France	93700
23222 Free SAS	Malakoff	France	82.226.127.77	Île-de-France	92240
23292 Brutele SC	Herstal	Belgium	82.212.165.1	Wallonia	4040
21127 JSC Zap-Sib sTeleCom, Novosibirsk	Omsk	Russia	82.200.82.170	Omskaya Oblast'	64400
25089 Virgin Media Limited	Bishopton	United Kingdom	82.18.86.75	Scotland	PA7

0089 Virgin Media Limited	Camberley	United Kingdom	82.18.208.174	England	GU15
03127 Tele 2 Nederland B.V.	Heerhugowaard	Netherlands	82.173.54.126	North Holland	1703
03127 Tele 2 Nederland B.V.	Amsterdam	Netherlands	82.173.130.139	North Holland	1073
0089 Virgin Media Limited	Camberley	United Kingdom	82.15.156.216	England	GU15
0089 Virgin Media Limited	Gateshead	United Kingdom	82.0.245.156	England	NE9
03352 Telefonica De Espana	Madrid	Spain	81.45.17.47	Madrid	
098203 RouteLabel V.O.F.	Amsterdam	Netherlands	81.4.106.219	North Holland	
03301 Telia Company AB	Nynaeshamn	Sweden	81.229.144.234	Stockholm	149 02
02874 Fastweb	Castel San Pietro Terme	Italy	81.208.42.101	Emilia-Romagna	40024
06739 Vodafone Ono, S.A.	Alicante	Spain	81.203.135.70	Valencia	03003
02116 Broadnet AS	Fevik	Norway	81.191.46.193	Aust-Agder	4870
06220 Civil Engineering University of Bucharest	Bucharest	Romania	81.180.19.64	Bucuresti	05001
06724 Strato AG	Berlin	Germany	81.169.147.46	Land Berlin	12529
0089 Virgin Media Limited	Birmingham	United Kingdom	81.101.8.40	England	B8
02301 Invitech Megoldasok	Hodmezovasarhely	Hungary	81.0.123.120	Csongrad megye	6800
06774 Belgacom International Priority Services SA	Brussels	Belgium	80.84.31.183	Brussels Capital	
04629 Resurs-Svyaz Ltd	Oryol	Russia	80.76.185.42	Orlovskaya Oblast'	30200
0292 Tele Danmark	Taastrup	Denmark	80.63.96.220	Capital Region	2630
03352 Telefonica De Espana	Puigcerdà	Spain	80.33.89.158	Catalonia	17520
03352 Telefonica De Espana	Jaén	Spain	80.29.8.72	Andalusia	23001
024680 JS Company npnet	Moscow	Russia	80.243.7.101	Moscow	12457
021502 SFR SA	Paris	France	80.236.75.166	Île-de-France	75019
0871 British Telecommunications PLC	Lauder	United Kingdom	80.229.33.58	Scotland	TD2
02759 Telia Finland Oyj	Turku	Finland	80.222.183.60	Varsinais-Suomi	
02119 Telenor Norge AS	Skedsmokorset	Norway	80.212.117.26	Akershus	2023
05598 QSC AG	Munich	Germany	80.190.145.134	Bavaria	80807
0269 Telecom Italia	Milan	Italy	80.180.42.1	Lombardy	20131
0269 Telecom Italia	Canizzano	Italy	80.180.114.247	Veneto	31100
0292 Tele Danmark	Aarhus	Denmark	80.164.27.104	Central Jutland	8000
0292 Tele Danmark	Odense	Denmark	80.163.42.100	South Denmark	5250
03320 Deutsche Telekom AG	Warstein	Germany	80.146.6.21	North Rhine-Westphalia	59581
04447 A1 Telekom Austria AG	Obertrum am See	Austria	80.122.246.242	Salzburg	5162
04447 A1 Telekom Austria AG	Berndorf	Austria	80.121.185.198	Lower Austria	2560
05557 SFR SA	Yerres	France	80.119.50.17	Île-de-France	91330

3356 Level 3 Communications, Inc.	Newark	United States	8.43.0.75	New Jersey	
3356 Level 3 Communications, Inc.	Wewahitchka	United States	8.26.245.130	Florida	32465
3557 SFR SA	Valdoie	France	79.84.93.189	Bourgogne-Franche-Comt e	90300
3557 SFR SA	Chambéry	France	79.83.182.241	Auvergne-Rhone-Alpes	73000
3557 SFR SA	La Ferte-sous-Jouarre	France	79.80.83.101	Île-de-France	77260
0105 Tiscali UK Limited	Cricklewood	United Kingdom	79.73.242.89	England	NW2
3269 Telecom Italia	Montignoso	Italy	79.61.146.13	Tuscany	54038
3269 Telecom Italia	Aversa	Italy	79.56.175.40	Campania	81031
3269 Telecom Italia	Rome	Italy	79.55.224.195	Latium	00148
3269 Telecom Italia	Somma Vesuviana	Italy	79.55.155.211	Campania	80049
3269 Telecom Italia	Turin	Italy	79.41.183.248	Piedmont	10123
3269 Telecom Italia	Rende	Italy	79.37.115.55	Calabria	87036
3269 Telecom Italia	Acerra	Italy	79.36.16.106	Campania	80011
3269 Telecom Italia	Milan	Italy	79.31.133.229	Lombardy	20127
3320 Deutsche Telekom AG	Kaiserslautern	Germany	79.246.254.11	Rheinland-Pfalz	67663
3320 Deutsche Telekom AG	Braunschweig	Germany	79.242.233.152	Lower Saxony	38102
3320 Deutsche Telekom AG	Braunschweig	Germany	79.242.212.113	Lower Saxony	38106
3320 Deutsche Telekom AG	Lohne	Germany	79.235.47.252	Lower Saxony	49393
3320 Deutsche Telekom AG	Bruchsal	Germany	79.231.222.128	Baden-Württemberg Region	76646
3320 Deutsche Telekom AG	Oelde	Germany	79.229.253.95	North Rhine-Westphalia	59302
3320 Deutsche Telekom AG	Munich	Germany	79.215.235.122	Bavaria	80539
3320 Deutsche Telekom AG	Kaiserslautern	Germany	79.212.185.70	Rheinland-Pfalz	67663
3320 Deutsche Telekom AG	Ingolstadt	Germany	79.211.48.246	Bavaria	85055
3320 Deutsche Telekom AG	Bremen	Germany	79.203.219.222	Bremen	28357
3320 Deutsche Telekom AG	Frankfurt am Main	Germany	79.195.43.60	Hesse	
3320 Deutsche Telekom AG	Barth	Germany	79.192.56.44	Mecklenburg-Vorpommern	18356
6617 Orange Polska Spolka z ograniczona odpowiedzialnoscia	Opole	Poland	79.189.29.180	Opole Voivodeship	45-030
39834 INEA S.A.	Poznan	Poland	79.173.20.35	Greater Poland	61-510
3329 Vodafone-panafon Telecommunications Company SA	Athens	Greece	79.167.98.194	Attica	
3352 Telefonica De Espana	Berga	Spain	79.159.224.16	Catalonia	08600
3352 Telefonica De Espana	Murcia	Spain	79.157.106.78	Murcia	30004
3352 Telefonica De Espana	Madrid	Spain	79.153.171.61	Madrid	
3352 Telefonica De Espana	Molina de Segura	Spain	79.151.244.1	Murcia	30500
3352 Telefonica De Espana	Albacete	Spain	79.147.26.35	Castille-La Mancha	02003
3352 Telefonica De Espana	Gijón	Spain	79.147.199.97	Principality of Asturias	33200

3352 Telefonica De Espana	Algeciras	Spain	79.145.186.32	Andalusia	11206
33763 Haut-Rhin Telecom	Soultzmatt	France	79.132.44.148	Grand-Est	68570
3269 Telecom Italia	Villaricca	Italy	79.10.170.3	Campania	80010
3483 Magyar Telekom plc.	Pilisvorosvar	Hungary	78.92.25.124	Pest megye	2084
32389 PJSC Rostelecom	Izhevsk	Russia	78.85.23.213	Udmurtskaya Respublika	42606
3805 Telefonica Germany	Hamburg	Germany	78.52.212.129	Hamburg	22089
3805 Telefonica Germany	Hamburg	Germany	78.51.47.70	Hamburg	20095
3805 Telefonica Germany	Remscheid	Germany	78.49.5.34	North Rhine-Westphalia	42855
3805 Telefonica Germany	Dortmund	Germany	78.48.80.95	North Rhine-Westphalia	44357
34940 Hetzner Online GmbH	Bonn	Germany	78.47.120.192	North Rhine-Westphalia	
3968 BT Italia S.p.A.	Rome	Italy	78.4.41.178	Latium	
32389 PJSC Rostelecom	Syktyvkar	Russia	78.36.105.209	Komi	16703
3422 NetCologne GmbH	Bergisch Gladbach	Germany	78.35.128.239	North Rhine-Westphalia	51465
3232 Free SAS	Bischoffsheim	France	78.251.230.1	Grand-Est	67870
3232 Free SAS	Annecy	France	78.241.7.127	Auvergne-Rhone-Alpes	74000
3232 Free SAS	Aubervilliers	France	78.234.88.239	Île-de-France	93300
3232 Free SAS	Mirecourt	France	78.233.112.118	Grand-Est	88500
3232 Free SAS	Saint-Max	France	78.230.222.212	Grand-Est	54130
3232 Free SAS	Balaruc-les-Bains	France	78.222.232.143	Occitanie	34540
3232 Free SAS	Pont-du-Chateau	France	78.217.202.49	Auvergne-Rhone-Alpes	63430
3232 Free SAS	Lons-le-Saunier	France	78.199.50.119	Bourgogne-Franche-Comt e	39000
3232 Free SAS	Troyes	France	78.199.144.169	Grand-Est	10000
3232 Free SAS	Amfreville-la-Campagne	France	78.195.89.31	Normandy	27370
3232 Free SAS	Boulogne-Billancourt	France	78.194.154.8	Île-de-France	92100
3830 Liberty Global erations B.V.	Budapest	Hungary	78.139.63.53	Budapest	1012
3228 SFR SA	Puget-Theniers	France	78.123.23.54	Provence-Alpes-Côte d'Azur	06260
3612 Tiscali SpA	Trieste	Italy	78.12.169.76	Friuli Venezia Giulia	34127
3228 SFR SA	Milhaud	France	78.118.174.39	Occitanie	30540
3228 SFR SA	Famars	France	78.112.133.5	Hauts-de-France	59300
3830 Liberty Global erations B.V.	Kladno	Czechia	78.102.132.85	Central Bohemia	272 0
3089 Virgin Media Limited	Walsall	United Kingdom	77.99.108.73	England	WS3
34962 Telesystems of aine LLC	Kiev	Ukraine	77.91.146.33	Kyiv City	02094
3805 Telefonica Germany	Wetter (Ruhr)	Germany	77.9.119.244	North Rhine-Westphalia	58300
32610 PJSC Rostelecom	Moscow	Russia	77.37.241.22	Moscow	11746
3821 Makedonski Telekom Skopje	Ohrid	Macedonia	77.29.78.251	Ohrid	6000

6830 Liberty Global erations B.V.	Almere Stad	Netherlands	77.250.24.117	Provincie Flevoland	1311
6830 Liberty Global erations B.V.	Dronten	Netherlands	77.249.71.162	Provincie Flevoland	8251
6830 Liberty Global erations B.V.	Lichtenvoorde	Netherlands	77.249.60.226	Provincie Gelderland	7131
31334 Vodafone Kabel utschland GmbH	Neustadt am Ruebenberge	Germany	77.23.67.72	Lower Saxony	31535
31334 Vodafone Kabel utschland GmbH	Aurich	Germany	77.23.143.135	Lower Saxony	26605
5557 SFR SA	Lyon	France	77.203.230.12	Auvergne-Rhone-Alpes	69008
31334 Vodafone Kabel utschland GmbH	Bad Muender am Deister	Germany	77.20.41.64	Lower Saxony	31848
6805 Telefonica Germany	Hamburg	Germany	77.186.70.105	Hamburg	20144
6805 Telefonica Germany	Dieburg	Germany	77.178.120.163	Hesse	64807
6805 Telefonica Germany	Darmstadt	Germany	77.176.38.42	Hesse	64285
6805 Telefonica Germany	Oftersheim	Germany	77.176.229.131	Baden-Württemberg Region	68723
6805 Telefonica Germany	Bruchsal	Germany	77.176.138.41	Baden-Württemberg Region	76646
136 KPN B.V.	Capelle aan den IJssel	Netherlands	77.172.10.111	South Holland	2902
5557 SFR SA	Paris	France	77.151.48.54	Île-de-France	75018
5557 SFR SA	Saint-Thiebault	France	77.135.74.87	Grand-Est	52150
5557 SFR SA	Sainte-Mere-Eglise	France	77.130.137.248	Normandy	50480
25229 Volia	Kharkiv	Ukraine	77.122.96.209	Kharkivs'ka Oblast'	61036
732 OJSC Comcor	Moscow	Russia	77.108.83.169	Moscow	10212
5089 Virgin Media Limited	Telford	United Kingdom	77.103.64.94	England	TF8
5089 Virgin Media Limited	Falkirk	United Kingdom	77.100.53.98	Scotland	FK2
7922 Comcast Cable munications, LLC	North Wales	United States	76.98.2.23	Pennsylvania	19454
20001 Time Warner Cable rnet LLC	Los Angeles	United States	76.90.145.141	California	90028
25636 ONTel, Inc.	Cochrane	Canada	76.8.119.18	Ontario	
7922 Comcast Cable munications, LLC	Lombard	United States	76.29.85.13	Illinois	60148
7922 Comcast Cable munications, LLC	Clinton	United States	76.24.184.136	Connecticut	06413
0796 Time Warner Cable rnet LLC	Mansfield	United States	76.188.11.1	Ohio	44903
20001 Time Warner Cable rnet LLC	Inglewood	United States	76.175.141.52	California	90301
7922 Comcast Cable munications, LLC	Carmel	United States	76.127.160.87	New York	10512
7922 Comcast Cable munications, LLC	San Rafael	United States	76.126.131.20	California	94901

7922 Comcast Cable Communications, LLC	Narberth	United States	76.124.104.26	Pennsylvania	19072
7922 Comcast Cable Communications, LLC	Jacksonville	United States	76.122.63.120	Florida	32225
7922 Comcast Cable Communications, LLC	Grand Rapids	United States	76.112.196.198	Michigan	49508
7922 Comcast Cable Communications, LLC	Jackson	United States	76.107.160.148	Mississippi	39206
7922 Comcast Cable Communications, LLC	San Francisco	United States	76.103.180.14	California	94112
7029 Windstream Communications LLC	Conway	United States	75.90.47.4	Arkansas	72032
1427 Time Warner Cable Internet LLC	Overland Park	United States	75.87.166.242	Kansas	66210
1426 Time Warner Cable Internet LLC	Huntersville	United States	75.190.192.133	North Carolina	28078
1426 Time Warner Cable Internet LLC	High Point	United States	75.183.18.212	North Carolina	27265
1426 Time Warner Cable Internet LLC	Charlotte	United States	75.181.89.93	North Carolina	28203
209 Qwest Communications Company, LLC	Colorado Springs	United States	75.173.227.33	Colorado	80918
209 Qwest Communications Company, LLC	Eugene	United States	75.170.57.83	Oregon	97402
209 Qwest Communications Company, LLC	Omaha	United States	75.170.103.100	Nebraska	68127
209 Qwest Communications Company, LLC	Howard	United States	75.165.83.235	Pennsylvania	16841
209 Qwest Communications Company, LLC	Fountain	United States	75.163.221.56	Colorado	80817
7922 Comcast Cable Communications, LLC	Minneapolis	United States	75.149.158.165	Minnesota	55423
20115 Charter Communications	Belleville	United States	75.132.192.186	Illinois	62221
22561 CenturyTel Internet Holdings, Inc.	Tomah	United States	75.121.149.17	Wisconsin	54660
209 Qwest Communications Company, LLC	Dothan	United States	75.120.78.137	Alabama	36301
209 Qwest Communications Company, LLC	Austin	United States	75.120.145.246	Arkansas	72007
701 MCI Communications Services, Inc. d/b/a Verizon Business	Sewickley	United States	74.98.240.180	Pennsylvania	15143
7011 Frontier Communications of America,	Rhineland	United States	74.47.200.185	Wisconsin	54501
3359 North Texas GigaPOP	Lubbock	United States	74.200.189.99	Texas	79490

0796 Time Warner Cable Internet LLC	Louisville	United States	74.131.185.81	Kentucky	40228
0701 MCI Communications Services, Inc. d/b/a Verizon Business	Toms River	United States	74.105.113.241	New Jersey	08753
0701 MCI Communications Services, Inc. d/b/a Verizon Business	Rutherford	United States	74.102.104.201	New Jersey	07070
0922 Comcast Cable Communications, LLC	Seattle	United States	73.97.254.83	Washington	98125
0922 Comcast Cable Communications, LLC	Aurora	United States	73.95.108.104	Colorado	80014
0922 Comcast Cable Communications, LLC	Memphis	United States	73.91.204.48	Tennessee	38127
0922 Comcast Cable Communications, LLC	Aurora	United States	73.75.7.126	Illinois	60502
0922 Comcast Cable Communications, LLC	Chicago	United States	73.75.219.227	Illinois	60611
0922 Comcast Cable Communications, LLC	Algonquin	United States	73.75.201.239	Illinois	60102
0922 Comcast Cable Communications, LLC	Fremont	United States	73.71.25.102	California	94555
0922 Comcast Cable Communications, LLC	Santa Rosa	United States	73.70.58.168	California	95409
0922 Comcast Cable Communications, LLC	Peachtree City	United States	73.7.67.9	Georgia	30269
0922 Comcast Cable Communications, LLC	Highlands	United States	73.6.193.35	Texas	77562
0922 Comcast Cable Communications, LLC	Arlington	United States	73.47.92.182	Massachusetts	02474
0922 Comcast Cable Communications, LLC	Stone Mountain	United States	73.43.73.16	Georgia	30088
0922 Comcast Cable Communications, LLC	Houston	United States	73.32.80.63	Texas	77049
0922 Comcast Cable Communications, LLC	Peoria	United States	73.247.170.238	Illinois	61614
0922 Comcast Cable Communications, LLC	Chicago	United States	73.246.158.107	Illinois	60629
0922 Comcast Cable Communications, LLC	Saint Paul	United States	73.242.63.69	Minnesota	55125
0922 Comcast Cable Communications, LLC	Atwater	United States	73.235.230.184	California	95301
0922 Comcast Cable Communications, LLC	Nashua	United States	73.234.0.196	New Hampshire	03062
0922 Comcast Cable Communications, LLC	Houston	United States	73.232.108.133	Texas	77079
0922 Comcast Cable Communications, LLC	Aptos	United States	73.231.68.57	California	95003

7922 Comcast Cable Communications, LLC	Denver	United States	73.229.126.238	Colorado	80203
7922 Comcast Cable Communications, LLC	Danville	United States	73.216.245.41	Virginia	24541
7922 Comcast Cable Communications, LLC	Greensburg	United States	73.214.81.114	Pennsylvania	15601
7922 Comcast Cable Communications, LLC	Naperville	United States	73.210.33.37	Illinois	60563
7922 Comcast Cable Communications, LLC	Millville	United States	73.199.90.210	New Jersey	08332
7922 Comcast Cable Communications, LLC	Hillsborough	United States	73.194.97.6	New Jersey	08844
7922 Comcast Cable Communications, LLC	Philadelphia	United States	73.188.235.229	Pennsylvania	19136
7922 Comcast Cable Communications, LLC	Wilmington	United States	73.165.139.162	Delaware	19808
7922 Comcast Cable Communications, LLC	Guilford	United States	73.16.93.45	Connecticut	06437
7922 Comcast Cable Communications, LLC	Cape Coral	United States	73.156.232.250	Florida	33914
7922 Comcast Cable Communications, LLC	Fresno	United States	73.155.52.117	Texas	77545
7922 Comcast Cable Communications, LLC	Walnut Creek	United States	73.15.78.27	California	94596
7922 Comcast Cable Communications, LLC	San Jose	United States	73.15.151.115	California	95133
7922 Comcast Cable Communications, LLC	Weare	United States	73.149.137.146	New Hampshire	03281
7922 Comcast Cable Communications, LLC	Washington	United States	73.135.73.18	District of Columbia	20007
7922 Comcast Cable Communications, LLC	Pompano Beach	United States	73.124.174.5	Florida	33069
7922 Comcast Cable Communications, LLC	Bedford	United States	73.119.153.28	New Hampshire	03110
7922 Comcast Cable Communications, LLC	Houston	United States	73.115.171.201	Texas	77077
7922 Comcast Cable Communications, LLC	Orange Park	United States	73.104.17.218	Florida	32073
7922 Comcast Cable Communications, LLC	Palm Beach Gardens	United States	73.1.46.22	Florida	33418
701 MCI Communications Services, Inc. d/b/a Verizon Business	Harrison	United States	72.79.67.77	New Jersey	07029
701 MCI Communications Services, Inc. d/b/a Verizon Business	Malvern	United States	72.78.184.224	Pennsylvania	19355
1351 Time Warner Cable Internet LLC	Buffalo	United States	72.45.228.97	New York	14209

33070 Rackspace Ltd.	San Antonio	United States	72.3.214.162	Texas	78218
252 CyrusOne LLC	Carrollton (Northwest Carrollton)	United States	72.250.206.121	Texas	
36149 Hawaiian Telcom Services Company, Inc.	Hilo	United States	72.234.108.245	Hawaii	96720
22773 Cox Communications	Las Vegas	United States	72.193.238.82	Nevada	89121
1427 Time Warner Cable Internet LLC	El Paso	United States	72.183.193.26	Texas	79912
1427 Time Warner Cable Internet LLC	Irving	United States	72.182.210.125	Texas	75062
25853 Ellijay Telephone Company	Ellijay	United States	72.18.104.214	Georgia	30540
1427 Time Warner Cable Internet LLC	Lee's Summit	United States	72.129.225.159	Missouri	64081
20115 Charter Communications	Eau Claire	United States	71.95.92.117	Wisconsin	54701
20115 Charter Communications	Haltom City	United States	71.84.151.107	Texas	76117
20115 Charter Communications	Simpsonville	United States	71.81.113.168	South Carolina	29681
1426 Time Warner Cable Internet LLC	Lexington	United States	71.76.246.211	North Carolina	27295
0796 Time Warner Cable Internet LLC	Columbus	United States	71.66.247.66	Ohio	43230
33363 BRIGHT HOUSE NETWORKS, LLC	Birmingham	United States	71.45.88.234	Alabama	35222
7029 Windstream Communications LLC	Cornelia	United States	71.30.13.216	Georgia	30531
701 MCI Communications Services, Inc. d/b/a Verizon Business	Philadelphia	United States	71.246.25.81	Pennsylvania	19111
7922 Comcast Cable Communications, LLC	Portsmouth	United States	71.235.15.119	New Hampshire	03801
7922 Comcast Cable Communications, LLC	Exeter	United States	71.234.139.58	New Hampshire	03833
7922 Comcast Cable Communications, LLC	Farmington	United States	71.228.118.154	New Mexico	87401
7922 Comcast Cable Communications, LLC	Grovetown	United States	71.226.156.52	Georgia	30813
209 Qwest Communications Company, LLC	Tallahassee	United States	71.220.157.34	Florida	32312
209 Qwest Communications Company, LLC	Arvada	United States	71.218.96.171	Colorado	80007
209 Qwest Communications Company, LLC	Denver	United States	71.218.158.36	Colorado	80205
209 Qwest Communications Company, LLC	Clewiston	United States	71.208.58.9	Florida	33440

7922 Comcast Cable Communications, LLC	Denver	United States	71.196.234.214	Colorado	80209
7922 Comcast Cable Communications, LLC	Boulder	United States	71.196.154.225	Colorado	80302
701 MCI Communications Services, Inc. d/b/a Verizon Business	Astoria	United States	71.190.194.12	New York	11105
701 MCI Communications Services, Inc. d/b/a Verizon Business	Staten Island	United States	71.183.106.106	New York	10306
701 MCI Communications Services, Inc. d/b/a Verizon Business	Pasadena	United States	71.179.23.108	Maryland	21122
701 MCI Communications Services, Inc. d/b/a Verizon Business	Ashburn	United States	71.163.157.202	Virginia	20148
701 MCI Communications Services, Inc. d/b/a Verizon Business	Camillus	United States	71.115.203.166	New York	13031
209 Qwest Communications Company, LLC	Ocala	United States	71.1.253.100	Florida	34476
20001 Time Warner Cable Internet LLC	San Diego	United States	70.95.172.218	California	92122
20001 Time Warner Cable Internet LLC	San Diego	United States	70.95.100.108	California	92124
54994 QUANTIL NETWORKS INC	Los Angeles	United States	70.39.188.9	California	90071
22773 Cox Communications	Virginia Beach	United States	70.169.17.85	Virginia	23452
33363 BRIGHT HOUSE NETWORKS, LLC	Inverness	United States	70.127.180.150	Florida	34453
1427 Time Warner Cable Internet LLC	Kansas City	United States	69.76.246.74	Missouri	64152
4992 CrystalTech Web Hosting Inc.	Phoenix	United States	69.50.212.199	Arizona	85027
7922 Comcast Cable Communications, LLC	Philadelphia	United States	69.242.25.77	Pennsylvania	19140
7922 Comcast Cable Communications, LLC	Pottstown	United States	69.242.2.19	Pennsylvania	19465
2112 HickoryTech Corporation	Mankato	United States	69.24.186.62	Minnesota	56001
4181 TDS TELECOM	Crawford	United States	69.21.161.218	Colorado	81415
7184 CBeyond COMMUNICATIONS, LLC	Germantown	United States	69.199.171.170	Maryland	20874
2475 SingleHop, Inc.	Chicago	United States	69.175.2.89	Illinois	60661
3128 Cablevision Systems Corp.	Cutchogue	United States	69.114.75.51	New York	11935

7922 Comcast Cable Communications, LLC	Willingboro	United States	68.83.90.205	New Jersey	08046
7922 Comcast Cable Communications, LLC	Elkins Park	United States	68.80.86.54	Pennsylvania	19027
7922 Comcast Cable Communications, LLC	Upper Darby	United States	68.80.153.140	Pennsylvania	19082
7922 Comcast Cable Communications, LLC	White Lake	United States	68.61.21.95	Michigan	48386
7922 Comcast Cable Communications, LLC	Grand Blanc	United States	68.56.33.85	Michigan	48439
7922 Comcast Cable Communications, LLC	Troy	United States	68.55.113.162	Michigan	48084
7922 Comcast Cable Communications, LLC	Nashville	United States	68.53.134.130	Tennessee	37214
7922 Comcast Cable Communications, LLC	Okemos	United States	68.48.165.145	Michigan	48864
22773 Cox Communications	San Juan Capistrano	United States	68.4.251.229	California	92675
7922 Comcast Cable Communications, LLC	Roseville	United States	68.34.108.177	Michigan	48066
2271 Time Warner Cable Internet LLC	New York	United States	68.175.18.251	New York	10002
20115 Charter Communications	Waupaca	United States	68.115.66.125	Wisconsin	54981
21351 Time Warner Cable Internet LLC	Spencerport	United States	67.253.182.124	New York	14559
2271 Time Warner Cable Internet LLC	Corona	United States	67.243.186.165	New York	11368
21351 Time Warner Cable Internet LLC	North Adams	United States	67.242.194.210	Massachusetts	01247
21351 Time Warner Cable Internet LLC	Macedon	United States	67.242.175.95	New York	14502
20473 Choopa, LLC	New York	United States	67.227.79.172	New York	10006
21769 Colocation America Corporation	Las Vegas	United States	67.227.47.10	Nevada	89147
31864 Transwave Communications Systems, Inc.	Lancaster	United States	67.222.122.125	New York	14086
7922 Comcast Cable Communications, LLC	Seattle	United States	67.183.173.1	Washington	98133
7922 Comcast Cable Communications, LLC	Culpeper	United States	67.166.190.161	Virginia	22701
7922 Comcast Cable Communications, LLC	Lakeville	United States	66.31.151.40	Massachusetts	02347
21426 Time Warner Cable Internet LLC	Charlotte	United States	66.26.173.141	North Carolina	28269
26698 Bright Net of Indiana	Goshen	United States	66.249.228.73	Indiana	46526

21627 CORNERSTONE TELEPHONE COMPANY, LLC	Albany	United States	66.165.130.143	New York	12201
2271 Time Warner Cable Internet LLC	Brooklyn	United States	66.108.8.85	New York	11201
33363 BRIGHT HOUSE NETWORKS, LLC	Ruskin	United States	65.35.84.227	Florida	33570
30479 Omnico Hosting, LLC	Miami Beach	United States	65.18.127.14	Florida	33139
209 Qwest Communications Company, LLC	Minneapolis	United States	65.128.141.44	Minnesota	55406
4265 TPx Communications	Moraga	United States	64.21.210.53	California	94556
5003 Nobis Technology Corp, LLC	Burbank	United States	64.120.9.12	California	91506
50558 Phoenix Nap, LLC.	Amsterdam	Netherlands	63.246.124.207	North Holland	1092
209 Qwest Communications Company, LLC	Fargo	United States	63.155.219.74	North Dakota	58121
2856 British Telecommunications PLC	Colchester	United Kingdom	62.7.178.184	England	CO2
3292 Tele Danmark	Copenhagen	Denmark	62.242.107.189	Capital Region	1513
3269 Telecom Italia	Rome	Italy	62.211.198.226	Latium	00134
5588 T-Mobile Czech Republic a.s.	Prague	Czechia	62.168.53.142	Hlavni mesto Praha	130 00
25542 Denit Internet Services	Uitgeest	Netherlands	62.148.163.188	North Holland	1911
24961 myLoc managed IT	Rostock	Germany	62.141.38.218	Mecklenburg-Vorpommern	18057
3612 Tiscali SpA	Sassari	Italy	62.10.238.60	Sardinia	07100
3318 SK Broadband Co Ltd	Seoul	Republic of Korea	61.99.103.165	Seoul	
837 CHINA UNICOM China169 Backbone	Jinzhou	China	61.176.227.131	Liaoning	
837 CHINA UNICOM China169 Backbone	Changchun	China	61.138.187.19	Jilin	
837 CHINA UNICOM China169 Backbone	Hengshui	China	60.9.216.210	Hebei	
4788 TM Net, Internet Service Provider	Subang Jaya	Malaysia	60.54.124.14	Selangor	47600
4788 TM Net, Internet Service Provider	Kuala Lumpur	Malaysia	60.48.160.101	Kuala Lumpur	56000
4134 No.31,Jin-rong Street	Hangzhou	China	60.186.238.44	Zhejiang	
4134 No.31,Jin-rong Street	Hangzhou	China	60.177.103.163	Zhejiang	
4134 No.31,Jin-rong Street	Lanzhou	China	60.165.113.148	Gansu	
7676 Softbank BB Corp.	Nagoya	Japan	60.100.236.155	Aichi	461-00
837 CHINA UNICOM China169 Backbone	Langfang	China	60.10.70.11	Hebei	
4134 No.31,Jin-rong Street	Haikou	China	59.50.200.125	Hainan	

3462 Data Communication Business Group	Taichung	Taiwan	59.126.50.22	Taichung City	
4837 CHINA UNICOM China169 Backbone	Nanjing	China	58.240.65.118	Jiangsu	
3318 SK Broadband Co Ltd	Seoul	Republic of Korea	58.238.26.180	Seoul	
3318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	58.234.189.229	Seoul	
0036 DLIVE	Seoul	Republic of Korea	58.142.48.181	Seoul	
51964 Equant Inc.	McMahons Point	Australia	57.70.75.178	New South Wales	2060
4618 Amazon.com, Inc.	Ashburn	United States	54.89.19.183	Virginia	20149
4618 Amazon.com, Inc.	Ashburn	United States	54.88.145.44	Virginia	20149
6276 OVH SAS	Clichy-sous-Bois	France	54.37.72.16	Île-de-France	
6509 Amazon.com, Inc.	Seattle	United States	54.239.133.19	Washington	98101
6509 Amazon.com, Inc.	Seattle	United States	54.192.27.30	Washington	98101
6509 Amazon.com, Inc.	Seattle	United States	54.192.240.125	Washington	98101
4618 Amazon.com, Inc.	Ashburn	United States	54.166.186.153	Virginia	20149
6509 Amazon.com, Inc.	Paris	France	52.47.91.180	Île-de-France	75001
4618 Amazon.com, Inc.	Ashburn	United States	52.20.211.125	Virginia	20149
6509 Amazon.com, Inc.	Tokyo	Japan	52.197.65.99	Tokyo	190-0
33363 BRIGHT HOUSE NETWORKS, LLC	Altamonte Springs	United States	50.88.234.246	Florida	32701
33363 BRIGHT HOUSE NETWORKS, LLC	Orlando	United States	50.88.167.64	Florida	32839
0036 Mediacom Communications Corp	Roanoke	United States	50.80.60.199	Illinois	61561
650 Frontier Communications of America,	Gardnerville	United States	50.37.18.202	Nevada	89460
922 Comcast Cable Communications, LLC	Monroe	United States	50.255.80.114	Louisiana	71201
922 Comcast Cable Communications, LLC	Puyallup	United States	50.251.240.74	Washington	98372
922 Comcast Cable Communications, LLC	Parker	United States	50.246.196.233	Colorado	80134
650 Frontier Communications of America,	Merrill	United States	50.124.109.246	Wisconsin	54452
7011 Frontier Communications of America,	Denison	United States	50.120.248.135	Iowa	51442

5650 Frontier Communications of America,	Portage	United States	50.105.180.49	Wisconsin	53901
0198 JSC Kazakhtelecom	Almaty	Kazakhstan	5.76.243.170	Almaty Qalasy	
0198 JSC Kazakhtelecom	Almaty	Kazakhstan	5.76.235.210	Almaty Qalasy	
5607 Sky UK Limited	Dunfermline	United Kingdom	5.71.174.103	Scotland	KY12
5607 Sky UK Limited	Rochdale	United Kingdom	5.67.5.4	England	OL16
5607 Sky UK Limited	Croydon	United Kingdom	5.64.215.32	England	CR0
3329 Vodafone-panafon enic Telecommunications npany SA	Athens	Greece	5.54.136.248	Attica	
48642 Joint stock company	Severoural'sk	Russia	5.43.159.146	Sverdlovskaya Oblast'	62448
8885 Oman ecommunications Company (A.O.G)	Muscat	Oman	5.36.52.21	Muhafazat Masqat	
6135 Turkcell Iletisim metleri A.s.	Mahmutbey	Turkey	5.27.192.157	Istanbul	
21472 ServerHouse Ltd	Fareham	United Kingdom	5.2.17.65	England	PO16
617 Orange Polska Spolka z ograniczona odpowiedzialnoscia	Radom	Poland	5.185.100.62	Mazovia	26-60
2682 JSC ER-Telecom Russia	Nizhniy Novgorod	Russia	5.164.246.24	Nizhegorodskaya Oblast'	60300
20860 iomart Cloud Services Limited.	Ellesmere Port	United Kingdom	5.159.226.234	England	CH65
20860 iomart Cloud Services Limited.	Oxford	United Kingdom	5.152.207.180	England	OX1
6131 PageBites, Inc.	Paris	France	5.150.156.13	Île-de-France	
5816 Lancom Ltd.	Sevastopol	Ukraine	5.149.209.140	Gorod Sevastopol	
708 RCS & RDS	Medgidia	Romania	5.14.101.208	Constanta	90560
4134 No.31,Jin-rong Street	Suzhou	China	49.64.98.119	Jiangsu	
804 Microplex PTY LTD	Kew	Australia	49.194.64.165	Victoria	3101
7858 LG POWERCOMM	Seoul	Republic of Korea	49.174.148.83	Seoul	
7858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	49.160.32.245	Seoul	
4134 No.31,Jin-rong Street	Ürümqi	China	49.115.221.21	Xinjiang	
4134 No.31,Jin-rong Street	Ürümqi	China	49.114.59.251	Xinjiang	
5102 Alibaba (China) Technology Co., Ltd.	Hong Kong	Hong Kong	47.90.104.51	Central and Western	
6128 Cablevision Systems Corp.	Norwalk	United States	47.23.182.157	Connecticut	06854
9108 Suddenlink Communications	Tyler	United States	47.219.31.19	Texas	75703

650 Frontier Communications of America,	Sarasota	United States	47.205.154.113	Florida	34243
650 Frontier Communications of America,	Plano	United States	47.186.41.40	Texas	75075
650 Frontier Communications of America,	Fontana	United States	47.152.58.43	California	92336
650 Frontier Communications of America,	Mentone	United States	47.152.242.13	California	92359
320 Deutsche Telekom AG	Parsberg	Germany	46.90.191.3	Bavaria	92331
320 Deutsche Telekom AG	Saarlouis	Germany	46.84.2.6	Saarland	66740
767 M-net Telekommunikations GmbH	Wurzburg	Germany	46.244.237.31	Bavaria	97080
97589 Alfanews S.r.l.	Arezzo	Italy	46.235.138.53	Tuscany	52100
7188 ORKA systems, s.r.o.	Karvina	Czechia	46.228.24.6	Moravskoslezsky kraj	734 0
386 Vodafone Net Iletisim Sirketi	Istanbul	Turkey	46.2.11.157	Istanbul	34841
21021 Multimedia Polska	Blizanow	Poland	46.186.121.55	Greater Poland	62-81
5895 Kyivstar PJSC	Kiev	Ukraine	46.185.5.48	Kyiv City	02094
05952 CJSC Caravan Aero	Moscow	Russia	46.183.167.51	Moscow	10212
8769 Closed Joint Stock Company SibTransTelecom	Abakan	Russia	46.182.133.41	Respublika Khakasiya	65500
329 Vodafone-panafon Telecommunications Company SA	Athens	Greece	46.177.30.26	Attica	
8004 PE Tsibrankov Konstantin Igorevich	Simferopol	Ukraine	46.173.67.172	Republic of Crimea	
4590 JSC ER-Telecom JSC	Izhevsk	Russia	46.147.142.208	Udmurtskaya Respublika	42600
2768 JSC ER-Telecom JSC	Perm	Russia	46.146.107.90	Perm Krai	61406
2430 Vodafone Spain	Barcelona	Spain	46.136.111.22	Catalonia	08004
3036 T-Mobile Czech Republic a.s.	Prague	Czechia	46.13.19.45	Hlavni mesto Praha	130 00
8866 Vivacom	Plovdiv	Bulgaria	46.10.64.125	Plovdiv	4000
3949 Linode, LLC	Atlanta	United States	45.79.201.207	Georgia	30301
20001 Time Warner Cable Internet LLC	Moreno Valley	United States	45.51.52.229	California	92553
20001 Time Warner Cable Internet LLC	Yucaipa	United States	45.50.149.136	California	92399
40676 Psychz Networks	Walnut	United States	45.34.228.219	California	91789

63535 Chengdu Wanda Electronic Information Technology Co.,Ltd	Chaoyang	China	45.122.2.88	Liaoning	
837 CHINA UNICOM na169 Backbone	Chaoyang	China	42.87.133.91	Liaoning	
760 PCCW Limited	Kowloon	Hong Kong	42.2.163.164	Kowloon City	
837 CHINA UNICOM na169 Backbone	Dandong	China	42.177.28.254	Liaoning	
8403 The Corporation for Financing & Promoting Technology	Can Tho	Vietnam	42.116.165.162	Thanh Pho Can Tho	
8403 The Corporation for Financing & Promoting Technology	Hanoi	Vietnam	42.113.47.112	Thanh Pho Ha Noi	
134 No.31,Jin-rong Street	Daqing	China	42.100.108.165	Heilongjiang	
6866 JTL	Nairobi	Kenya	41.57.106.22	Nairobi Province	
7671 GLOBALNET-AS	Tunis	Tunisia	41.227.63.191	Gouvernorat de Tunis	
7671 GLOBALNET-AS	Tunis	Tunisia	41.225.91.18	Gouvernorat de Tunis	
29544 MAURITEL	Tevragh Zeina	Mauritania	41.188.107.1	Nouakchott Ouest	
7061 Safaricom	Nairobi	Kenya	41.139.215.29	Nairobi Province	
7029 Windstream Communications LLC	Raleigh	United States	40.132.98.222	North Carolina	27614
837 CHINA UNICOM na169 Backbone	Qingdao	China	39.77.23.136	Shandong	
837 CHINA UNICOM na169 Backbone	Rizhao	China	39.72.86.207	Shandong	
837 CHINA UNICOM na169 Backbone	Liaocheng	China	39.70.132.129	Shandong	
837 CHINA UNICOM na169 Backbone	Linyi	China	39.67.94.24	Shandong	
837 CHINA UNICOM na169 Backbone	Hohhot	China	39.67.160.50	Inner Mongolia Autonomous Region	
837 CHINA UNICOM na169 Backbone	Jinan	China	39.64.136.115	Shandong	
808 Guangdong Mobile Communication Co.Ltd.	Nanchang	China	39.176.108.177	Jiangxi	
808 Guangdong Mobile Communication Co.Ltd.	Nanchang	China	39.159.120.44	Jiangxi	
808 Guangdong Mobile Communication Co.Ltd.	Zhumadian	China	39.148.79.16	Henan	
74 Cogent Communications	Toronto	Canada	38.99.161.57	Ontario	M2N
74 Cogent Communications	San Diego	United States	38.96.1.51	California	92126
74 Cogent Communications	West Palm Beach	United States	38.130.247.29	Florida	
3399 Sewan Communications S.A.S.	Paris	France	37.97.93.84	Île-de-France	
1214 TIS Dialog LLC	Kaliningrad	Russia	37.60.215.208	Kaliningradskaya Oblast'	23600

01163 PJSC MegaFon	Krasnodar	Russia	37.29.112.219	Krasnodarskiy Kray	35000
029562 Kabel BW	Horb am Neckar	Germany	37.209.111.174	Baden-Württemberg Region	72160
01198 JSC Kazakhtelecom	Almaty	Kazakhstan	37.151.198.80	Almaty Qalasy	
01198 JSC Kazakhtelecom	Karagandy	Kazakhstan	37.151.177.216	Qaraghandy Oblysy	
02715 Orange Espagne U.	Madrid	Spain	37.134.123.22	Madrid	28027
02715 Orange Espagne U.	Barcelona	Spain	37.133.186.105	Catalonia	08004
011754 JSC ER-Telecom Holding	Penza	Russia	37.113.46.254	Penzenskaya Oblast'	44000
02715 Orange Espagne U.	Madrid	Spain	37.11.17.48	Madrid	28011
02715 Orange Espagne U.	Fuenlabrada	Spain	37.11.130.157	Madrid	28943
07974 PT Telekomunikasi Indonesia	Rw 02	Indonesia	36.83.26.3	Jakarta	
07974 PT Telekomunikasi Indonesia	Tangerang	Indonesia	36.71.48.10	Banten	
07974 PT Telekomunikasi Indonesia	Jakarta	Indonesia	36.68.255.94	Jakarta	
0462 Data Communication Business Group	Tainan City	Taiwan	36.236.204.102	Tainan	
01134 No.31,Jin-rong Street	Hangzhou	China	36.105.216.47	Zhejiang	
05169 Google LLC	Mountain View	United States	35.190.199.221	California	94043
05169 Google LLC	Mountain View	United States	35.184.198.44	California	94043
09289 OOO MediaSeti	Nizhniy Novgorod	Russia	31.7.236.233	Nizhegorodskaya Oblast'	60300
0856 British Telecommunications PLC	Llanelli	United Kingdom	31.48.229.29	Wales	SA15
00886 PP KOM i TEX	Lviv	Ukraine	31.43.83.22	L'vivs'ka Oblast'	79037
0542 BKK Digitek AS	Bergen (Bergenhus)	Norway	31.24.134.78	Hordaland	
06372 Orange Web Services	Javea	Spain	31.220.72.176	Valencia	03700
011334 Vodafone Kabel Deutschland GmbH	Reinbek	Germany	31.18.99.9	Schleswig-Holstein	21465
0830 Liberty Global Operations B.V.	Warsaw	Poland	31.178.143.131	Mazovia	00-20
0866 Cyprus Communications Authority	Nicosia	Cyprus	31.153.110.152	Lefkosia	
0837 CHINA UNICOM China169 Backbone	Chongqing	China	27.8.51.95	Chongqing	
07552 Viettel Group	Loc Ninh	Vietnam	27.74.108.39	Tinh Tay Ninh	
07488 Hathway IP Over Cable Internet	Chennai	India	27.5.253.78	Tamil Nadu	60004

23584 PUSAN CABLE TV STEM CO., LTD.	Busan	Republic of Korea	27.35.157.145	Busan	
7917 Quadrant ventures Limited	Mohali	India	27.255.173.83	Punjab	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	27.235.126.88	Gyeonggi-do	
4837 CHINA UNICOM na169 Backbone	Shouguang	China	27.214.52.15	Shandong	
4837 CHINA UNICOM na169 Backbone	Weifang	China	27.214.154.244	Shandong	
4837 CHINA UNICOM na169 Backbone	Yantai	China	27.213.153.113	Shandong	
4837 CHINA UNICOM na169 Backbone	Weifang	China	27.205.68.128	Shandong	
4837 CHINA UNICOM na169 Backbone	Jining	China	27.198.156.220	Shandong	
4134 No.31,Jin-rong Street	Shijiazhuang	China	27.185.244.65	Hebei	
4134 No.31,Jin-rong Street	Fuzhou	China	27.157.5.228	Fujian	
7864 TBROAD HANVIT DADCASTING CO.,LTD.	Suwon	Republic of Korea	27.119.206.39	Gyeonggi-do	
829 National Internet kbone	Malappuram	India	27.0.145.177	Kerala	67650
2083 WideOpenWest ance LLC	Columbus	United States	24.96.237.52	Georgia	31907
7922 Comcast Cable nmunications, LLC	Quincy	United States	24.91.171.237	Massachusetts	02169
7922 Comcast Cable nmunications, LLC	Denver	United States	24.9.164.139	Colorado	80229
1426 Time Warner Cable rnet LLC	Salisbury	United States	24.74.154.223	North Carolina	28147
7922 Comcast Cable nmunications, LLC	Wellfleet	United States	24.63.92.166	Massachusetts	02667
7922 Comcast Cable nmunications, LLC	Concord	United States	24.62.231.89	Massachusetts	01742
1351 Time Warner Cable rnet LLC	Ithaca	United States	24.59.52.119	New York	14850
4181 TDS TELECOM	Woodland Park	United States	24.52.20.3	Colorado	80863
1351 Time Warner Cable rnet LLC	Moriah	United States	24.29.67.54	New York	12960
0796 Time Warner Cable rnet LLC	Dayton	United States	24.27.184.122	Ohio	45424
22773 Cox Communications	Scottsdale	United States	24.251.149.61	Arizona	85251
7922 Comcast Cable nmunications, LLC	Wakefield	United States	24.218.0.160	Massachusetts	01880
0796 Time Warner Cable rnet LLC	Troy	United States	24.209.212.42	Ohio	45373

7922 Comcast Cable Communications, LLC	Tacoma	United States	24.16.222.213	Washington	98405
7922 Comcast Cable Communications, LLC	Hyattsville	United States	24.126.89.136	Maryland	20782
7922 Comcast Cable Communications, LLC	Atlanta	United States	24.125.127.168	Georgia	30339
7922 Comcast Cable Communications, LLC	Valparaiso	United States	24.12.126.1	Indiana	46383
7922 Comcast Cable Communications, LLC	Johns Island	United States	24.11.138.119	South Carolina	29455
1426 Time Warner Cable Internet LLC	Raleigh	United States	24.106.205.153	North Carolina	27607
6352 ColoCrossing	New York	United States	23.94.194.115	New York	10011
151 Uninet S.A. de C.V.	Cambridge	United States	23.76.117.140	Massachusetts	02142
20940 Akamai International	Cambridge	United States	23.74.50.183	Massachusetts	02142
768 TelstraClear Ltd	Cambridge	United States	23.65.56.23	Massachusetts	02142
5994 Akamai Technologies,	Cambridge	United States	23.52.177.148	Massachusetts	02142
6625 Akamai Technologies,	Amsterdam	Netherlands	23.51.232.209	North Holland	1091
20940 Akamai International	Amsterdam	Netherlands	23.42.207.87	North Holland	1091
20940 Akamai International	Amsterdam	Netherlands	23.40.209.76	North Holland	1091
20940 Akamai International	Amsterdam	Netherlands	23.38.28.230	North Holland	1091
20940 Akamai International	Amsterdam	Netherlands	23.38.215.217	North Holland	1091
762 TELECOM ITALIA MARKLE S.p.A.	Amsterdam	Netherlands	23.35.214.208	North Holland	1091
6625 Akamai Technologies,	Amsterdam	Netherlands	23.34.138.65	North Holland	1091
9037 AMX Argentina S.A.	Cambridge	United States	23.34.131.24	Massachusetts	02142
7922 Comcast Cable Communications, LLC	Purcellville	United States	23.31.109.166	Virginia	20132
8978 Enzu Inc	Los Angeles	United States	23.245.183.254	California	90017
26484 HOSTSPACE NETWORKS LLC	Rowland Heights	United States	23.234.63.131	California	91748
3330 CloudRadium L.L.C	Los Angeles	United States	23.225.4.244	California	90014
3330 CloudRadium L.L.C	Los Angeles	United States	23.225.226.225	California	90014

6625 Akamai Technologies,	Amsterdam	Netherlands	23.223.211.62	North Holland	1091
6453 TATA COMMUNICATIONS (AMERICA) INC	Cambridge	United States	23.220.160.149	Massachusetts	02142
20940 Akamai International	Cambridge	United States	23.220.137.148	Massachusetts	02142
6625 Akamai Technologies,	Cambridge	United States	23.212.27.242	Massachusetts	02142
3257 GTT Communications	Cambridge	United States	23.212.147.166	Massachusetts	02142
6625 Akamai Technologies,	Amsterdam	Netherlands	23.206.117.248	North Holland	1091
23947 PT.Mora Telematika Indonesia	Cambridge	United States	23.200.183.20	Massachusetts	02142
7843 Time Warner Cable Internet LLC	Cambridge	United States	23.199.180.212	Massachusetts	02142
2914 NTT America, Inc.	Cambridge (Mit)	United States	23.196.194.163	Massachusetts	
6625 Akamai Technologies,	Cambridge	United States	23.196.104.89	Massachusetts	02142
1826 Vocus Connect International Backbone	Cambridge	United States	23.194.135.130	Massachusetts	02142
5511 Orange	Cambridge	United States	23.194.121.185	Massachusetts	02142
20940 Akamai International	Cambridge	United States	23.15.145.30	Massachusetts	02142
20940 Akamai International	Cambridge	United States	23.11.252.118	Massachusetts	02142
5003 Nobis Technology Corp, LLC	Phoenix	United States	23.107.155.170	Arizona	85054
3075 Microsoft Corporation	Redmond	United States	23.103.208.187	Washington	98052
24444 Shandong Mobile Communication Company Limited	Jinan	China	223.96.42.60	Shandong	
7963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	223.6.187.128	Zhejiang	
24560 Bharti Airtel Ltd., Media Services	Bengaluru	India	223.226.65.215	Karnataka	
1134 No.31,Jin-rong Street	Taiyuan	China	223.14.189.62	Shanxi	
1134 No.31,Jin-rong Street	Xintian	China	223.13.5.59	Shanxi	
1766 Korea Telecom	Busan	Republic of Korea	222.97.229.50	Busan	
1134 No.31,Jin-rong Street	Sanming	China	222.78.134.218	Fujian	
1134 No.31,Jin-rong Street	Fuzhou	China	222.77.139.91	Fujian	
1134 No.31,Jin-rong Street	Hohhot	China	222.74.31.39	Inner Mongolia Autonomous Region	

9394 China TieTong Telecommunications Corporation	Beijing	China	222.34.133.254	Beijing	
15899 VNPT Corp	Hanoi	Vietnam	222.254.101.121	Thanh Pho Ha Noi	
9318 SK Broadband Co Ltd	Seoul	Republic of Korea	222.232.171.10	Seoul	
1134 No.31,Jin-rong Street	Beijing	China	222.188.53.117	Beijing	
1837 CHINA UNICOM China169 Backbone	Changchun	China	222.161.21.151	Jilin	
1837 CHINA UNICOM China169 Backbone	Zhumadian	China	222.141.164.89	Henan	
1766 Korea Telecom	Seoul	Republic of Korea	222.107.231.91	Seoul	
17676 Softbank BB Corp.	Fukuoka	Japan	221.77.38.187	Fukuoka	812-0
1808 Guangdong Mobile Communication Co.Ltd.	Mianyang	China	221.182.80.41	Sichuan	
14445 Henan Mobile Communications Co.,Ltd	Jiaozuo	China	221.176.224.199	Henan	
1766 Korea Telecom	Bucheon-si	Republic of Korea	221.157.180.25	Gyeonggi-do	
1837 CHINA UNICOM China169 Backbone	Pingdingshan	China	221.14.237.57	Henan	
1766 Korea Telecom	Seoul	Republic of Korea	220.82.158.141	Seoul	
17676 Softbank BB Corp.	Kakamigahara	Japan	220.31.207.45	Gifu	501-3
1134 No.31,Jin-rong Street	Quzhou	China	220.185.57.133	Zhejiang	
1766 Korea Telecom	Seoul	Republic of Korea	220.116.183.30	Seoul	
1788 TM Net, Internet Service Provider	Kuala Lumpur	Malaysia	219.92.120.189	Kuala Lumpur	68100
9318 SK Broadband Co Ltd	Incheon	Republic of Korea	219.255.105.139	Incheon	
17816 China Unicom IP Network China169 Guangdong Province	Beijing	China	219.238.5.57	Beijing	
132719 Chengdu West Dimension Digital Technology Co., Ltd	Xi'an	China	219.234.28.230	Shaanxi	
1134 No.31,Jin-rong Street	Chongqing	China	219.152.195.245	Chongqing	
1134 No.31,Jin-rong Street	Chengdu	China	218.89.222.234	Sichuan	
1134 No.31,Jin-rong Street	Fuzhou	China	218.86.51.110	Fujian	
1837 CHINA UNICOM China169 Backbone	Jinan	China	218.58.34.158	Shandong	
9318 SK Broadband Co Ltd	Seoul	Republic of Korea	218.235.154.138	Seoul	
198252 ELTA KABEL d.o.o.	Tuzla	Bosnia and Herzegovina	217.71.50.41	Federation of B&H;	

9190 MTS PJSC	Saratov	Russia	217.65.208.78	Saratovskaya Oblast'	41096
0143 Ziggo	Wassenaar	Netherlands	217.62.135.158	South Holland	2242
3320 Deutsche Telekom AG	Zwiesel	Germany	217.249.29.27	Bavaria	94227
3320 Deutsche Telekom AG	Memmingen	Germany	217.249.254.211	Bavaria	87700
3320 Deutsche Telekom AG	Bayreuth	Germany	217.238.14.25	Bavaria	95448
6739 Vodafone Ono, S.A.	Jerez de la Frontera	Spain	217.216.96.82	Andalusia	11408
3301 Telia Company AB	Umeå	Sweden	217.210.146.121	Västerbotten	901 0
6128 AGARIK SA	Paris	France	217.174.220.139	Île-de-France	75001
9741 Ruscom Ltd.	Yekaterinburg	Russia	217.174.166.201	Sverdlovskaya Oblast'	62001
560 1&1 Internet SE	Karlsruhe	Germany	217.160.5.222	Baden-Württemberg Region	
560 1&1 Internet SE	Offenbach	Germany	217.160.33.165	Hesse	
8642 Joint stock company	Yekaterinburg	Russia	217.151.234.79	Sverdlovskaya Oblast'	62013
8 Massachusetts Institute of Technology	Liège	Belgium	217.136.74.127	Wallonia	4000
612 Tiscali SpA	Province of Cagliari	Italy	217.133.22.114	Sardinia (Roman province)	
0143 Ziggo	Steenwijk	Netherlands	217.121.164.89	Provincie Overijssel	8332
0143 Ziggo	Bergen op Zoom	Netherlands	217.101.158.54	North Brabant	4615
20401 Hostway Corporation	Chicago	United States	216.36.237.70	Illinois	60606
0466 Cable Axion Digitel	Huntingdon	Canada	216.228.219.62	Quebec	
20454 SECURED SERVERS C	Phoenix	United States	216.21.9.39	Arizona	85034
26253 South Central Communications, Inc.	Henrieville	United States	216.169.79.208	Utah	84736
5327 Electronics for Engineering, Inc.	Pittsburgh	United States	216.151.85.69	Pennsylvania	15220
0843 Advanced Internet Technologies	Fayetteville	United States	216.117.187.20	North Carolina	28301
3269 Telecom Italia	Castenedolo	Italy	213.45.185.200	Lombardy	25014
8685 Routit BV	Ede	Netherlands	213.247.113.19	Provincie Gelderland	
3220 COLT Technology Services Group Limited	Diegem	Belgium	213.246.246.22	Flanders	1831
3238 YANDEX LLC	Ryazan	Russia	213.180.210.89	Ryazanskaya Oblast'	
29550 Simply Transit Ltd	Morley	United Kingdom	213.175.222.222	England	
4984 Tellcom İletişim Sistemleri A.Ş.	Istanbul	Turkey	213.14.24.161	Istanbul	
241 Forthnet	Athens	Greece	212.251.116.185	Attica	
8758 Iway AG	Adliswil	Switzerland	212.25.10.188	Zurich	8134
3301 Telia Company AB	Uppsala	Sweden	212.181.45.25	Uppsala	741 74
3269 Telecom Italia	Rome	Italy	212.171.167.180	Latium	00134
24651 Jsc Balticom	Riga	Latvia	212.142.92.193	Riga	

3386 Vodafone Net İletişim Şirketleri Anonim Şirketi	Istanbul	Turkey	212.133.210.252	Istanbul	
3462 Data Communication Business Group	Taipei	Taiwan	211.75.202.158	Taipei City	
3457 DREAMLINE CO.	Seoul	Republic of Korea	211.56.184.9	Seoul	
3576 NBP	Seongnam-si (Buljeong-ro)	Republic of Korea	211.249.60.5	Gyeonggi-do	
3766 Korea Telecom	Daegu	Republic of Korea	211.229.97.205	Daegu	
3318 SK Broadband Co Ltd	Seoul	Republic of Korea	211.207.43.226	Seoul	
3318 SK Broadband Co Ltd	Dongducheon-si	Republic of Korea	211.204.78.213	Gyeonggi-do	
3318 SK Broadband Co Ltd	Seoul	Republic of Korea	211.204.142.154	Seoul	
3829 National Internet Backbone	Nanded	India	210.212.170.230	Maharashtra	43160
3766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	210.178.205.130	Gyeonggi-do	
39164 Apollo Online Services Pvt Ltd	Hyderabad	India	210.16.77.153	Telangana	50004
3506 GMO Internet,Inc	Naha	Japan	210.157.8.217	Okinawa	
3766 Korea Telecom	Ansan-si	Republic of Korea	210.104.208.65	Gyeonggi-do	
3789 pair Networks	Pittsburgh	United States	209.68.10.212	Pennsylvania	15203
3785 Integra Telecom, Inc.	Portland	United States	209.63.97.14	Oregon	97229
3853 Whidbey Telephone Company	Clinton	United States	209.166.76.126	Washington	98236
26347 New Dream Network, Inc	Brea	United States	208.97.177.53	California	92821
37248 InterGlobe Communications, Inc.	South Ozone Park	United States	208.94.103.220	New York	11420
36351 SoftLayer Technologies Inc.	Chantilly	United States	208.43.125.194	Virginia	20151
26347 New Dream Network, Inc	Brea	United States	208.113.197.154	California	92821
39515 Oricom Internet	Québec	Canada	208.111.73.249	Quebec	G2L
3181 Cincinnati Bell Telephone Company LLC	Cincinnati	United States	208.102.129.1	Ohio	45248
3181 Cincinnati Bell Telephone Company LLC	Union	United States	208.102.12.61	Kentucky	41091
3693 Latisys-Irvine, LLC	Irvine	United States	207.38.40.229	California	92606
31776 Atlantic Broadband Finance, LLC	Cumberland	United States	207.255.201.90	Maryland	21502

30466 Cable Axion Digital	Saint-Paul-de-l'Ile-aux-Noix	Canada	207.253.52.81	Quebec	
3769 Videotron Telecom	Ottawa	Canada	207.253.240.193	Ontario	K1Y
3209 Qwest Communications Company, LLC	Omaha	United States	207.224.101.143	Nebraska	68105
30401 Hostway Corporation	Chicago	United States	207.150.221.95	Illinois	60606
36438 Satelcom Internet Inc.	Saint-Michel-des-Saints	Canada	204.80.2.138	Quebec	J0K
33886 Cloud South	Newark	United States	204.52.98.101	Delaware	19702
3790 CallPlus Services Limited	Auckland	New Zealand	202.180.86.34	Auckland	1150
37545 TPG Telecom Limited	Sydney	Australia	202.161.123.141	New South Wales	2000
37738 Telemar Norte Leste	Vitória da Conquista	Brazil	201.8.107.103	Bahia	
328620 Provedor de comunicações Ltda.	Lobato	Brazil	201.55.133.96	Parana	86790
33489 EPM comunicaciones S.A. E.S.P.	Medellín	Colombia	201.236.255.221	Antioquia	05000
30057 Administracion ional de comunicaciones	Montevideo	Uruguay	201.221.52.173	Departamento de Montevideo	
322047 VTR BANDA ANCHA	Viña del Mar	Chile	201.214.114.173	Region de Valparaiso	
33489 EPM comunicaciones S.A. E.S.P.	Medellín	Colombia	201.184.93.79	Antioquia	05000
31888 Television rnacional, S.A. de C.V.	Apodaca	Mexico	201.173.220.195	Nuevo León	66633
	Mexico City	Mexico	201.153.45.16	Mexico City	63000
3151 Uninet S.A. de C.V.	San Luis Potosí City	Mexico	201.152.174.17	San Luis Potosí	78146
3151 Uninet S.A. de C.V.	Puebla	Mexico	201.143.226.92	Estado de Baja California	21620
3262215 ITELKOM	Bogotá	Colombia	201.131.189.57	Bogota D.C.	11131
3151 Uninet S.A. de C.V.	Veracruz	Mexico	201.123.79.196	Veracruz	91709
3151 Uninet S.A. de C.V.	Mexico City	Mexico	201.114.194.145	Mexico City	63000
3151 Uninet S.A. de C.V.	Mexico City	Mexico	201.103.106.39	Mexico City	63000
37162 Universo Online S.A.	São Paulo	Brazil	200.98.66.174	Sao Paulo	
3167 Brasil Telecom S/A - l Distrito Federal	Curitiba	Brazil	200.96.54.12	Parana	
322047 VTR BANDA ANCHA	Arica	Chile	200.86.27.241	Region de Arica y Parinacota	
32230 CLARO S.A.	Campo Grande	Brazil	200.241.160.29	Mato Grosso do Sul	
32230 CLARO S.A.	Santo André	Brazil	200.174.1.35	Sao Paulo	
3167 Brasil Telecom S/A - l Distrito Federal	Goiânia	Brazil	200.103.107.41	Goiias	

3243 Servicos De nunicacoes E Multimedia	Braganca	Portugal	2.83.165.147	Bragança	5300-6
3243 Servicos De nunicacoes E Multimedia	Vila Nova de Paiva	Portugal	2.80.6.227	Viseu	3650-1
4034 Hi3G Access AB	Stockholm (Stadshagen)	Sweden	2.67.82.26	Stockholm	
2389 PJSC Rostelecom	Novokuznetsk	Russia	2.62.28.125	Kemerovskaya Oblast'	65401
2874 Fastweb	Rome	Italy	2.236.184.60	Latium	00134
3269 Telecom Italia	Milan	Italy	2.23.18.233	Lombardy	
2874 Fastweb	Rome	Italy	2.227.144.101	Latium	00153
5607 Sky UK Limited	Coventry	United Kingdom	2.223.83.174	England	CV5
5607 Sky UK Limited	Glasgow	United Kingdom	2.222.18.21	Scotland	G42
5607 Sky UK Limited	Barrow in Furness	United Kingdom	2.219.109.110	England	LA14
3209 Vodafone GmbH	Frankfurt am Main	Germany	2.207.58.62	Hesse	
3209 Vodafone GmbH	Gelsenkirchen	Germany	2.205.91.83	North Rhine-Westphalia	45881
3209 Vodafone GmbH	Sankt Augustin	Germany	2.204.187.118	North Rhine-Westphalia	53757
3209 Vodafone GmbH	Krefeld	Germany	2.203.95.101	North Rhine-Westphalia	47800
3209 Vodafone GmbH	Baruth	Germany	2.201.94.1	Saxony	02694
6232 Telecom Italia	Carini	Italy	2.194.6.143	Sicily	90044
8159 Telecommunication rastructure Company	Tabriz (Mokhaberat)	Iran	2.187.218.104	East Azerbaijan	
6625 Akamai Technologies,	London	United Kingdom	2.18.157.146	England	
739 Vodafone Ono, S.A.	Santander	Spain	2.154.13.157	Cantabria	39010
3352 Telefonica De Espana	Barcelona	Spain	2.140.118.251	Catalonia	08006
3352 Telefonica De Espana	Gandia	Spain	2.136.37.219	Valencia	46701
5607 Sky UK Limited	Cowdenbeath	United Kingdom	2.127.74.31	Scotland	KY4
5607 Sky UK Limited	Great Yarmouth	United Kingdom	2.127.66.87	England	NR30
5607 Sky UK Limited	Basingstoke	United Kingdom	2.127.226.130	England	RG21
5607 Sky UK Limited	Coventry	United Kingdom	2.124.245.166	England	CV5
8978 Enzu Inc	Los Angeles	United States	199.231.214.113	California	90017
33260 Miva Merchant, Inc.	Tampa	United States	199.180.82.205	Florida	33619
6562 Total Server Solutions C.	Atlanta	United States	199.180.249.170	Georgia	30303
0496 Colo4, LLC	Dallas	United States	198.252.99.109	Texas	75247

0474 OPTINET	Boksburg	South Africa	197.83.251.61	Gauteng	1459
5438 Agence Tunisienne Internet	Zarzis	Tunisia	197.4.112.15	Gouvernorat de Medenine	
24835 RAYA Telecom - Egypt	Cairo	Egypt	197.133.239.16	Cairo Governorate	
6713 Itissalat Al-MAGHRIB	Rabat	Morocco	197.128.132.120	Region de Rabat-Sale-Zemmour-Zaer	
6713 Itissalat Al-MAGHRIB	Tétouan	Morocco	196.66.245.179	Tanger-Tetouan-Al Hoceima	
2143 RAHA LTD	Dar es Salaam	Tanzania	196.41.62.90	Dar es Salaam Region	
66974 AF NET Internet Services	Abidjan	Ivory Coast	196.180.253.27	Abidjan	
3249 Telia Eesti AS	Kohtla-Järve	Estonia	195.50.200.36	Ida-Virumaa	
50214 QWARTA LLC	Moscow (Tsentralnyy administrativnyy okrug)	Russia	195.42.123.48	Moscow	
3215 Orange	Paris	France	195.25.86.46	Île-de-France	75001
3215 Orange	Soisy-sous-Montmorency	France	195.25.68.22	Île-de-France	95230
3269 Telecom Italia	Reggio nell'Emilia	Italy	195.223.113.17	Emilia-Romagna	42100
44499 GRASS-MERKUR bH & Co. KG	Stadtoldendorf	Germany	195.216.198.98	Lower Saxony	37627
2445 A2A Smart City S.P.A	Brescia	Italy	195.206.6.5	Lombardy	25100
32282 UAB Rakrejus	Vilnius	Republic of Lithuania	195.181.243.76	Vilnius County	
2876 Online S.a.s.	Paris	France	195.154.22.248	Île-de-France	75001
5413 Daisy Communications	Reading (Transcentral Bennet Road)	United Kingdom	195.147.45.42	England	
5430 freenet Telekommunikations GmbH	Berlin	Germany	194.97.105.104	Land Berlin	12207
3269 Telecom Italia	Rome	Italy	194.243.13.146	Latium	
50169 LLC Inventos	Oryol	Russia	194.190.130.92	Orjol	
97942 Forsakringskassan	Sundsvall	Sweden	194.14.218.17	Västernorrland	
257 TELE2	Stockholm	Sweden	193.216.154.48	Stockholm	
224 UNINETT AS	Oslo	Norway	193.157.197.177	Oslo County	0001
2816 Groniz-Rechenzentrum	Garching bei München	Germany	192.54.42.52	Bavaria	
37 Consortium GARR	Pescara	Italy	192.167.12.18	Abruzzo	65100
54290 Hostwinds LLC.	Seattle	United States	192.129.148.118	Washington	98168
93892 Mid Century Communications	Canton	United States	192.119.144.10	Illinois	61520
26615 Tim Celular S.A.	Varzea Paulista	Brazil	191.86.232.29	Sao Paulo	13220
27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	191.23.99.198	Sao Paulo	
3048 CANTV Servicios, Venezuela	Barquisimeto	Venezuela	190.75.210.233	Lara	

22047 VTR BANDA ANCHA	Viña del Mar	Chile	190.45.3.191	Region de Valparaiso	
1556 Cable & Wireless Panamá	Chitré	Panamá	190.33.224.64	Provincia de Herrera	
0481 Prima S.A.	Canada de Gomez	Argentina	190.246.51.139	Santa Fe	2500
048 CANTV Servicios, Venezuela	Caracas (Roca Tarpeya)	Venezuela	190.199.123.236	Capital	
0481 Prima S.A.	Buenos Aires	Argentina	190.189.164.245	Buenos Aires F.D.	34034
22927 Telefonica de Argentina	Cinco Saltos	Argentina	190.175.3.29	Rio Negro	8303
22927 Telefonica de Argentina	La Plata	Argentina	190.174.44.69	Buenos Aires	1900
52270 X-Host SRL	Santiago	Chile	190.105.239.68	Santiago Metropolitan	
7738 Telemar Norte Leste	Campina Grande	Brazil	189.71.64.103	Paraíba	
7738 Telemar Norte Leste	Rio de Janeiro	Brazil	189.49.182.102	Rio de Janeiro	
3151 Uninet S.A. de C.V.	Toluca	Mexico	189.251.90.215	Estado de Mexico	50071
3151 Uninet S.A. de C.V.	Lerma de Villada	Mexico	189.251.12.120	Estado de Mexico	52004
3151 Uninet S.A. de C.V.	Ixtapaluca	Mexico	189.242.55.112	Estado de Mexico	56530
3151 Uninet S.A. de C.V.	Pachuca	Mexico	189.241.95.230	Hidalgo	42184
3151 Uninet S.A. de C.V.	Durango	Mexico	189.238.144.65	Durango	34167
3151 Uninet S.A. de C.V.	Chihuahua City	Mexico	189.231.224.45	Chihuahua	31104
3151 Uninet S.A. de C.V.	Irapuato	Mexico	189.187.204.113	Guanajuato	36585
3151 Uninet S.A. de C.V.	Querétaro City	Mexico	189.180.58.85	Querétaro	76120
3151 Uninet S.A. de C.V.	Guaymas	Mexico	189.176.120.245	Sonora	85444
3151 Uninet S.A. de C.V.	Mazatlán	Mexico	189.173.22.190	Sinaloa	82124
3151 Uninet S.A. de C.V.	Puebla City	Mexico	189.164.171.127	Puebla	72270
3151 Uninet S.A. de C.V.	Mexico City	Mexico	189.151.62.115	Mexico City	63000
3151 Uninet S.A. de C.V.	Monterrey	Mexico	189.145.36.57	Nuevo León	64720
3151 Uninet S.A. de C.V.	Ciudad Valles	Mexico	189.145.23.107	San Luis Potosí	79020
3151 Uninet S.A. de C.V.	Mexico City	Mexico	189.134.170.216	Mexico City	63000
3151 Uninet S.A. de C.V.	Mexico City	Mexico	189.131.186.80	Mexico City	08500
3151 Uninet S.A. de C.V.	Mexico City	Mexico	189.131.170.52	Mexico City	08500
6735 ALGAR TELECOM	Goiânia	Brazil	189.112.103.233	Goiás	
3167 Brasil Telecom S/A - Distrito Federal	Brasília	Brazil	189.11.235.34	Federal District	
7738 Telemar Norte Leste	Niterói	Brazil	189.106.174.50	Rio de Janeiro	
7738 Telemar Norte Leste	Feira de Santana	Brazil	189.105.246.161	Bahia	
8573 CLARO S.A.	Sorocaba	Brazil	189.101.145.2	Sao Paulo	
209 Vodafone GmbH	Freiburg	Germany	188.98.67.74	Baden-Württemberg Region	79106

3209 Vodafone GmbH	Gross-Umstadt	Germany	188.97.194.159	Hesse	64823
3209 Vodafone GmbH	Neuss	Germany	188.96.101.79	North Rhine-Westphalia	41462
3243 Servicos De nunicacoes E Multimedia	Leiria	Portugal	188.82.225.180	Leiria	2400-6
3243 Servicos De nunicacoes E Multimedia	Viseu	Portugal	188.82.19.115	Viseu	3500-6
2715 Orange Espagne U.	Madrid	Spain	188.78.41.29	Madrid	28045
3303 Swisscom (Switzerland)	Hunzenschwil	Switzerland	188.63.88.11	Aargau	5502
3303 Swisscom (Switzerland)	Zurich	Switzerland	188.62.220.172	Zurich	8037
3303 Swisscom (Switzerland)	Lucerne	Switzerland	188.60.25.187	Lucerne	6003
3468 Entanet	Southampton	United Kingdom	188.39.146.61	England	SO14
32353 Vodafone Portugal - nunicacoes Pessoais S.A.	Vila Nova de Gaia	Portugal	188.37.71.201	Porto	4400-6
3386 Vodafone Net Iletisim metleri Anonim Sirketi	Artvin	Turkey	188.3.245.125	Artvin	08000
35807 SkyNet Ltd.	St Petersburg	Russia	188.243.77.143	St.-Petersburg	19081
30604 Sc Media Sud Srl	Alexandria	Romania	188.241.202.6	Teleorman	14000
3708 RCS & RDS	Cluj-Napoca	Romania	188.24.57.108	Judetul Cluj	40039
39435 JSC ER-Telecom ding	Volgograd	Russia	188.233.37.170	Volgogradskaya Oblast'	
30543 JSC ER-Telecom ding	Saratov	Russia	188.232.27.119	Saratovskaya Oblast'	41096
29256 Syrian Telecom	Damascus	Syria	188.229.217.74	Damascus Governorate	
34682 Sil-miro Com Srl	Bucharest	Romania	188.210.88.156	Bucuresti	05001
32652 inexo rmationstechnologie und kommunikation Gmbh	Losheim	Germany	188.210.48.109	Saarland	66679
32880 Information hnnology Company (ITC)	Tehran	Iran	188.209.73.74	Ostan-e Tehran	
31042 Serbia adBand-Srpske Kablovske ze d.o.o.	Novi Sad	Serbia	188.2.39.22	Vojvodina	
31334 Vodafone Kabel tschland GmbH	Wurzburg	Germany	188.193.52.64	Bavaria	97072
31786 JSC ER-Telecom ding	Yoshkar-Ola	Russia	188.187.146.172	Respublika Mariy-El	42403
3292 Tele Danmark	Holbaek	Denmark	188.176.42.235	Zealand	4300
39501 Neda Gostar Saba a Transfer Company Private t Stock	Tehran	Iran	188.158.41.155	Ostan-e Tehran	

2824 home.pl S.A.	Szczecin	Poland	188.128.186.209	West Pomeranian Voivodeship	
3209 Vodafone GmbH	Baunatal	Germany	188.107.45.81	Hesse	34225
3209 Vodafone GmbH	Maintal	Germany	188.107.45.219	Hesse	63477
27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	187.74.123.74	Sao Paulo	
28573 CLARO S.A.	Campinas	Brazil	187.64.247.111	Sao Paulo	
22689 Sercomtel Participações S.A.	Londrina	Brazil	187.62.58.103	Parana	
28644 Brasilsite de Comunicações Ltda.	Barueri	Brazil	187.60.237.129	Sao Paulo	
28573 CLARO S.A.	São Paulo	Brazil	187.38.169.70	Sao Paulo	
26735 ALGAR TELECOM	Goiânia	Brazil	187.32.34.105	Goiias	
3151 Uninet S.A. de C.V.	Aguascalientes	Mexico	187.233.126.73	Aguascalientes	20000
3151 Uninet S.A. de C.V.	Mexico City	Mexico	187.228.164.159	Mexico City	63000
3151 Uninet S.A. de C.V.	Mexico City	Mexico	187.221.27.233	Mexico City	55100
3151 Uninet S.A. de C.V.	San Nicolás de los Garza	Mexico	187.209.125.104	Nuevo León	65516
3151 Uninet S.A. de C.V.	San Nicolás de los Garza	Mexico	187.209.124.45	Nuevo León	65516
3151 Uninet S.A. de C.V.	Mexico City	Mexico	187.207.40.218	Mexico City	63000
3151 Uninet S.A. de C.V.	Mexico City	Mexico	187.206.46.70	Mexico City	63000
3503 Axtel, S.A.B. de C.V.	Zapopan	Mexico	187.178.243.245	Jalisco	45136
3503 Axtel, S.A.B. de C.V.	Santa Catarina	Mexico	187.163.72.104	Nuevo León	66196
3151 Uninet S.A. de C.V.	Mexico City	Mexico	187.159.184.198	Mexico City	63000
3151 Uninet S.A. de C.V.	Orizaba	Mexico	187.146.133.77	Veracruz	94320
3151 Uninet S.A. de C.V.	Guadalajara	Mexico	187.144.187.1	Jalisco	44110
3151 Uninet S.A. de C.V.	Coatzacoalcos	Mexico	187.135.24.194	Veracruz	96499
3151 Uninet S.A. de C.V.	Villahermosa	Mexico	187.132.197.252	Tabasco	86000
27738 Telemar Norte Leste S.A.	Volta Redonda	Brazil	187.126.130.52	Rio de Janeiro	
26599 TELEFÔNICA BRASIL S.A	Rio de Janeiro	Brazil	187.118.49.217	Rio de Janeiro	
28364 SERVIÇOS E COMUNICAÇÃO LTDA	Fatima	Brazil	187.111.114.19	Minas Gerais	
33127 VB Telecom Com. e Serv. de Info Ltda	Monsenhor Paulo	Brazil	187.110.128.226	Minas Gerais	37405
27699 TELEFÔNICA BRASIL S.A	Matao	Brazil	187.101.22.168	Sao Paulo	
11556 Cable & Wireless Panama	Panama City	Panama	186.73.181.164	Provincia de Panama	
3471 ENTEL CHILE S.A.	Santiago	Chile	186.67.16.66	Santiago Metropolitan	
27668 ETAPA EP	Cuenca	Ecuador	186.43.193.102	Provincia del Azuay	
9429 Colombia	Cartagena	Colombia	186.155.121.191	Departamento de Bolivar	
30318 CABLEVISION S.A.	Hurlingham	Argentina	186.138.146.90	Buenos Aires	1686

816 COLOMBIA ECOMUNICACIONES S.A. P	Bogotá (Teusaquillo)	Colombia	186.114.234.122	Bogota D.C.	
471 ENTEL CHILE S.A.	Santiago	Chile	186.10.151.108	Santiago Metropolitan	
9455 Get AS	Ranheim	Norway	185.71.211.161	Sor-Trondelag Fylke	7053
9607 Sharedband Technologies, LLC	Ipswich	United Kingdom	185.31.153.161	England	
	Paris	France	185.244.39.153	Île-de-France	
2498 Gerkon Ltd.	Polevskoy	Russia	185.232.137.187	Sverdlovskaya Oblast'	62338
99290 Instalaciones Y Servicios Mowitel S.I.	Marbella	Spain	185.196.201.13	Andalusia	29603
201453 Nostravant S.I.I.	Castelló de la Plana	Spain	185.183.17.149	Valencia	
44808 EG Norge AS	Gjøvik	Norway	185.175.96.4	Oppland	2825
8504 OpenIP SARL	Montverdun	France	185.12.98.252	Auvergne-Rhone-Alpes	42130
20940 Akamai International .	Cambridge	United States	184.50.38.112	Massachusetts	02142
20940 Akamai International .	Cambridge	United States	184.30.73.22	Massachusetts	02142
7974 PT Telekomunikasi Indonesia	Cambridge	United States	184.30.161.172	Massachusetts	02142
209 Qwest Communications Company, LLC	Fayetteville	United States	184.2.211.116	North Carolina	28311
209 Qwest Communications Company, LLC	Pekin	United States	184.158.247.124	Illinois	61554
209 Qwest Communications Company, LLC	Phoenix	United States	184.103.220.35	Arizona	85053
284 Savvis	Tallahassee	United States	184.1.94.15	Florida	32312
134 No.31,Jin-rong Street	Chongqing	China	183.67.163.26	Chongqing	
134 No.31,Jin-rong Street	Chongqing	China	183.65.72.169	Chongqing	
808 Guangdong Mobile Communication Co.Ltd.	Beijing (Xicheng Qu)	China	183.255.198.133	Beijing	
808 Guangdong Mobile Communication Co.Ltd.	Chongqing	China	183.230.108.71	Chongqing	
134 No.31,Jin-rong Street	Jinhua	China	183.147.205.94	Zhejiang	
4766 Korea Telecom	Busan	Republic of Korea	183.103.89.145	Busan	
4766 Korea Telecom	Seoul	Republic of Korea	183.101.136.188	Seoul	
24560 Bharti Airtel Ltd., Media Services	Raipur	India	182.77.75.189	Chhattisgarh	49200
34009 NETCOM ENTERPRISES PVT LTD	Mumbai	India	182.50.70.57	Maharashtra	40005
59050 Beijing Cloud-Ark Technology Co.,Ltd.	Hangzhou	China	182.49.19.137	Zhejiang	
59050 Beijing Cloud-Ark Technology Co.,Ltd.	Hangzhou	China	182.49.120.123	Zhejiang	

1134 No.31,Jin-rong Street	Nanjing	China	182.38.169.123	Jiangsu	
1134 No.31,Jin-rong Street	Jinan	China	182.38.112.96	Shandong	
17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	182.229.225.90	Seoul	
17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	182.225.25.73	Seoul	
17858 LG POWERCOMM	Pohang	Republic of Korea	182.216.236.80	Gyeongsangbuk-do	
15595 Pakistan Telecom Company Limited	Islamabad	Pakistan	182.184.231.61	Islamabad	21061
1134 No.31,Jin-rong Street	Chengdu	China	182.150.204.217	Sichuan	
10620 Telmex Colombia S.A.	Bogotá	Colombia	181.61.8.77	Bogota D.C.	11131
10620 Telmex Colombia S.A.	Bogotá (Chapinero)	Colombia	181.54.12.215	Bogota D.C.	
10481 Prima S.A.	La Plata	Argentina	181.231.152.134	Buenos Aires	1900
10481 Prima S.A.	Buenos Aires	Argentina	181.228.98.66	Buenos Aires F.D.	34034
18573 CLARO S.A.	Pelotas	Brazil	181.220.115.242	Rio Grande do Sul	
17727 Hondutel	Tegucigalpa	Honduras	181.210.15.123	Departamento de Francisco Morazan	
13489 EPM Comunicaciones S.A. E.S.P.	Medellín	Colombia	181.143.7.177	Antioquia	05000
13489 EPM Comunicaciones S.A. E.S.P.	Medellín	Colombia	181.143.250.199	Antioquia	05000
17974 PT Telekomunikasi Indonesia	Surabaya	Indonesia	180.254.51.38	East Java	
17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	180.230.102.213	Seoul	
124164 YEONG JIA LEH BLE TV CO., LTD.	Taipei	Taiwan	180.218.210.158	Taipei City	
123969 TOT Public Company Limited	Si Racha	Thailand	180.180.4.252	Changwat Chon Buri	20110
1812 China Telecom (Group)	Shanghai	China	180.175.74.246	Shanghai	
1812 China Telecom (Group)	Shanghai	China	180.154.113.234	Shanghai	
1134 No.31,Jin-rong Street	Rugao	China	180.120.75.230	Jiangsu	
1134 No.31,Jin-rong Street	Hangzhou	China	180.120.171.185	Zhejiang	
1134 No.31,Jin-rong Street	Wuxi	China	180.114.74.131	Jiangsu	
1134 No.31,Jin-rong Street	Wuxi	China	180.113.24.251	Jiangsu	
17729 Sunokman Ltd	Panama City	Panama	179.63.130.172	Provincia de Panama	
16400 Compañía Dominicana de Teléfonos, C. por A. - DETEL	Santo Domingo	Dominican Republic	179.53.108.12	Nacional	10206
1816 COLOMBIA TELECOMUNICACIONES S.A. P	Bogotá (Teusaquillo)	Colombia	179.33.45.130	Bogota D.C.	
18573 CLARO S.A.	Porto Alegre	Brazil	179.219.201.91	Rio Grande do Sul	
18331 PaintWeb Internet S.A.	Pouso Alegre	Brazil	179.191.147.235	Minas Gerais	37550

028573 CLARO S.A.	Uberlândia	Brazil	179.155.74.70	Minas Gerais	
026599 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	179.147.12.14	Sao Paulo	
027699 TELEFÔNICA BRASIL S.A	Cotia	Brazil	179.110.63.169	Sao Paulo	
02389 PJSC Rostelecom	Ukhta	Russia	178.68.199.213	Komi	16930
03209 Vodafone GmbH	Wuppertal	Germany	178.6.10.90	North Rhine-Westphalia	42289
02730 Sunrise Communications AG	Thierrens	Switzerland	178.38.71.90	Vaud	1410
03209 Vodafone GmbH	Hamburg	Germany	178.3.14.40	Hamburg	22087
050789 Amatek Ltd	Posad	Russia	178.218.53.20	Novgorodskaya Oblast'	17352
051101 Rewolucja-Net Marcelli S.A. S.A.	Lubliniec	Poland	178.217.113.107	Silesia	42-70
03209 Vodafone GmbH	Stuttgart	Germany	178.2.115.54	Baden-Württemberg Region	70173
03303 Swisscom (Switzerland)	Crissier	Switzerland	178.192.152.49	Vaud	1023
03303 Swisscom (Switzerland)	Oberstocken	Switzerland	178.192.14.144	Bern	3632
0202761 Micro Servizi di Informatica S.p.A.	Francofonte	Italy	178.19.167.176	Sicily	96015
02389 PJSC Rostelecom	Barnaul	Russia	178.187.223.176	Altai Krai	65893
025459 NedZone Internet BV	Schoonhoven	Netherlands	178.18.135.61	South Holland	2872
020807 WEST CALL SPb LLC	St Petersburg	Russia	178.162.104.20	St.-Petersburg	19737
0206791 Slobozhenyuk B.Y.	Kiev (Podil's'kyi district)	Ukraine	178.159.37.134	Kyiv City	
023188 Content Delivery Network Ltd	Kharkiv	Ukraine	178.150.239.246	Kharkivs'ka Oblast'	61009
03209 Vodafone GmbH	Zwickau	Germany	178.14.143.237	Saxony	08060
02848 Telenet BVBA	Maldegem	Belgium	178.117.134.202	Flanders	9990
02848 Telenet BVBA	Bruges	Belgium	178.116.16.223	Flanders	8310
03209 Vodafone GmbH	Mannheim	Germany	178.10.55.87	Baden-Württemberg Region	68219
03209 Vodafone GmbH	Chemnitz	Germany	178.0.32.217	Saxony	09130
028573 CLARO S.A.	Poco da Pedra	Brazil	177.65.104.19	Ceara	
029182 TELEFÔNICA BRASIL S.A	Bora	Brazil	177.45.144.243	Sao Paulo	
0262279 Agencia na Web S.A. S.A.	Niterói	Brazil	177.36.30.224	Rio de Janeiro	
03167 Brasil Telecom S/A - S.A.	Ponta Porã	Brazil	177.3.231.1	Mato Grosso do Sul	
026615 Tim Celular S.A.	São Paulo	Brazil	177.219.224.186	Sao Paulo	
03167 Brasil Telecom S/A - S.A.	Sabia	Brazil	177.201.242.79	Parana	
0262526 Titania Telecom	Rondonópolis	Brazil	177.200.181.170	Mato Grosso	

52928 JANAJÁ SERVIÇOS DA	Bocaiuva	Brazil	177.185.91.9	Minas Gerais	39390
6615 Tim Celular S.A.	Taboao da Serra	Brazil	177.164.120.177	Sao Paulo	
52547 Rodrigo José Marasca da Ltda	Campo Verde	Brazil	177.152.183.78	Mato Grosso do Sul	
52542 3Net Comunicações Ltda-ME	Birigui	Brazil	177.152.148.234	Sao Paulo	
98050 ALFA-SYSTEM M. owarski, A. Widera Spolka na	Knurow	Poland	176.97.31.159	Silesia	44-19
3352 Telefonica De Espana	Madrid	Spain	176.82.189.17	Madrid	
257 TELE2	Malmo (Limhamn)	Sweden	176.64.251.109	Skåne	
607 Sky UK Limited	Stoke-on-Trent	United Kingdom	176.27.64.95	England	ST4
607 Sky UK Limited	Oxford	United Kingdom	176.27.48.89	England	OX1
607 Sky UK Limited	Paddington	United Kingdom	176.251.7.152	England	W2
607 Sky UK Limited	Manchester	United Kingdom	176.250.136.209	England	M40
607 Sky UK Limited	Stockton-on-Tees	United Kingdom	176.249.56.254	England	TS17
607 Sky UK Limited	Northampton	United Kingdom	176.248.216.52	England	NN1
5805 JSC Silknet	Tbilisi	Georgia	176.221.216.48	K'alak'i T'bilisi	
386 Vodafone Net Iletisim metleri Anonim Sirketi	Istanbul	Turkey	176.218.70.13	Istanbul	
99061 KM-NET Marek pol	Czchow	Poland	176.122.214.143	Lesser Poland Voivodeship	32-86
8730 ARTNET LTD	Artemivs\'k	Ukraine	176.121.247.91	Donetsk	
8271 FOP Gubina Lubov rivna	Donetsk	Ukraine	176.119.10.155	Donets'ka Oblast'	
98715 Orbita Ltd.	Yekaterinburg	Russia	176.115.73.112	Sverdlovskaya Oblast'	62422
9728 Maflik Group S.A.	Luhansk	Ukraine	176.113.254.31	Luhans'ka Oblast'	
21219 Private Joint Stock npany datagroup	Kharkiv (Kyivs\'kyi district)	Ukraine	176.102.57.245	Kharkiv	
4766 Korea Telecom	Suncheon	Republic of Korea	175.249.133.186	Jeollanam-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	175.241.3.25	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	175.238.241.46	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	175.234.54.38	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	175.225.165.210	Gyeonggi-do	
4766 Korea Telecom	Miryang	Republic of Korea	175.215.139.59	Gyeongsangnam-do	

1766 Korea Telecom	Seongnam-si	Republic of Korea	175.201.91.4	Gyeonggi-do	
1134 No.31,Jin-rong Street	Lengshuijiang	China	175.2.4.142	Hunan	
1766 Korea Telecom	Seoul	Republic of Korea	175.197.148.62	Seoul	
1766 Korea Telecom	Gunpo	Republic of Korea	175.196.218.126	Gyeonggi-do	
1766 Korea Telecom	Seoul	Republic of Korea	175.193.27.170	Seoul	
1766 Korea Telecom	Seoul	Republic of Korea	175.193.213.143	Seoul	
1766 Korea Telecom	Seoul	Republic of Korea	175.193.2.180	Seoul	
0365 its communications Inc.	Kawasaki	Japan	175.177.130.70	Kanagawa	210-0
1837 CHINA UNICOM na169 Backbone	Shenyang	China	175.174.89.52	Liaoning	
1837 CHINA UNICOM na169 Backbone	Changchun	China	175.16.204.12	Jilin	
1788 TM Net, Internet Service Provider	Kajang	Malaysia	175.141.99.81	Selangor	43007
0318 SK Broadband Co Ltd	Incheon	Republic of Korea	175.126.110.234	Incheon	
0318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	175.119.176.25	Seoul	
02773 Cox Communications	Glastonbury (South Glastonbury)	United States	174.77.21.252	Connecticut	
0922 Comcast Cable Communications, LLC	Chambersburg	United States	174.55.127.181	Pennsylvania	17201
0922 Comcast Cable Communications, LLC	Minneapolis	United States	174.53.168.12	Minnesota	55443
0922 Comcast Cable Communications, LLC	Marietta	United States	174.49.68.211	Georgia	30066
0922 Comcast Cable Communications, LLC	Hanover	United States	174.49.246.130	Pennsylvania	17331
0209 Qwest Communications Company, LLC	Minneapolis	United States	174.20.105.78	Minnesota	55426
0209 Qwest Communications Company, LLC	Denver	United States	174.16.227.245	Colorado	80210
0796 Time Warner Cable Internet LLC	Cincinnati	United States	174.101.152.79	Ohio	45209
0796 Time Warner Cable Internet LLC	Cleveland	United States	173.91.33.210	Ohio	44124
0701 MCI Communications Services, Inc. d/b/a Verizon Business	Lexington	United States	173.76.108.96	Massachusetts	02421
0701 MCI Communications Services, Inc. d/b/a Verizon Business	Fredericksburg	United States	173.71.205.8	Virginia	22405

701 MCI Communications Services, Inc. d/b/a Verizon Business	Matawan	United States	173.63.250.205	New Jersey	07747
701 MCI Communications Services, Inc. d/b/a Verizon Business	Valley Stream	United States	173.56.4.188	New York	11581
701 MCI Communications Services, Inc. d/b/a Verizon Business	Hollis	United States	173.52.93.250	New York	11423
26347 New Dream Network, C	Brea	United States	173.236.223.89	California	92821
5056 Aureon Network Services	Clarence	United States	173.215.127.114	Iowa	52216
32097 WholeSale Internet, C	Kansas City	United States	173.208.186.230	Missouri	64151
30036 Mediacom Communications Corp	Knox	United States	173.19.21.173	Indiana	46534
33363 BRIGHT HOUSE NETWORKS, LLC	Tampa	United States	173.170.105.118	Florida	33614
7922 Comcast Cable Communications, LLC	Waltham	United States	173.162.228.206	Massachusetts	02453
22384 NationalNet, Inc.	Mableton	United States	173.0.74.98	Georgia	30126
20940 Akamai International	Cambridge	United States	172.224.180.243	Massachusetts	02142
20001 Time Warner Cable Internet LLC	Temecula	United States	172.117.238.23	California	92591
4134 No.31,Jin-rong Street	Chengdu	China	171.91.232.66	Sichuan	
4134 No.31,Jin-rong Street	Wuhan	China	171.80.32.19	Hubei	
5758 Triple T Internet/Triple Broadband	Bangkok	Thailand	171.7.71.84	Bangkok	10160
24560 Bharti Airtel Ltd., Media Services	Chennai	India	171.60.203.41	Tamil Nadu	60000
34977 Procono S.A.	Cordova	Spain	171.33.233.103	Andalusia	14610
7552 Viettel Group	Thuan An	Vietnam	171.246.247.254	Tinh Quang Nam	
7552 Viettel Group	Thuan An	Vietnam	171.239.207.139	Tinh Quang Nam	
7552 Viettel Group	Bien Hoa	Vietnam	171.226.37.145	Tinh GJong Nai	
837 CHINA UNICOM China169 Backbone	Taiyuan	China	171.118.213.17	Shanxi	
837 CHINA UNICOM China169 Backbone	Taiyuan	China	171.117.124.244	Shanxi	
4134 No.31,Jin-rong Street	Guigang	China	171.104.159.119	Guangxi	
28636 CDI TELECOM	Angelina	Brazil	170.150.71.207	Santa Catarina	88460
53062 G G NET - Telecomunicações LTDA EPP	Caçador	Brazil	170.150.238.238	Santa Catarina	89500
54994 QUANTIL NETWORKS INC	Pasadena	United States	168.235.202.173	California	91102

22552 eSited Solutions	Los Angeles	United States	167.88.193.253	California	90017
22394 Cellco Partnership A Verizon Wireless	Chicago	United States	166.154.13.6	Illinois	
2054 Alameda County	Alameda	United States	166.107.81.125	California	94501
4061 DigitalOcean, LLC	Frankfurt am Main	Germany	165.227.152.119	Hesse	09039
33265 The Bank of Mitsubishi UFJ	Chesterfield	United States	165.193.134.66	Missouri	63017
2611 BELNET	Brussels	Belgium	164.15.161.211	Brussels Capital	1012
3512 Emory University	Atlanta	United States	163.246.231.121	Georgia	30322
20013 CyrusOne LLC	Provo	United States	162.241.227.223	Utah	84606
3816 COLOMBIA TECOMUNICACIONES S.A. P	Barranquilla	Colombia	161.18.145.146	Atlántico	
263740 Corporacion Telebanetsociety	La Ceiba	Honduras	161.0.9.232	Departamento de Atlantida	
36903 MT-MPLS	Agadir	Morocco	160.178.103.81	Souss-Massa	
766 Entidad Publica Presarial Red.es	Madrid	Spain	158.99.140.179	Madrid	28001
26269 Kronos Inc.	Lowell	United States	158.228.159.214	Massachusetts	01851
205087 Correos Telecom, S.A.	Madrid	Spain	158.172.227.197	Madrid	28001
210 Utah Education Network	Vernal	United States	155.99.68.24	Utah	84078
34548 DXTL Tseung Kwan Service	Los Angeles	United States	154.85.250.200	California	
37239 ICTGLOBE	Centurion	South Africa	154.70.232.44	Gauteng	0157
37457 Telkom-Internet	Cape Town	South Africa	154.69.179.161	Western Cape	7945
4713 NTT Communications Corporation	Nagano	Japan	153.129.27.247	Nagano	380-08
27699 TELEFÔNICA BRASIL S.A	Fernandopolis	Brazil	152.250.19.168	Sao Paulo	15600
5133 MCI Communications Services, Inc. d/b/a Verizon Business	Ashburn	United States	152.195.86.215	Virginia	20147
30318 CABLEVISION S.A.	Buenos Aires	Argentina	152.171.79.225	Buenos Aires F.D.	34034
267 Wind Telecomunicazioni SpA	San Lazzaro di Savena	Italy	151.61.31.178	Emilia-Romagna	40068
267 Wind Telecomunicazioni SpA	Prato	Italy	151.40.88.86	Tuscany	59100
5607 Sky UK Limited	Braintree	United Kingdom	151.229.42.227	England	CM7
5607 Sky UK Limited	Isleworth	United Kingdom	151.228.231.94	England	TW7

607 Sky UK Limited	Barking	United Kingdom	151.224.254.11	England	IG11
607 Sky UK Limited	Great Yarmouth	United Kingdom	151.224.155.91	England	NR30
267 Wind ecomunicazioni SpA	Milan	Italy	151.21.172.11	Lombardy	20125
701 MCI Communications vices, Inc. d/b/a Verizon iness	Bayonne	United States	151.202.47.12	New Jersey	07002
9651 Com Hem AB	Uppsala	Sweden	151.177.3.82	Uppsala	741 74
0112 Institute of Bioorganic mistry Polish Academy of ence, Poznan ercomputing and Networ	Poznan	Poland	150.254.122.163	Greater Poland	61-003
3888 TISP LIMITED	Beijing	China	150.242.213.185	Beijing Shi	
9562 Kabel BW	Kornwestheim	Germany	149.172.64.207	Baden-Württemberg Region	70806
9562 Kabel BW	Mannheim	Germany	149.172.184.140	Baden-Württemberg Region	68259
386 Vodafone Net Iletisim metleri Anonim Sirketi	Antalya	Turkey	149.140.232.244	Antalya	
386 Vodafone Net Iletisim metleri Anonim Sirketi	Istanbul	Turkey	149.0.52.116	Istanbul	
6128 Cablevision Systems p.	Brooklyn	United States	148.75.76.195	New York	11207
26496 GoDaddy.com, LLC	Scottsdale	United States	148.72.3.177	Arizona	85260
400 Compañía Dominicana Teléfonos, C. por A. - DETEL	Santo Domingo	Dominican Republic	148.101.106.131	Nacional	10206
59 SWITCH	Burgdorf	Switzerland	147.87.40.149	Bern	3400
0796 Time Warner Cable rnet LLC	Germantown	United States	147.0.59.209	Ohio	45327
1334 Vodafone Kabel tschland GmbH	Gera	Germany	146.52.65.45	Thuringia	07549
9961 Fingerprint hnologies	Valence	France	146.247.92.171	Auvergne-Rhone-Alpes	26000
243 Servicos De nunicacoes E Multimedia .	Maia	Portugal	144.64.112.219	Porto	4425-6
6024 Colo4, LLC	Los Angeles	United States	143.95.107.183	California	90014
224 National Center for ercomputing Applications	Midland	United States	143.219.166.217	Michigan	48674
3363 BRIGHT HOUSE TWORKS, LLC	Lake Mary	United States	142.196.67.78	Florida	32746
20001 Time Warner Cable rnet LLC	North Hollywood	United States	142.129.9.111	California	91601

50463 Triple C Cloud Computing Ltd.	Brisbane	Australia	141.226.193.117	Queensland	
50525 Online Technologies O	Kramatorsk	Ukraine	141.105.137.252	Donets'ka Oblast'	84305
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.71.83.227	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.71.209.104	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.65.64.155	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.54.150.77	Gyeonggi-do	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.44.151.88	Gyeonggi-do	
5899 VNPT Corp	Hanoi	Vietnam	14.243.72.80	Thanh Pho Ha Noi	
5899 VNPT Corp	Hung Yen	Vietnam	14.189.171.93	Tinh Hung Yen	
4755 TATA Communications herly VSNL is Leading ISP	Madanapalle	India	14.141.231.169	Andhra Pradesh	51732
4755 TATA Communications herly VSNL is Leading ISP	Bengaluru	India	14.140.216.194	Karnataka	
4134 No.31,Jin-rong Street	Yinchuan	China	14.135.72.224	Ningsia Hui Autonomous Region	
4134 No.31,Jin-rong Street	Yinchuan	China	14.135.184.127	Ningsia Hui Autonomous Region	
58466 CHINANET angdong province network	Zhuhai	China	14.119.117.174	Guangdong	
4134 No.31,Jin-rong Street	Chongqing	China	14.106.75.21	Chongqing	
4134 No.31,Jin-rong Street	Chongqing	China	14.105.179.169	Chongqing	
23700 Linknet-Fastnet ASN	Jakarta	Indonesia	139.193.18.147	Jakarta	
786 Jisc Services Limited	St Andrews	United Kingdom	138.251.236.132	Scotland	KY16
263263 GW ecomunicações Ltda	Rolante	Brazil	138.122.75.133	Rio Grande do Sul	95690
575 Australian Academic Reasearch Network (RNet)	Belconnen	Australia	137.92.56.101	Australian Capital Territory	2617
80 Verein zur Foerderung es Deutschen schungsnetzes e.V.	Duisburg	Germany	134.91.120.38	North Rhine-Westphalia	47138
3490 Buckeye Cablevision,	Sylvania	United States	134.228.130.128	Ohio	43560
20773 Host Europe GmbH	Hoest	Germany	134.119.101.78	North Rhine-Westphalia	47652
263682 CHILENETWORKS A	Santiago	Chile	131.161.57.224	Santiago Metropolitan	
843 Linkopings universitet	Linköping	Sweden	130.236.228.227	Östergötland	580 08
741 Tieteen tietotekniikan kus Oy	Turku	Finland	130.232.209.46	Finland Proper	20520

29 Yale University	New Haven	United States	130.132.77.1	Connecticut	06511
6509 Amazon.com, Inc.	Columbus	United States	13.58.157.121	Ohio	43215
786 Jisc Services Limited	Edinburgh	United Kingdom	129.215.88.64	Scotland	EH1
553 Universitaet Stuttgart	Heidelberg	Germany	129.206.241.246	Baden-Württemberg Region	69123
1898 Oracle Corporation	Redwood City	United States	129.146.30.58	California	94065
201 Old Dominion University	Norfolk	United States	128.82.207.133	Virginia	23529
676 University of Iowa	Iowa City	United States	128.255.31.211	Iowa	52242
676 University of Iowa	Iowa City	United States	128.255.12.107	Iowa	52242
80 Verein zur Foerderung des Deutschen Schachnetzes e.V.	Münster	Germany	128.176.71.195	North Rhine-Westphalia	48151
7676 Softbank BB Corp.	Hamamatsu	Japan	126.31.58.162	Shizuoka	432-8
7676 Softbank BB Corp.	Tsuyama	Japan	126.219.36.126	Okayama	708-0
7676 Softbank BB Corp.	Tokyo	Japan	126.218.1.30	Tokyo	190-0
7676 Softbank BB Corp.	Tokyo	Japan	126.150.51.119	Tokyo	190-0
7676 Softbank BB Corp.	Okazaki	Japan	126.100.231.17	Aichi	441-8
7858 LG POWERCOMM	Wonju	Republic of Korea	125.179.232.112	Gangwon-do	
7974 PT Telekomunikasi Indonesia	Palembang	Indonesia	125.165.178.128	South Sumatra	
4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	125.153.24.158	Gyeonggi-do	
4766 Korea Telecom	Goyang-si	Republic of Korea	125.141.132.117	Gyeonggi-do	
4766 Korea Telecom	Cheongju-si	Republic of Korea	125.140.141.43	North Chungcheong	
4766 Korea Telecom	Busan	Republic of Korea	125.134.91.92	Busan	
4766 Korea Telecom	Seoul	Republic of Korea	125.132.116.28	Seoul	
0036 DLIVE	Seoul	Republic of Korea	124.5.209.54	Seoul	
7917 Quadrant Ventures Limited	Phagwara	India	124.253.23.237	Punjab	14440
786 LG DACOM Corporation	Anyang-si (Deokcheon-ro)	Republic of Korea	124.194.254.41	Gyeonggi-do	
837 CHINA UNICOM China169 Backbone	Suzhou	China	124.131.38.84	Jiangsu	
134 No.31,Jin-rong Street	Linhai	China	123.97.183.58	Zhejiang	

34548 DXTL Tseung Kwan Service	Hong Kong	Hong Kong	123.60.14.25	Central and Western	
4808 China Unicom Beijing Province Network	Beijing	China	123.59.86.183	Beijing	
37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	123.56.224.6	Zhejiang	
4134 No.31,Jin-rong Street	Huludao	China	123.244.240.173	Liaoning	
4837 CHINA UNICOM na169 Backbone	Jinan	China	123.233.92.254	Shandong	
45090 Shenzhen Tencent Computer Systems Company Limited	Beijing	China	123.206.215.252	Beijing	
4134 No.31,Jin-rong Street	Changchun	China	123.172.112.74	Jilin	
4134 No.31,Jin-rong Street	Kaifeng	China	123.163.135.81	Henan	
4134 No.31,Jin-rong Street	Pingdingshan	China	123.160.18.195	Henan	
4837 CHINA UNICOM na169 Backbone	Dezhou	China	123.132.187.171	Shandong	
4808 China Unicom Beijing Province Network	Beijing	China	123.112.162.29	Beijing	
38097 QRIXNETJJ-AS-	Seoul	Republic of Korea	123.109.233.174	Seoul	
4837 CHINA UNICOM na169 Backbone	Zhengzhou	China	123.10.41.158	Henan	
4134 No.31,Jin-rong Street	Jinan	China	122.6.169.153	Shandong	
0299 Philippine Long Distance Telephone Company	Alingaro	Philippines	122.52.42.88	Calabarzon	1611
07858 LG POWERCOMM	Seoul	Republic of Korea	122.32.165.62	Seoul	
4134 No.31,Jin-rong Street	Ningbo	China	122.245.15.191	Zhejiang	
4134 No.31,Jin-rong Street	Hangzhou	China	122.225.218.153	Zhejiang	
07506 UCOM Corp.	Tokyo	Japan	122.220.201.121	Tokyo	190-00
04560 Bharti Airtel Ltd., Media Services	Chennai	India	122.174.113.128	Tamil Nadu	
04560 Bharti Airtel Ltd., Media Services	Chennai	India	122.164.255.197	Tamil Nadu	60009
0462 Data Communication Business Group	Taipei	Taiwan	122.116.212.29	Taipei City	
4134 No.31,Jin-rong Street	Yichang	China	121.63.86.103	Hubei	
0739 Internode Pty Ltd	Ashfield	Australia	121.44.242.24	New South Wales	2131
0755 TATA Communications formerly VSNL is Leading ISP	Bengaluru	India	121.244.90.212	Karnataka	56002
4837 CHINA UNICOM na169 Backbone	Handan	China	121.24.117.166	Hebei	
37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	121.199.62.172	Zhejiang	
37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	121.197.69.83	Zhejiang	

1713 NTT Communications Corporation	Nagano	Japan	121.115.124.212	Nagano	380-0
1134 No.31,Jin-rong Street	Sanming	China	120.35.243.89	Fujian	
87963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	120.24.248.24	Zhejiang	
87963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	120.24.171.35	Zhejiang	
837 CHINA UNICOM na169 Backbone	Hebei	China	120.0.220.80	Hebei	
7018 AT&T; Services, Inc.	Sturgeon Bay	United States	12.175.0.105	Wisconsin	54235
2567 GameStop, Inc.	Grapevine	United States	12.14.170.13	Texas	
1134 No.31,Jin-rong Street	Wuhan	China	119.97.214.6	Hubei	
758 SingNet	Singapore	Singapore	119.73.235.90	Central Singapore Community Development Council	
837 CHINA UNICOM na169 Backbone	Longjing	China	119.50.19.47	Jilin	
766 Korea Telecom	Busan (Myeongnyun-dong)	Republic of Korea	119.217.28.15	Busan	
837 CHINA UNICOM na169 Backbone	Jinan	China	119.180.174.88	Shandong	
837 CHINA UNICOM na169 Backbone	Taiyuan	China	118.81.79.98	Shanxi	
766 Korea Telecom	Seongnam-si	Republic of Korea	118.60.189.188	Gyeonggi-do	
766 Korea Telecom	Changwon	Republic of Korea	118.35.239.65	Gyeongsangnam-do	
1134 No.31,Jin-rong Street	Changsha	China	118.250.104.23	Hunan	
318 SK Broadband Co Ltd	Seoul	Republic of Korea	118.221.30.107	Seoul	
1134 No.31,Jin-rong Street	Lanzhou	China	118.180.85.216	Gansu	
0036 DLIVE	Ulsan	Republic of Korea	118.176.65.249	Ulsan	
786 LG DACOM Corporation	Seoul	Republic of Korea	118.130.193.22	Seoul	
976 Namincheon Broadcasting Co., Ltd.	Incheon	Republic of Korea	118.103.211.125	Incheon	
1134 No.31,Jin-rong Street	Xinpu	China	117.92.237.109	Jiangsu	
837 CHINA UNICOM na169 Backbone	Tianjin	China	117.9.230.171	Tianjin	
1134 No.31,Jin-rong Street	Hefei	China	117.71.83.9	Anhui	
1134 No.31,Jin-rong Street	Hefei	China	117.69.145.148	Anhui	
1134 No.31,Jin-rong Street	Xiamen	China	117.28.113.119	Fujian	
837 CHINA UNICOM na169 Backbone	Tianjin	China	117.14.102.140	Tianjin	

7488 Hathway IP Over le Internet	Jalalpur	India	116.74.88.47	Gujarat	39500
7858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	116.44.3.219	Seoul	
7858 LG POWERCOMM	Suwon	Republic of Korea	116.40.140.71	Gyeonggi-do	
7858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	116.38.37.72	Seoul	
7858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	116.34.210.100	Seoul	
9506 Singtel Fibre adband	Singapore	Singapore	116.14.92.16	Central Singapore Community Development Council	
24086 Viettel Corporation	Tay Ninh	Vietnam	116.106.233.196	Tinh Tay Ninh	
24086 Viettel Corporation	Da Nang	Vietnam	116.103.154.25	Thanh Pho GJa Nang	
837 CHINA UNICOM na169 Backbone	Luoyang	China	115.63.184.244	Henan	
837 CHINA UNICOM na169 Backbone	Luoyang	China	115.50.172.25	Henan	
837 CHINA UNICOM na169 Backbone	Zhengzhou	China	115.49.209.133	Henan	
0066 CJ Hello Co., Ltd.	Busan	Republic of Korea	115.41.9.163	Busan	
134 No.31,Jin-rong Street	Wenzhou	China	115.234.139.148	Zhejiang	
7858 LG POWERCOMM	Seoul	Republic of Korea	115.137.215.73	Seoul	
766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	115.11.116.99	Gyeonggi-do	
761 INDOSAT Internet work Provider	Bekasi	Indonesia	114.6.4.153	West Java	
462 Data Communication iness Group	Taipei	Taiwan	114.45.85.194	Taipei City	
808 China Unicom Beijing vince Network	Beijing	China	114.249.194.254	Beijing	
808 China Unicom Beijing vince Network	Beijing	China	114.244.210.90	Beijing	
808 China Unicom Beijing vince Network	Beijing	China	114.241.133.223	Beijing	
23563 Tbroad Suwon adcasting Corporation	Suwon	Republic of Korea	114.108.113.231	Gyeonggi-do	
134 No.31,Jin-rong Street	Hefei	China	114.106.205.80	Anhui	
134 No.31,Jin-rong Street	Huangshan City	China	114.104.154.67	Anhui	
134 No.31,Jin-rong Street	Lhasa	China	113.62.121.95	Tibet	
304 Hutchison Global munications	Tung Hing	Hong Kong	113.253.112.117		
134 No.31,Jin-rong Street	Changsha	China	113.241.12.207	Hunan	
837 CHINA UNICOM na169 Backbone	Anshan	China	113.228.30.86	Liaoning	

15899 VNPT Corp	Vinh Phuc	Vietnam	113.177.66.8	Tinh Quang Nam	
1134 No.31,Jin-rong Street	Xi'an	China	113.143.66.226	Shaanxi	
1134 No.31,Jin-rong Street	Zibo	China	113.121.125.94	Shandong	
17816 China Unicom IP Network China169 Guangdong Province	Jiangmen	China	112.91.103.105	Guangdong	
1837 CHINA UNICOM China169 Backbone	Nantong	China	112.85.132.21	Jiangsu	
136011 ONE-STOP Computer Science and Tech Ltd	Guangzhou	China	112.75.182.174	Guangdong	
124444 Shandong Mobile Communication Company Limited	Leling	China	112.36.8.71	Shandong	
1837 CHINA UNICOM China169 Backbone	Qingdao	China	112.253.5.5	Shandong	
1837 CHINA UNICOM China169 Backbone	Shanghai	China	112.252.65.81	Shanghai	
1837 CHINA UNICOM China169 Backbone	Linyi	China	112.251.159.91	Shandong	
1837 CHINA UNICOM China169 Backbone	Weifang	China	112.244.60.95	Shandong	
1837 CHINA UNICOM China169 Backbone	Linyi	China	112.234.71.211	Shandong	
1837 CHINA UNICOM China169 Backbone	Jinan	China	112.229.154.225	Shandong	
1837 CHINA UNICOM China169 Backbone	Zibo	China	112.227.187.96	Shandong	
1766 Korea Telecom	Cheongju-si	Republic of Korea	112.182.187.231	Chungcheongbuk-do	
1766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	112.178.133.134	Gyeonggi-do	
17858 LG POWERCOMM	Seoul	Republic of Korea	112.159.110.23	Seoul	
12516 KDDI CORPORATION	Koga	Japan	111.97.104.184	Fukuoka	811-3
124444 Shandong Mobile Communication Company Limited	Weifang	China	111.35.65.138	Shandong	
1808 China Unicom Beijing Province Network	Beijing	China	111.193.222.232	Beijing	
1837 CHINA UNICOM China169 Backbone	Tianjin	China	111.167.192.150	Tianjin	
1762 HYUNDAI COMMUNICATIONS & NETWORK	Seoul	Republic of Korea	110.35.175.115	Seoul	
1837 CHINA UNICOM China169 Backbone	Qinhuangdao	China	110.255.245.125	Hebei	
1837 CHINA UNICOM China169 Backbone	Hebei	China	110.250.51.212	Hebei	

837 CHINA UNICOM na169 Backbone	Shijiazhuang	China	110.249.98.152	Hebei	
4560 Bharti Airtel Ltd., Media Services	Chandigarh	India	110.225.250.68	Chandigarh	
134 No.31,Jin-rong Street	Taiyuan	China	110.177.190.13	Shanxi	
7552 True Internet Co.,Ltd.	Bangkok	Thailand	110.168.220.47	Bangkok	10170
134 No.31,Jin-rong Street	Xining	China	110.167.70.92	Qinghai	
3420 Eltronik Media Sp. z - Sp.k.	Zbiczno	Poland	109.95.169.43	Kujawsko-Pomorskie	87-30
400 TELEKOM SRBIJA a.d.	Belgrade	Serbia	109.93.112.155	Belgrade	
5557 SFR SA	Rennes	France	109.8.194.166	Brittany	35200
5557 SFR SA	Caissargues	France	109.30.176.149	Occitanie	30132
5513 OJS Moscow city phone network	Moscow	Russia	109.252.175.89	Moscow	10212
5557 SFR SA	Villeurbanne	France	109.24.189.207	Auvergne-Rhone-Alpes	69100
5557 SFR SA	Steene	France	109.22.67.90	Hauts-de-France	59380
5557 SFR SA	Douai	France	109.21.78.227	Hauts-de-France	59500
5540 OVH SAS	Paris	France	109.190.56.182	Île-de-France	
603 Telekom Slovenije d.d.	Trebnje	Slovenia	109.182.125.42	Trebnje	8210
6010 Magticom Ltd.	Tbilisi	Georgia	109.172.156.97	K'alak'i T'bilisi	
0129 Concisa, nunicacion, Marketing y vicios S.L.	Orihuela	Spain	109.167.33.244	Valencia	03189
9119 ServiHosting works S.L.	Alcazar de San Juan	Spain	109.167.10.228	Castille-La Mancha	13600
303 Swisscom (Switzerland)	Zurich (Wiedikon)	Switzerland	109.164.253.170	Zurich	
432 Proximus NV	Schaarbeek	Belgium	109.129.11.203	Brussels Capital	
5032 LLC Sip nis	Samara	Russia	109.124.205.104	Samarskaya Oblast'	40414
701 MCI Communications vices, Inc. d/b/a Verizon iness	Belmont	United States	108.7.73.83	Massachusetts	02478
701 MCI Communications vices, Inc. d/b/a Verizon iness	East Orange	United States	108.50.207.163	New Jersey	07017
701 MCI Communications vices, Inc. d/b/a Verizon iness	Newark	United States	108.5.180.203	New Jersey	07112
701 MCI Communications vices, Inc. d/b/a Verizon iness	Huntingdon Valley	United States	108.36.159.139	Pennsylvania	19006
3363 BRIGHT HOUSE TWORKS, LLC	Orlando	United States	108.188.47.52	Florida	32808
4600 PEG TECH INC	San Jose	United States	108.186.57.114	California	95113

701 MCI Communications Services, Inc. d/b/a Verizon Business	Pipersville	United States	108.16.139.46	Pennsylvania	18947
7922 Comcast Cable Communications, LLC	Canton	United States	107.5.92.48	Michigan	48188
53755 Input Output Flood	Phoenix	United States	107.189.135.218	Arizona	85034
8779 EGIHosting	San Jose	United States	107.187.63.215	California	95113
20001 Time Warner Cable Internet LLC	Carson	United States	107.185.241.197	California	90745
8779 EGIHosting	San Jose	United States	107.165.14.248	California	95113
7065 Sonoma Interconnect	Santa Rosa	United States	107.156.86.93	California	95407
1426 Time Warner Cable Internet LLC	Raleigh	United States	107.13.114.244	North Carolina	27609
6925 Orange Maroc	Casablanca	Morocco	105.190.156.92	Region du Grand Casablanca	
713 Itissalat Al-MAGHRIB	Rabat	Morocco	105.133.143.66	Region de Rabat-Sale-Zemmour-Zaer	
3491 Comcast Cable Communications, LLC	Cambridge	United States	104.98.68.224	Massachusetts	02142
20940 Akamai International	Amsterdam	Netherlands	104.94.165.29	North Holland	1091
20940 Akamai International	Amsterdam	Netherlands	104.81.245.4	North Holland	1091
20940 Akamai International	Cambridge	United States	104.80.145.233	Massachusetts	02142
6625 Akamai Technologies,	Amsterdam	Netherlands	104.76.22.81	North Holland	1091
7470 TRUE INTERNET Ltd.	Cambridge	United States	104.65.161.169	Massachusetts	02142
3335 Cloudflare Inc	Montreal	Canada	104.28.209.50	Quebec	
3335 Cloudflare Inc	Montreal	Canada	104.28.132.172	Quebec	
22552 eSited Solutions	Los Angeles	United States	104.221.155.174	California	90017
1404 vanoppen.biz LLC	Auburn	United States	104.220.101.223	California	95603
5169 Google LLC	Mountain View	United States	104.197.180.84	California	94043
6499 Spectrum Online Services LLC	Moses Lake	United States	104.193.237.99	Washington	98837
7018 AT&T; Services, Inc.	Oklahoma City	United States	104.187.138.183	Oklahoma	73159
3335 Cloudflare Inc	Montreal	Canada	104.18.125.110	Quebec	
3335 Cloudflare Inc	Montreal	Canada	104.16.24.49	Quebec	
3335 Cloudflare Inc	Montreal	Canada	104.16.190.179	Quebec	

5169 Google LLC	Mountain View	United States	104.154.172.87	California	94043
6394 Grid4 Communications, Inc	Lake Orion	United States	104.153.38.35	Michigan	48362
3363 BRIGHT HOUSE WORKS, LLC	Orlando	United States	104.136.65.241	Florida	32811
4061 DigitalOcean, LLC	Clifton	United States	104.131.2.65	New Jersey	07014
7357 Rackspace Ltd.	San Antonio	United States	104.130.61.193	Texas	78218
1845 Vox-Telecom	Cambridge	United States	104.127.124.65	Massachusetts	02142
0940 Akamai International	Amsterdam	Netherlands	104.121.135.181	North Holland	1091
837 CHINA UNICOM a169 Backbone	Beijing	China	101.72.25.28	Beijing	
837 CHINA UNICOM a169 Backbone	Yuyao	China	101.64.153.128	Zhejiang	
7963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	101.201.74.13	Zhejiang	
837 CHINA UNICOM a169 Backbone	Shijiazhuang	China	101.16.251.62	Hebei	
701 MCI Communications Services, Inc. d/b/a Verizon Business	Bethel Park	United States	100.6.122.94	Pennsylvania	15102
701 MCI Communications Services, Inc. d/b/a Verizon Business	Greenwich	United States	100.4.142.8	New York	12834
701 MCI Communications Services, Inc. d/b/a Verizon Business	Laurelton	United States	100.1.55.73	New Jersey	08723
134 No.31,Jin-rong Street	Anshun	China	1.48.163.217	Guizhou	
134 No.31,Jin-rong Street	Guizhou	China	1.48.136.15	Hubei	
318 SK Broadband Co Ltd	Ansan-si	Republic of Korea	1.242.139.43	Gyeonggi-do	
318 SK Broadband Co Ltd	Seoul	Republic of Korea	1.239.184.148	Seoul	
134 No.31,Jin-rong Street	Pingdingshan	China	1.194.85.166	Henan	