

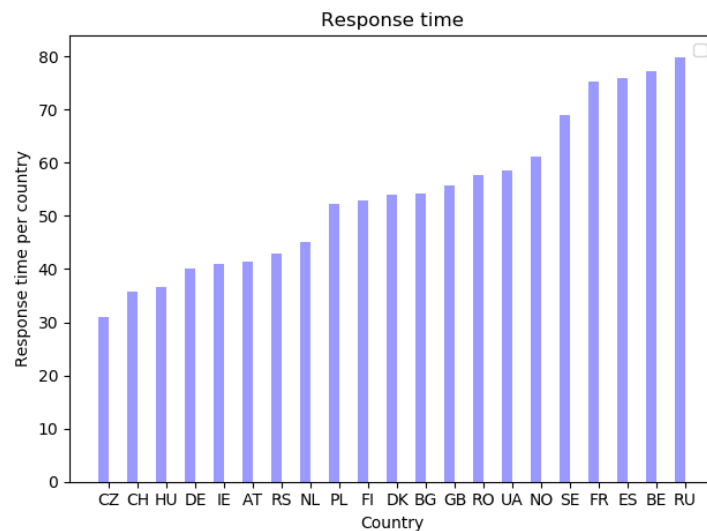
Tue Feb 20 20:49:41 2018

Totally pinged IP-Adresses: 30000
Responding IP-Adresses: 604
Not responding IP-Adresses: 29396
Percentage: 2.013

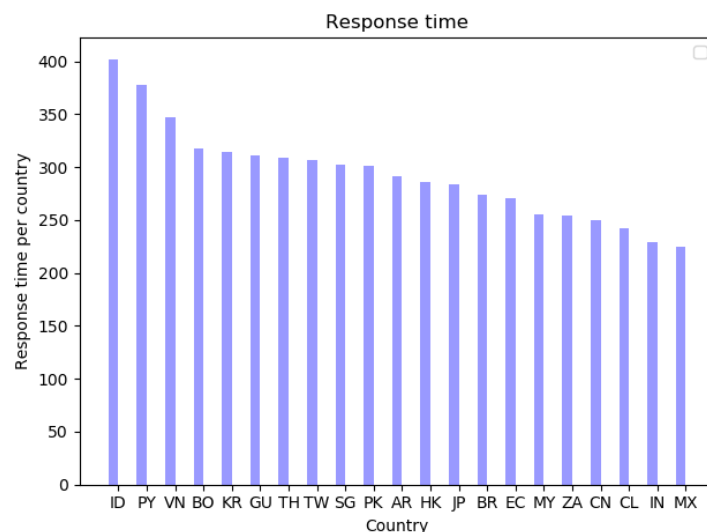
Time-Stats:

The average response time was 167.27

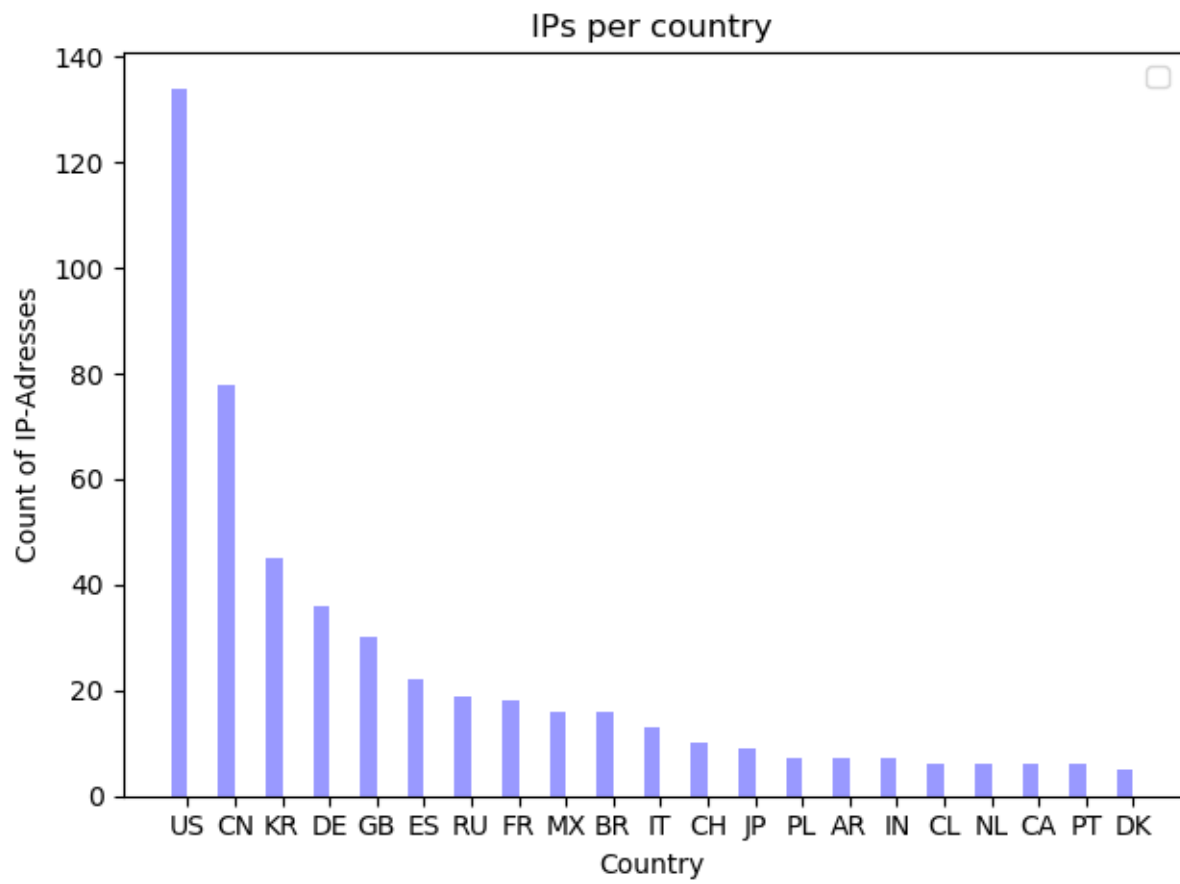
Average response time for every country (DESCENDING):



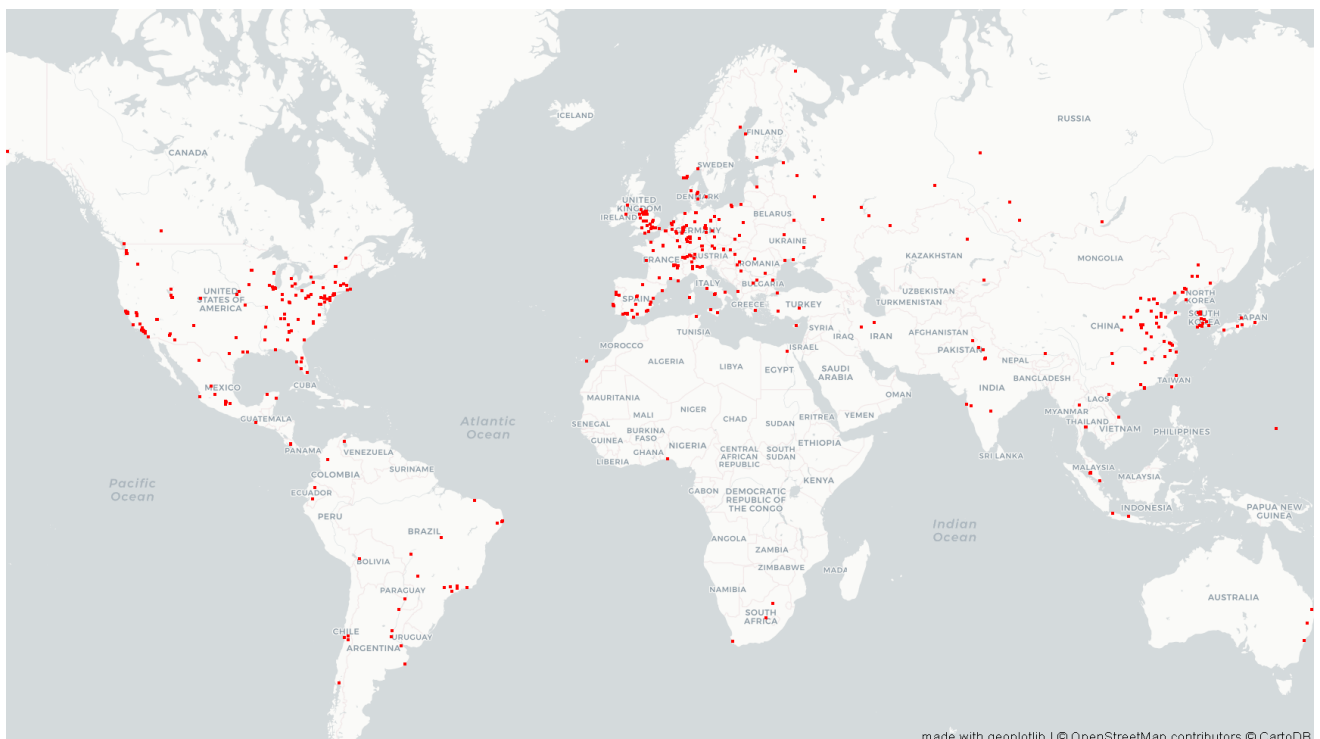
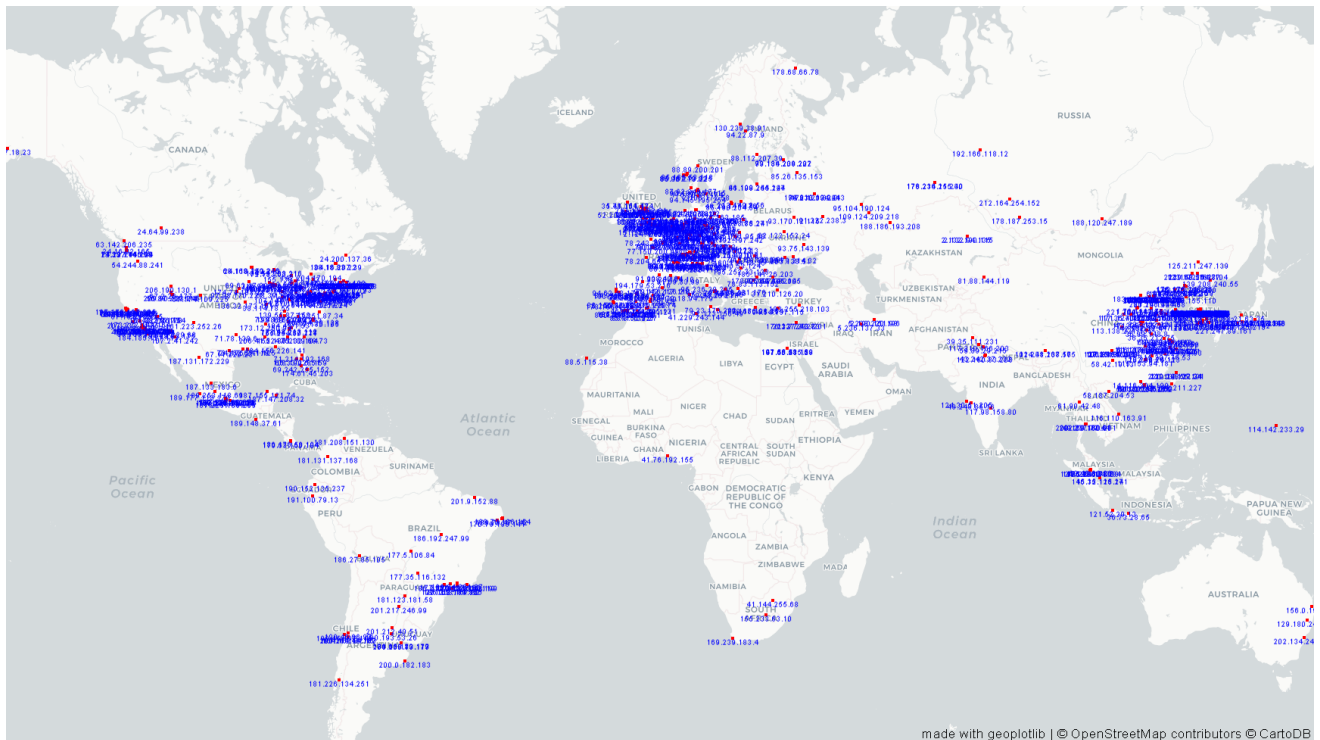
Average response time for every country (ASCENDING):



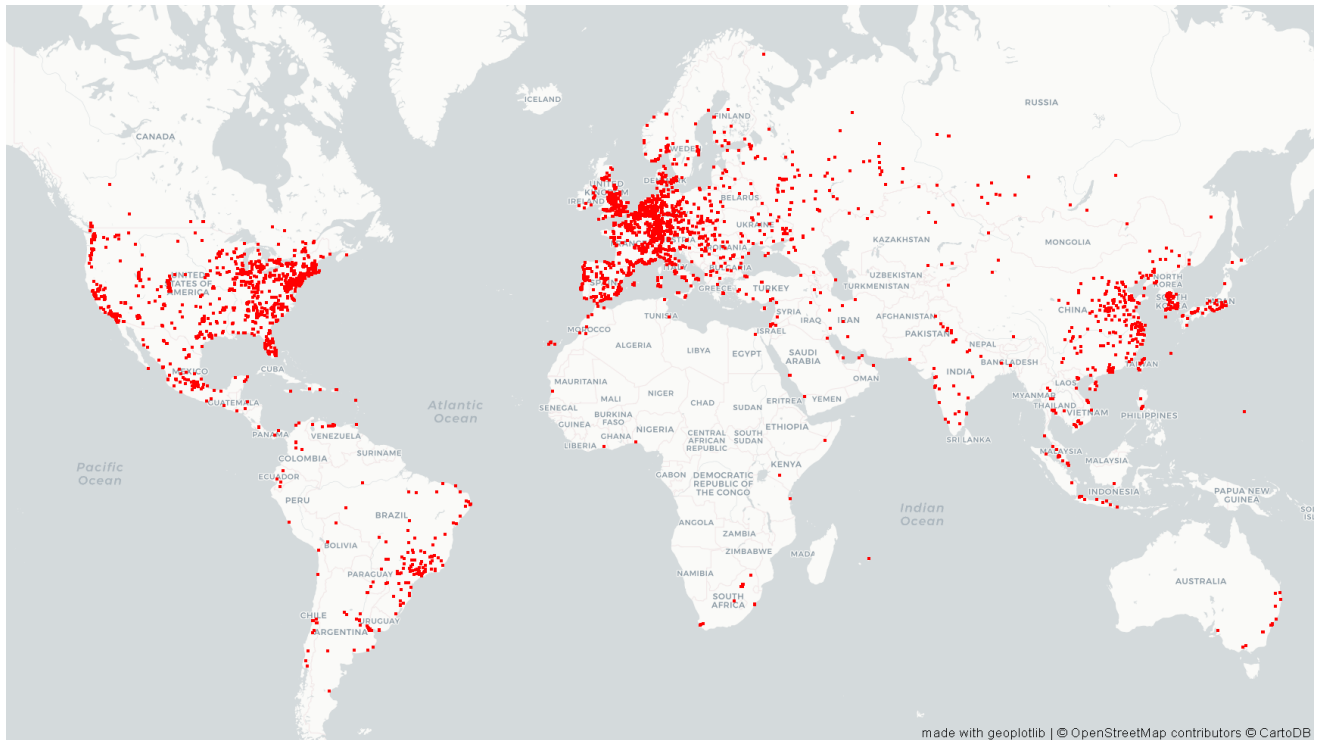
The dispersal of the responding IPs to the countrys:



The locations of every IP founded in this result:



The locations of every IP ever founded:



Name	City	Country	IP	Region	ZIP-Code
AS22773 Cox Communications Inc.	Irvine	United States	98.189.135.145	California	
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Fitchburg	United States	98.118.45.72	Massachusetts	01420
AS11427 Time Warner Cable Internet LLC	Lincoln	United States	97.98.170.221	Nebraska	68510
AS8866 Vivacom	Varna	Bulgaria	95.42.69.200	Varna	9000
AS3269 Telecom Italia	Palma Campania	Italy	95.248.246.245	Campania	80036
AS3269 Telecom Italia	Rome	Italy	95.236.29.205	Latium	00148
AS49816 MTS PJSC	Ulyanovsk	Russia	95.104.190.124	Ulyanovsk Oblast	432072
AS12353 Vodafone Portugal - Comunicacoes Pessoais S.A.	Porto	Portugal	94.63.48.179	Porto	4000-000
AS47524 Turksat Uydu Haberesme ve Kablo TV Isletme A.S.	Denizli	Turkey	94.54.137.115	Denizli	
AS5607 Sky UK Limited	Huddersfield	United Kingdom	94.3.233.170	England	HD1
AS5607 Sky UK Limited	Gillingham	United Kingdom	94.3.224.138	England	ME7
AS13230 Avantel, Close Joint Stock Company	Moscow	Russia	94.230.13.241	Moscow	102128
AS3209 Vodafone GmbH	Berlin	Germany	94.223.8.186	Land Berlin	12529
AS15527 Elisa Oyj	Vaasa	Finland	94.22.87.9	Ostrobothnia	65200
AS20845 DIGI Tavkozlesi es Szolgaltato Kft.	Budapest	Hungary	94.21.40.176	Budapest	1012
AS9158 Telenor A/S	Odense	Denmark	94.145.195.254	South Denmark	5200
AS25229 Volia	Kherson	Ukraine	93.79.214.32	Kherson's'ka Oblast'	73013
AS25229 Volia	Dnipro	Ukraine	93.75.143.139	Dnipro	49020
AS15557 SFR SA	Mont-Saint-Martin	France	93.24.249.76	Grand-Est	54350
AS15557 SFR SA	Aigues-Mortes	France	93.23.164.10	Occitanie	30220
AS47541 VKontakte Ltd	Saint Petersburg	Russia	93.186.236.227	St.-Petersburg	
AS31133 PJSC MegaFon	Starodub	Russia	93.170.12.115	Bryanskaya Oblast'	243240
AS3209 Vodafone GmbH	Darmstadt	Germany	92.75.19.56	Hesse	64293
AS3209 Vodafone GmbH	Frankfurt am Main	Germany	92.215.251.79	Hesse	
AS3209 Vodafone GmbH	Hamburg	Germany	92.210.88.22	Hamburg	20535
AS20676 QSC AG	Hanover	Germany	92.196.14.40	Lower Saxony	30159
AS8966 Emirates Telecommunications Corporation	Catania	Italy	92.123.156.49	Sicily	
AS16625 Akamai Technologies, Inc.	Godmanchester	United Kingdom	92.122.17.112	England	
AS15557 SFR SA	Toulon	France	91.69.83.99	Provence-Alpes-Côte d'Azur	83000
AS15557 SFR SA	Levallois-Perret	France	91.68.61.229	Île-de-France	92300
AS3320 Deutsche Telekom AG	Berlin	Germany	91.44.66.126	Land Berlin	10117

AS205220 RH & Co. IT Services Ltd	Lipetsk (19-y)	Russia	91.222.238.3	Lipetsk	
AS29075 Lost Oasis SARL	Toulouse	France	91.208.40.84	Occitanie	31000
AS52148 RackSRV Communications Limited	Addlestone	United Kingdom	91.204.210.181	England	KT15
AS45044 FOP Kichuk Ivan Ivanovich	Odesa	Ukraine	91.203.138.51	Odessa	65033
AS43153 Sferanet S.A.	Bielsko-Biala	Poland	91.192.197.242	Silesia	43-300
AS3320 Deutsche Telekom AG	Neureichenau	Germany	91.17.59.203	Bavaria	94089
AS50926 Infortelecom Hosting S.L.	Barcelona	Spain	91.142.217.118	Catalonia	
AS3320 Deutsche Telekom AG	Dresden	Germany	91.13.45.133	Saxony	01277
AS12479 Orange Espagne SA	Oropesa del Mar	Spain	90.77.70.149	Valencia	12594
AS5607 Sky UK Limited	London	United Kingdom	90.223.181.180	England	EC2V
AS5607 Sky UK Limited	March	United Kingdom	90.206.254.50	England	PE15
AS5607 Sky UK Limited	Bolton	United Kingdom	90.199.5.64	England	BL1
AS39554 Tele Danmark	Ronde	Denmark	90.185.157.115	Central Jutland	8410
AS12479 Orange Espagne SA	Dos Hermanas	Spain	90.164.234.150	Andalusia	41702
AS8866 Vivacom	Varna	Bulgaria	90.154.145.145	Varna	9000
AS3215 Orange	Arcueil	France	90.122.78.185	Île-de-France	
AS6830 Liberty Global Operations B.V.	Warsaw	Poland	89.78.88.27	Mazovia	03-425
AS12479 Orange Espagne SA	Granada	Spain	89.130.250.1	Andalusia	18015
AS16097 HL komm Telekommunikations GmbH	Dessau	Germany	89.107.166.46	Saxony-Anhalt	06847
AS6830 Liberty Global Operations B.V.	Prague	Czechia	89.103.16.125	Hlavni mesto Praha	160 00
AS8422 NetCologne GmbH	Cologne (Ossendorf)	Germany	89.0.113.194	North Rhine-Westphalia	
AS2119 Telenor Norge AS	Lyngdal	Norway	88.90.219.82	Vest-Agder Fylke	4580
AS2119 Telenor Norge AS	Nøtterøy	Norway	88.89.200.201	Vestfold	3120
AS48517 Destiny N.V	Diksmuide	Belgium	88.82.37.84	Flanders	8600
AS3352 Telefonica De Espana	Las Palmas de Gran Canaria	Spain	88.5.115.38	Canary Islands	35002
AS3352 Telefonica De Espana	Málaga	Spain	88.3.52.227	Andalusia	29017
AS12322 Free SAS	Aix-les-Bains	France	88.180.6.189	Auvergne-Rhone-Alpes	73100
AS12322 Free SAS	Corenc	France	88.174.116.223	Auvergne-Rhone-Alpes	38700
AS31334 Vodafone Kabel Deutschland GmbH	Berlin (Bezirk Tempelhof-Schöneberg)	Germany	88.134.202.15	Berlin	
AS12322 Free SAS	Givors	France	88.121.120.57	Auvergne-Rhone-Alpes	69700
AS719 Elisa Oyj	Karkkila	Finland	88.112.207.39	Uusimaa	03600
AS3269 Telecom Italia	Vicenza	Italy	87.8.186.121	Veneto	36100
AS3292 Tele Danmark	Vinderup	Denmark	87.62.240.177	Central Jutland	7830

AS12715 Orange Espagne S.A.U.	Seville	Spain	87.218.24.201	Andalusia	41006
AS13127 Tele 2 Nederland B.V.	Rotterdam	Netherlands	87.215.194.137	South Holland	
AS5089 Virgin Media Limited	Stockport	United Kingdom	86.8.152.1	England	SK1
AS5089 Virgin Media Limited	Oxford	United Kingdom	86.8.143.1	England	OX1
AS12605 LIWEST Kabelmedien GmbH	Linz	Austria	86.56.200.74	Upper Austria	4040
AS5089 Virgin Media Limited	Rotherham	United Kingdom	86.3.120.140	England	S65
AS2856 British Telecommunications PLC	Milton Keynes	United Kingdom	86.179.94.219	England	MK7
AS12479 Orange Espagne SA	Madrid	Spain	85.48.128.129	Madrid	28006
AS31213 PJSC MegaFon	Kotovo	Russia	85.26.135.153	Novgorodskaya Oblast'	174345
AS197848 NETPOL Piotr Pruba	Tuchom	Poland	85.190.234.54	Pomerania	80-209
AS2119 Telenor Norge AS	Nodeland	Norway	85.167.73.225	Vest-Agder Fylke	4645
AS2119 Telenor Norge AS	Vennesla	Norway	85.165.53.118	Vest-Agder Fylke	4700
AS6739 Vodafone Ono, S.A.	Huelva	Spain	85.137.159.143	Andalusia	21007
AS13156 Cabovisao, televisao por cabovisao, sa	Estarreja	Portugal	84.91.6.253	Aveiro	3860-000
AS12479 Orange Espagne SA	Catarroja	Spain	84.79.120.54	Valencia	46470
AS15943 wilhelm.tel GmbH	Hamburg	Germany	84.46.78.18	Hamburg	20095
AS6730 Sunrise Communications AG	Zollikofen	Switzerland	84.227.79.205	Bern	3052
AS6848 Telenet BVBA	Hasselt	Belgium	84.193.109.168	Flanders	3500
AS3320 Deutsche Telekom AG	Frankfurt am Main	Germany	84.156.207.246	Hesse	
AS12357 Vodafone Spain	Murcia	Spain	84.124.195.121	Murcia	30002
AS3303 Swisscom (Switzerland) Ltd	Neuchatel	Switzerland	83.76.59.245	Neuchâtel	2000
AS3352 Telefonica De Espana	Málaga	Spain	83.41.139.27	Andalusia	29018
AS12322 Free SAS	Charvieu-Chavagneux	France	83.157.127.43	Auvergne-Rhone-Alpes	38230
AS3269 Telecom Italia	Verona	Italy	82.50.188.168	Veneto	37123
AS3269 Telecom Italia	Milan	Italy	82.48.189.120	Lombardy	20129
AS5089 Virgin Media Limited	Stourbridge	United Kingdom	82.40.127.146	England	DY8
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Torres Vedras	Portugal	82.155.47.104	Lisbon	2560-000
AS39824 JSC Alma Telecommunications	Almaty	Kazakhstan	81.88.144.119	Almaty Qalasy	
AS3 Massachusetts Institute of Technology	Antwerp	Belgium	81.245.158.35	Flanders	2020
AS12578 SIA Lattelecom	Riga (Centra rajons)	Latvia	81.198.254.124	Riga	
AS2856 British Telecommunications PLC	Leeds	United Kingdom	81.148.106.95	England	

AS2856 British Telecommunications PLC	London	United Kingdom	81.143.229.222	England	EC2V
AS2856 British Telecommunications PLC	Sheffield	United Kingdom	81.137.201.114	England	
AS20849 Continuum A.g.	Ingolstadt	Germany	80.72.141.239	Bavaria	85049
AS5617 Orange Polska Spolka Akcyjna	Warsaw	Poland	80.55.175.241	Masovian Voivodeship	
AS15557 SFR SA	Lyon	France	80.118.240.96	Auvergne-Rhone-Alpes	69007
AS3269 Telecom Italia	Bari	Italy	79.44.56.86	Apulia	70100
AS3320 Deutsche Telekom AG	Solingen	Germany	79.233.38.67	North Rhine-Westphalia	42655
AS3269 Telecom Italia	Naples	Italy	79.23.26.217	Campania	80127
AS3269 Telecom Italia	Bagheria	Italy	79.23.170.203	Sicily	90011
AS3269 Telecom Italia	Milan	Italy	79.21.63.87	Lombardy	20128
AS3269 Telecom Italia	Bosa	Italy	79.18.94.179	Sardinia	08013
AS3269 Telecom Italia	Pavia	Italy	79.17.200.118	Lombardy	27100
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens	Greece	79.167.128.154	Attica	
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens	Greece	79.166.91.87	Attica	
AS3352 Telefonica De Espana	San Sebastián de los Reyes	Spain	79.156.129.137	Madrid	28702
AS3352 Telefonica De Espana	Barcelona	Spain	79.156.126.21	Catalonia	08004
AS3352 Telefonica De Espana	Totana	Spain	79.144.79.121	Murcia	30850
AS8492 OBIT Ltd.	St Petersburg	Russia	79.134.209.202	St.-Petersburg	190817
AS8708 RCS & RDS	Cluj-Napoca	Romania	79.119.126.244	Judetul Cluj	400001
AS42313 Albtelecom Sh.a.	Tirana	Albania	79.106.131.176	Qarku i Tiranës	
AS29580 Mobiltel Ead	Sofia	Bulgaria	78.83.113.152	Sofia-Capital	1000
AS8468 Entanet	Oswestry	United Kingdom	78.32.155.90	England	SY11
AS12322 Free SAS	Douvres-la-Delivrande	France	78.243.205.67	Normandy	14750
AS12322 Free SAS	Saint-Hilaire-de-Talmont	France	78.204.65.4	Pays de la Loire	85440
AS25074 PlusServer GmbH	Hürth (Hermülheim)	Germany	78.138.75.197	North Rhine-Westphalia	
AS8228 SFR SA	Morangis	France	78.116.169.215	Île-de-France	91420
AS6830 Liberty Global Operations B.V.	Bellinzona	Switzerland	77.57.223.29	Ticino	6512
AS6805 Telefonica Germany	Kriftel	Germany	77.178.245.127	Hesse	65830
AS15557 SFR SA	Coulans-sur-Gee	France	77.150.200.49	Pays de la Loire	72550
AS7922 Comcast Cable Communications, LLC	Philadelphia	United States	76.98.41.62	Pennsylvania	19124
AS14750 Sierra Tel Internet	Coarsegold	United States	76.9.82.127	California	93614
AS14750 Sierra Tel Internet	Mariposa	United States	76.9.70.105	California	95338
AS7922 Comcast Cable Communications, LLC	Williamstown	United States	76.116.37.8	New Jersey	08094

AS11426 Time Warner Cable Internet LLC	Okatie	United States	75.189.69.73	South Carolina	29909
AS209 Qwest Communications Company, LLC	Phoenix	United States	75.172.229.68	Arizona	85008
AS20001 Time Warner Cable Internet LLC	Van Nuys	United States	74.62.151.53	California	91401
AS7922 Comcast Cable Communications, LLC	Gallatin	United States	73.88.165.209	Tennessee	37066
AS7922 Comcast Cable Communications, LLC	Buford	United States	73.43.213.112	Georgia	30519
AS7922 Comcast Cable Communications, LLC	Hayward	United States	73.252.198.171	California	94541
AS7922 Comcast Cable Communications, LLC	Petersburg	United States	73.251.87.34	Virginia	23805
AS7922 Comcast Cable Communications, LLC	Humble	United States	73.232.67.119	Texas	77346
AS7922 Comcast Cable Communications, LLC	Boston	United States	73.218.227.217	Massachusetts	02121
AS7922 Comcast Cable Communications, LLC	Marietta	United States	73.184.237.228	Georgia	30067
AS7922 Comcast Cable Communications, LLC	Fremont	United States	73.162.131.227	California	94536
AS7922 Comcast Cable Communications, LLC	Cicero	United States	73.110.122.117	Illinois	60804
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	South Yarmouth	United States	72.93.0.193	Massachusetts	02664
AS10796 Time Warner Cable Internet LLC	De Pere	United States	72.133.63.31	Wisconsin	54115
AS11427 Time Warner Cable Internet LLC	Dallas	United States	71.78.138.6	Texas	75270
AS10796 Time Warner Cable Internet LLC	Mason	United States	71.67.103.138	Ohio	45040
AS209 Qwest Communications Company, LLC	Las Vegas	United States	71.38.79.172	Nevada	89101
AS209 Qwest Communications Company, LLC	Altamonte Springs	United States	71.214.192.168	Florida	32714
AS209 Qwest Communications Company, LLC	Caledonia	United States	71.213.52.214	Ohio	43314
AS7922 Comcast Cable Communications, LLC	Issaquah	United States	71.197.146.29	Washington	98029
AS5056 Aureon Network Services	Webster City	United States	69.63.17.206	Iowa	50595
AS7922 Comcast Cable Communications, LLC	Fort Myers	United States	69.242.255.152	Florida	33913
AS7922 Comcast Cable Communications, LLC	Johnson City	United States	68.57.69.253	Tennessee	37604
AS7922 Comcast Cable Communications, LLC	Rochester	United States	68.55.48.153	Michigan	48307

AS7922 Comcast Cable Communications, LLC	Peru	United States	68.39.176.240	Indiana	46970
AS10242 US Internet Corp	Minneapolis	United States	68.168.189.246	Minnesota	55409
AS209 Qwest Communications Company, LLC	Holly Springs	United States	67.77.130.105	North Carolina	27540
AS11351 Time Warner Cable Internet LLC	Sayre	United States	67.246.139.120	Pennsylvania	18840
AS7029 Windstream Communications LLC	Lititz	United States	67.214.13.52	Pennsylvania	17543
AS209 Qwest Communications Company, LLC	Taylorsville	United States	67.2.26.177	Utah	84129
AS7922 Comcast Cable Communications, LLC	Fresno	United States	67.181.187.85	California	93720
AS7922 Comcast Cable Communications, LLC	Erie	United States	67.174.109.225	Colorado	80516
AS7922 Comcast Cable Communications, LLC	Bolingbrook	United States	67.173.142.243	Illinois	60440
AS7922 Comcast Cable Communications, LLC	Wheeling	United States	67.163.239.169	West Virginia	26003
AS11427 Time Warner Cable Internet LLC	San Antonio	United States	67.11.220.23	Texas	78217
AS12271 Time Warner Cable Internet LLC	New York	United States	66.65.99.62	New York	10019
AS33363 BRIGHT HOUSE NETWORKS, LLC	Winter Haven	United States	65.33.228.159	Florida	33884
AS20278 Nexeon Technologies, Inc.	Buffalo	United States	64.44.42.233	New York	14202
AS22608 Public Utility District No. 1 of Okanogan County	Surrey	Canada	63.142.206.235	British Columbia	V3Z
AS15598 QSC AG	Euskirchen	Germany	62.146.186.182	North Rhine-Westphalia	53881
AS49019 Olli Trans, Ltd.	Kiev	Ukraine	62.122.152.24	Kyiv City	02094
AS9269 Hong Kong Broadband Network Ltd.	City of Victoria	Hong Kong	61.92.255.115	Central and Western District	
AS17552 True Internet Co.,Ltd.	Chiang Mai	Thailand	61.90.42.48	Chiang Mai Province	50000
AS4808 China Unicom Beijing Province Network	Beijing	China	61.48.187.135	Beijing	
AS4134 No.31,Jin-rong Street	Wuhan	China	61.183.138.253	Hubei	
AS4837 CHINA UNICOM China169 Backbone	Jinzhou	China	61.176.225.172	Liaoning	
AS17676 Softbank BB Corp.	Tokyo	Japan	60.68.51.18	Tokyo	190-0031
AS4788 TM Net, Internet Service Provider	Kuala Lumpur	Malaysia	60.48.80.20	Kuala Lumpur	68100
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	60.24.144.48	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Yantai	China	60.212.61.115	Shandong	
AS4134 No.31,Jin-rong Street	Hangzhou	China	60.186.203.125	Zhejiang	

AS17676 Softbank BB Corp.	Kyoto	Japan	60.130.185.218	Kyoto	600-8106
AS9829 National Internet Backbone	Ambala	India	59.89.29.215	Haryana	133001
AS4134 No.31,Jin-rong Street	Zunyi	China	58.42.19.13	Guizhou	
AS9318 SK Broadband Co Ltd	Anyang-si	Republic of Korea	58.239.119.227	Gyeonggi-do	
AS4134 No.31,Jin-rong Street	Nanjing	China	58.220.49.109	Jiangsu	
AS18403 The Corporation for Financing & Promoting Technology	Hanoi	Vietnam	58.187.204.53	Thanh Pho Ha Noi	
AS4760 PCCW Limited	City of Victoria	Hong Kong	58.153.246.252	Central and Western District	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	58.122.210.141	Seoul	
AS16509 Amazon.com, Inc.	Boardman	United States	54.244.88.241	Oregon	97818
AS14618 Amazon.com, Inc.	Ashburn	United States	54.144.221.224	Virginia	20149
AS16509 Amazon.com, Inc.	Dublin	Ireland	52.208.243.129	Leinster	D02
AS46606 Unified Layer	Provo	United States	50.87.239.113	Utah	84606
AS5607 Sky UK Limited	Bristol	United Kingdom	5.71.25.7	England	BS1
AS5607 Sky UK Limited	Belfast	United Kingdom	5.71.101.47	Northern Ireland	BT8
AS5607 Sky UK Limited	Ramsgate	United Kingdom	5.65.91.236	England	CT11
AS12353 Vodafone Portugal - Comunicacoes Pessoais S.A.	Loures	Portugal	5.249.30.69	Lisbon	2670-012
AS12880 Information Technology Company (ITC)	Tehran	Iran	5.238.220.196	Ostan-e Tehran	
AS58224 Iran Telecommunication Company PJS	Hamadan	Iran	5.236.137.33	Ostan-e Hamadan	
AS4134 No.31,Jin-rong Street	Suzhou	China	49.75.208.177	Jiangsu	
AS17762 Tata Teleservices Maharashtra Ltd	Pune	India	49.248.85.16	Maharashtra	411001
AS7470 TRUE INTERNET Co.,Ltd.	Huai Khwang	Thailand	49.237.77.44	Bangkok	10320
AS17858 LG POWERCOMM	Incheon	Republic of Korea	49.173.199.131	Incheon	
AS17858 LG POWERCOMM	Seoul	Republic of Korea	49.163.12.23	Seoul	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	49.160.30.53	Seoul	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	47.98.33.153	Zhejiang	
AS41897 Sat-Trakt D.O.O.	Backa Topola	Serbia	46.40.53.124	Vojvodina	
AS34977 Procono S.A.	Cordova	Spain	46.37.65.36	Andalusia	14001
AS35063 Chopin Telewizja Kablowa spolka z ograniczona odpowiedzialnoscia	Wejherowo	Poland	46.29.147.176	Pomerania	84-200
AS12578 SIA Lattelecom	Riga	Latvia	46.109.245.247	Riga	

AS20473 Choopa, LLC	Singapore	Singapore	45.32.118.24	Central Singapore Community Development Council	
AS45232 Spacenet Internet Services Pvt. Ltd.	Delhi	India	43.242.37.232	National Capital Territory of Delhi	110018
AS4837 CHINA UNICOM China169 Backbone	Jinzhou	China	42.4.73.194	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Zhengzhou	China	42.237.12.4	Henan	
AS4837 CHINA UNICOM China169 Backbone	Xinxiang	China	42.228.175.221	Henan	
AS4134 No.31,Jin-rong Street	Fushun	China	42.203.26.66	Liaoning	
AS37280 BCL	Lagos	Nigeria	41.76.192.155	Lagos	
AS24835 RAYA Telecom - Egypt	Cairo	Egypt	41.68.53.12	Cairo Governorate	
AS5438 Agence Tunisienne d'Internet	Tunis	Tunisia	41.229.243.144	Gouvernorat de Tunis	
AS5713 SAIX-NET	Doornkop	South Africa	41.144.255.68	Gauteng	
AS4837 CHINA UNICOM China169 Backbone	Binzhou	China	39.66.24.171	Shandong	
AS45595 Pakistan Telecom Company Limited	Gujranwala	Pakistan	39.35.111.231	Punjab	38850
AS174 Cogent Communications	Montreal	Canada	38.18.83.22	Quebec	H3M
AS22926 Wisper ISP, Inc.	Mascoutah	United States	38.114.78.55	Illinois	62258
AS12430 Vodafone Spain	Madrid	Spain	37.222.206.179	Madrid	28022
AS12715 Orange Espagne S.A.U.	Valles	Spain	37.133.116.74	Valencia	08290
AS199234 Komputerowe Studio Grafiki, Wojciech Lis	Skwierzyna	Poland	37.131.174.213	Lubusz	66-440
AS4134 No.31,Jin-rong Street	Zhoukou	China	36.99.148.8	Henan	
AS17974 PT Telekomunikasi Indonesia	Semarang	Indonesia	36.73.28.65	Central Java	
AS4837 CHINA UNICOM China169 Backbone	Fuyang	China	36.35.212.75	Anhui	
AS4847 China Networks Inter-Exchange	Beijing	China	36.110.52.3	Beijing	
AS15169 Google LLC	Mountain View	United States	35.187.69.246	California	94043
AS2856 British Telecommunications PLC	Belfast	United Kingdom	31.48.154.124	Northern Ireland	BT17
AS197328 Istanbuldc Veri Merkezi Ltd. Sti	Istanbul	Turkey	31.210.126.20	Istanbul	
AS4837 CHINA UNICOM China169 Backbone	Chongqing	China	27.8.185.120	Chongqing	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	27.236.144.147	Gyeonggi-do	
AS4837 CHINA UNICOM China169 Backbone	Zibo	China	27.195.101.168	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Chongqing	China	27.13.54.246	Chongqing	

AS4134 No.31,Jin-rong Street	Hebei	China	27.129.38.130	Hebei	
AS17871 DIGITALBUSANDONGNAM-AS-	Suwon	Republic of Korea	27.115.242.53	Gyeonggi-do	
AS6327 Shaw Communications Inc.	Calgary	Canada	24.64.99.238	Alberta	T2V
AS7922 Comcast Cable Communications, LLC	New Bedford	United States	24.60.72.2	Massachusetts	02740
AS7922 Comcast Cable Communications, LLC	Bellevue	United States	24.22.245.244	Washington	98007
AS10796 Time Warner Cable Internet LLC	Hamilton	United States	24.210.182.75	Ohio	45011
AS5769 Videotron Telecom Ltee	Québec	Canada	24.200.137.36	Quebec	G1G
AS11427 Time Warner Cable Internet LLC	Beaumont	United States	24.175.241.125	Texas	77705
AS7922 Comcast Cable Communications, LLC	Marysville	United States	24.16.92.165	Washington	98270
AS7922 Comcast Cable Communications, LLC	Kittanning	United States	24.131.76.7	Pennsylvania	16201
AS7922 Comcast Cable Communications, LLC	Saint Paul	United States	24.118.252.213	Minnesota	55118
AS3257 GTT Communications Inc.	Cambridge	United States	23.8.175.85	Massachusetts	02142
AS20940 Akamai International B.V.	Amsterdam	Netherlands	23.63.132.166	North Holland	1091
AS20940 Akamai International B.V.	Las Vegas	United States	23.42.215.178	Nevada	89101
AS20940 Akamai International B.V.	Amsterdam	Netherlands	23.42.192.207	North Holland	1091
AS16625 Akamai Technologies, Inc.	Cambridge	United States	23.42.106.10	Massachusetts	02142
AS33330 CloudRadium L.L.C	Los Angeles	United States	23.224.114.3	California	90014
AS20940 Akamai International B.V.	Cambridge	United States	23.220.56.96	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	23.212.88.145	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	23.211.52.230	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Cambridge (Mit)	United States	23.211.107.177	Massachusetts	
AS20940 Akamai International B.V.	Cambridge	United States	23.206.148.216	Massachusetts	02142
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	223.7.104.42	Zhejiang	
AS4766 Korea Telecom	Busan	Republic of Korea	222.97.149.19	Busan	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	222.237.188.52	Seoul	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	222.232.58.195	Seoul	
AS4837 CHINA UNICOM China169 Backbone	Changchun	China	222.160.254.87	Jilin	
AS4713 NTT Communications Corporation	Tokyo	Japan	222.145.168.89	Tokyo	190-0031
AS4837 CHINA UNICOM China169 Backbone	Qufu	China	222.132.121.81	Shandong	

AS4766 Korea Telecom	Daejeon	Republic of Korea	222.118.156.89	Daejeon	
AS17506 UCOM Corp.	Hiro	Japan	221.247.89.161	Hiroshima	737-0136
AS4808 China Unicom Beijing Province Network	Beijing	China	221.217.188.244	Beijing	
AS4837 CHINA UNICOM China169 Backbone	Taiyuan	China	221.204.113.252	Shanxi	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	221.196.224.68	Tianjin	
AS4766 Korea Telecom	Seoul	Republic of Korea	221.149.68.129	Seoul	
AS9919 New Century InfoComm Tech Co., Ltd.	Taipei	Taiwan	220.228.22.34	Taipei City	
AS3462 Data Communication Business Group	Taipei	Taiwan	220.133.55.191	Taipei City	
AS4766 Korea Telecom	Daegu	Republic of Korea	218.149.205.11	Daegu	
AS4766 Korea Telecom	Hamyang	Republic of Korea	218.146.117.55	Gyeongsangnam-do	
AS3320 Deutsche Telekom AG	Walldorf	Germany	217.88.201.82	Baden-Württemberg Region	69190
AS29617 Energy Water Bern	Bern	Switzerland	217.78.113.164	Bern	3004
AS3320 Deutsche Telekom AG	Bannewitz	Germany	217.234.145.55	Saxony	01728
AS3320 Deutsche Telekom AG	Aurich	Germany	217.227.235.43	Lower Saxony	26605
AS30847 Lancaster University Network Services Limited	Lancaster	United Kingdom	217.114.62.81	England	LA1
AS15042 Urban Communications, Inc.	Rockford	United States	216.99.166.240	Illinois	61114
AS7859 pair Networks	Pittsburgh	United States	216.92.242.226	Pennsylvania	15203
AS7782 Alaska Communications Systems Group, Inc.	Anchorage	United States	216.67.18.23	Alaska	99509
AS15003 Nobis Technology Group, LLC	Thousand Oaks	United States	216.152.228.206	California	91362
AS6866 Cyprus Telecommunications Authority	Nicosia	Cyprus	213.7.70.7	Lefkosia	
AS6866 Cyprus Telecommunications Authority	Nicosia	Cyprus	213.7.243.83	Lefkosia	
AS1764 Next Layer Telekommunikationsdienstleistungs- und Beratungs GmbH	Vienna	Austria	213.208.151.73	Vienna	1220
AS13226 Cybernet SA	Liège	Belgium	213.177.86.197	Wallonia	4020
AS31214 TIS Dialog LLC	Kaliningrad	Russia	213.149.8.56	Kaliningradskaya Oblast'	236000
AS6848 Telenet BVBA	Torhout	Belgium	213.118.79.174	Flanders	8820
AS8708 RCS & RDS	Cluj-Napoca	Romania	212.54.112.28	Judetul Cluj	400001
AS6830 Liberty Global Operations B.V.	Vienna	Austria	212.17.126.113	Vienna	1210

AS12389 PJSC Rostelecom	Novosibirsk	Russia	212.164.254.152	Novosibirskaya Oblast'	630004
AS6739 Vodafone Ono, S.A.	Ciudad Real	Spain	212.122.110.220	Castille-La Mancha	13001
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	211.243.121.31	Seoul	
AS9318 SK Broadband Co Ltd	Seongnam-si	Republic of Korea	211.210.35.75	Gyeonggi-do	
AS4766 Korea Telecom	Seoul	Republic of Korea	211.184.58.249	Seoul	
AS9318 SK Broadband Co Ltd	Incheon	Republic of Korea	211.179.67.105	Incheon	
AS9318 SK Broadband Co Ltd	Seongnam-si	Republic of Korea	211.110.72.179	Gyeonggi-do	
AS4725 SoftBank Mobile Corp.	Tokyo	Japan	210.169.168.146	Tokyo	190-0031
AS2518 BIGLOBE Inc.	Tokyo	Japan	210.151.177.148	Tokyo	190-0031
AS5048 FIBERNET Corp.	Orem	United States	209.90.123.246	Utah	84057
AS20473 Choopa, LLC	Philadelphia	United States	209.222.96.217	Pennsylvania	19123
AS7859 pair Networks	Pittsburgh	United States	209.197.68.253	Pennsylvania	15203
AS36758 Branch Banking and Trust Company	Raleigh	United States	208.24.29.128	North Carolina	27617
AS2152 California State University, Office of the Chancellor	San Luis Obispo	United States	207.233.14.75	California	93405
AS4574 Internet Doorway, Inc.	Jackson	United States	206.41.224.71	Mississippi	39202
AS29854 WestHost, Inc.	Providence	United States	206.190.130.1	Utah	84332
AS395323 County of San Mateo	San Mateo	United States	204.114.47.6	California	94403
AS23720 Rakuten Communications K.K.	Tokyo	Japan	203.216.2.233	Tokyo	190-0031
AS4618 Internet Thailand Company Limited	Bangkok	Thailand	203.150.160.201	Bangkok	
AS4621 UNINET-	Bangkok	Thailand	202.29.180.61	Bangkok	
AS23871 Australia Internet Solutions	Avalon Beach	Australia	202.134.249.243	New South Wales	2107
AS7738 Telemar Norte Leste S.A.	Poco da Pedra	Brazil	201.9.152.88	Ceara	
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	201.68.181.86	Sao Paulo	
AS22927 Telefonica de Argentina	Buenos Aires (Velez Sarsfield)	Argentina	201.250.19.177	Buenos Aires F.D.	
AS52373 ECOM CHACO S.A.	Resistencia	Argentina	201.217.246.99	Chaco	3500
AS22047 VTR BANDA ANCHA S.A.	Santiago	Chile	201.214.44.173	Santiago Metropolitan	
AS10481 Prima S.A.	Paraná	Argentina	201.212.40.51	Entre Rios	3100
AS27981 Universidad Nacional de Mar del Plata	Mar del Plata	Argentina	200.0.182.183	Buenos Aires	7600
AS5607 Sky UK Limited	Southwark	United Kingdom	2.219.57.67	England	SE1P
AS5607 Sky UK Limited	Liverpool	United Kingdom	2.217.173.60	England	L3

AS3209 Vodafone GmbH	Ingolstadt	Germany	2.204.162.157	Bavaria	85055
AS12880 Information Technology Company (ITC)	Tehran	Iran	2.190.151.98	Ostan-e Tehran	
AS16625 Akamai Technologies, Inc.	New York	United States	2.17.29.4	New York	
AS9198 JSC Kazakhtelecom	Karagandy	Kazakhstan	2.132.94.135	Qaraghandy Oblysy	
AS9198 JSC Kazakhtelecom	Karagandy	Kazakhstan	2.132.190.115	Qaraghandy Oblysy	
AS5607 Sky UK Limited	Leeds	United Kingdom	2.125.58.239	England	LS12
AS5607 Sky UK Limited	Bournemouth	United Kingdom	2.124.47.61	England	BH2
AS5607 Sky UK Limited	Rotherham	United Kingdom	2.122.244.41	England	S65
AS3292 Tele Danmark	Ballerup Municipality	Denmark	2.106.172.58	Capital Region	2750
AS394625 WhiteLabel IT Solutions Corp	Hackensack	United States	199.38.241.18	New Jersey	07601
AS19331 Twin Lakes Telephone Cooperative Corporation	Hilham	United States	199.187.204.79	Tennessee	38568
AS20001 Time Warner Cable Internet LLC	Lancaster	United States	198.72.175.73	California	93536
AS8452 TE-AS	Cairo	Egypt	197.50.215.58	Cairo Governorate	
AS8452 TE-AS	Cairo	Egypt	197.45.48.169	Cairo Governorate	
AS6700 BeotelNet-ISP d.o.o	Belgrade (Senjak)	Serbia	195.252.73.128	Central Serbia	
	Brescia	Italy	195.137.149.231	Lombardy	
AS3352 Telefonica De Espana	Logroño	Spain	194.179.53.216	La Rioja	26003
AS1901 A1 Telekom Austria AG	Dornbirn	Austria	194.166.69.95	Vorarlberg	6850
AS3303 Swisscom (Switzerland) Ltd	Chur	Switzerland	193.5.59.72	Grisons	7000
AS8517 National Academic Network and Information Center	Aksaray	Turkey	193.255.218.103	Aksaray	
AS199155 Direcao Geral de Estatisticas da Educacao e Ciencia	Viseu	Portugal	193.236.89.57	Viseu	3500-001
AS680 Verein zur Foerderung eines Deutschen Forschungsnetzes e.V.	Leipzig	Germany	193.175.217.206	Saxony	04159
AS62567 DigitalOcean, LLC	North Bergen	United States	192.241.140.201	New Jersey	07047
AS15003 Nobis Technology Group, LLC	Thousand Oaks	United States	192.229.83.121	California	91362
AS9930 TIME dotCom Berhad	Kuala Lumpur	Malaysia	192.228.173.38	Kuala Lumpur	52200
AS55286 B2 Net Solutions Inc.	Los Angeles	United States	192.186.166.229	California	90014
AS12714 Net By Net Holding LLC	Megion	Russia	192.166.118.12	Khanty-Mansia	628680
AS27668 ETAPA EP	Cuenca	Ecuador	191.100.79.13	Provincia del Azuay	
AS22047 VTR BANDA ANCHA S.A.	San Felipe	Chile	190.46.96.97	Region de Valparaiso	
AS22047 VTR BANDA ANCHA S.A.	Valparaíso	Chile	190.45.197.118	Region de Valparaiso	
AS10481 Prima S.A.	Villa Angelica	Argentina	190.193.53.26	Entre Rios	2000

AS22047 VTR BANDA ANCHA S.A.	Santiago	Chile	190.163.18.167	Santiago Metropolitan	
AS28011 CORPORACION NACIONAL DE TELECOMUNICACIONES - CNT EP	Quito	Ecuador	190.152.135.237	Provincia de Pichincha	
AS28172 PROJESOM INTERNET LTDA	Itajuba	Brazil	189.84.201.37	Minas Gerais	37512
AS7738 Telemar Norte Leste S.A.	Jaboatao dos Guararapes	Brazil	189.70.47.142	Pernambuco	
AS7738 Telemar Norte Leste S.A.	Recife	Brazil	189.70.186.154	Pernambuco	
AS8151 Uninet S.A. de C.V.	León	Mexico	189.253.118.69	Guanajuato	37500
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.236.44.213	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.228.16.124	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Puerto Vallarta	Mexico	189.177.118.170	Jalisco	48291
AS8151 Uninet S.A. de C.V.	Puebla City	Mexico	189.164.95.51	Puebla	72270
AS8151 Uninet S.A. de C.V.	Tapachula	Mexico	189.148.37.61	Chiapas	30803
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.146.130.11	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.137.139.27	Mexico City	63000
AS3303 Swisscom (Switzerland) Ltd	Lachen	Switzerland	188.63.144.92	Schwyz	8853
AS5607 Sky UK Limited	Coventry	United Kingdom	188.220.151.217	England	CV5
AS42683 JSC ER-Telecom Holding	Orenburg	Russia	188.186.193.208	Orenburgskaya Oblast'	460000
AS6663 Euroweb Romania S.A.	Trnovec nad Vahom	Slovakia	188.123.122.13	Nitra	925 71
AS29182 JSC ISPsystem	Irkutsk	Russia	188.120.247.189	Irkutskaya Oblast'	
AS3209 Vodafone GmbH	Munich	Germany	188.104.67.118	Bavaria	80335
AS3209 Vodafone GmbH	Halle	Germany	188.103.237.211	Saxony-Anhalt	06126
AS3209 Vodafone GmbH	Essen	Germany	188.101.16.125	North Rhine-Westphalia	45144
AS3209 Vodafone GmbH	Ahlen	Germany	188.101.104.202	North Rhine-Westphalia	59227
AS8151 Uninet S.A. de C.V.	Cuernavaca	Mexico	187.225.186.253	Morelos	62028
AS8151 Uninet S.A. de C.V.	Adolfo Lopez Mateos	Mexico	187.208.33.67	Estado de Mexico	52920
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.174.117.88	Mexico City	57138
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.168.152.186	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Mérida	Mexico	187.155.121.74	Yucatán	97305
AS8151 Uninet S.A. de C.V.	Tulum	Mexico	187.147.208.32	Quintana Roo	
AS8151 Uninet S.A. de C.V.	Zacatecas City	Mexico	187.133.183.6	Zacatecas	98024
AS8151 Uninet S.A. de C.V.	Colonia Benito Juarez	Mexico	187.131.172.229	Chihuahua	33633
AS28024 Nuevatel PCS de Bolivia S.A.	La Paz	Bolivia	186.27.85.105	Departamento de La Paz	
AS53166 UNIVERSIDADE ESTADUAL PAULISTA	Botucatu	Brazil	186.217.212.151	Sao Paulo	
AS53151 Valor Economico S.A. - SÃO PAULO	São Paulo	Brazil	186.208.167.82	Sao Paulo	

AS53138 Conectlan Internet	Gurupi	Brazil	186.192.247.99	Tocantins	
AS262197 MILLICOM CABLE COSTA RICA S.A.	Heredia	Costa Rica	186.176.58.104	Provincia de Heredia	40101
AS10318 CABLEVISION S.A.	Buenos Aires	Argentina	186.138.83.113	Buenos Aires F.D.	
AS198570 Stadtnetz Bamberg Gesellschaft fuer Telekommunikation mbH	Bamberg	Germany	185.75.75.12	Bavaria	96052
AS16134 Tecnocratica Centro de Datos, S.L.	Madrid	Spain	185.49.185.181	Madrid	
AS197063 PfalzConnect GmbH	Hallgarten	Germany	185.34.91.27	Rheinland-Pfalz	67826
AS50153 Wlodzimierz Gasior, Jolanta Gadek trading as Net-Bis s.c.	Miechów	Poland	185.161.95.98	Lesser Poland Voivodeship	
AS29119 ServiHosting Networks S.L.	Villalba del Alcor	Spain	185.160.212.75	Andalusia	21860
AS60117 Host Sailor Ltd.	Bucharest	Romania	185.141.26.203	Bucuresti	050019
AS24904 K-NET SARL	Jarville-la-Malgrange	France	185.109.201.169	Grand-Est	54140
AS209 Qwest Communications Company, LLC	Phoenix	United States	184.98.83.175	Arizona	85055
AS10796 Time Warner Cable Internet LLC	Green Bay	United States	184.59.208.216	Wisconsin	54303
AS22773 Cox Communications Inc.	San Diego	United States	184.185.121.113	California	92126
AS22561 CenturyTel Internet Holdings, Inc.	Foley	United States	184.156.226.141	Alabama	36535
AS4837 CHINA UNICOM China169 Backbone	Datong	China	183.190.210.58	Shanxi	
AS4134 No.31,Jin-rong Street	Nanchang	China	182.99.76.12	Jiangxi	
AS4134 No.31,Jin-rong Street	Zaozhuang	China	182.39.147.205	Shandong	
AS4134 No.31,Jin-rong Street	Jinan	China	182.32.151.74	Shandong	
AS17858 LG POWERCOMM	Seoul	Republic of Korea	182.230.195.249	Seoul	
AS14117 Telefonica del Sur S.A.	Port Montt	Chile	181.226.134.251	Los Lagos	
AS21826 Corporación Telemic C.A.	Maracaibo	Venezuela	181.208.151.130	Zulia	
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	181.131.137.168	Antioquia	050001
AS23201 Telecel S.A.	Asunción	Paraguay	181.123.181.58	Asuncion	
AS4134 No.31,Jin-rong Street	Changzhou	China	180.115.5.119	Jiangsu	
AS6729 Sunokman Ltd	San José	Costa Rica	179.63.160.184	Provincia de San Jose	
AS11014 CPS	Buenos Aires	Argentina	179.60.173.179	Buenos Aires F.D.	34034
AS26599 TELEFÔNICA BRASIL S.A	Rio de Janeiro	Brazil	179.128.26.119	Rio de Janeiro	
AS48747 Lukovitnet Ltd.	Lukovit	Bulgaria	178.75.197.38	Lovech	5770
AS12389 PJSC Rostelecom	Murmansk	Russia	178.68.66.78	Murmansk	183001
AS3209 Vodafone GmbH	Mainz	Germany	178.4.199.117	Rheinland-Pfalz	55128
AS15493 Closed Joint Stock Company Russian company	Tyumen	Russia	178.236.215.30	Tyumenskaya Oblast'	625000

AS48166 Fortex Cjsc	Moscow	Russia	178.213.194.243	Moscow	102128
AS3303 Swisscom (Switzerland) Ltd	Bern	Switzerland	178.196.48.154	Bern	3006
AS3303 Swisscom (Switzerland) Ltd	Wolhusen	Switzerland	178.195.33.34	Lucerne	6110
AS12389 PJSC Rostelecom	Biysk	Russia	178.187.253.15	Altai Krai	659300
AS12353 Vodafone Portugal - Comunicacoes Pessoais S.A.	Lisbon	Portugal	178.166.44.244	Lisbon	1200-181
AS20845 DIGI Tavkozlesi es Szolgaltato Kft.	Budapest	Hungary	178.164.210.21	Budapest	1012
AS3209 Vodafone GmbH	Crimmitschau	Germany	178.14.249.249	Saxony	08451
AS3209 Vodafone GmbH	Herne	Germany	178.1.153.158	North Rhine-Westphalia	44651
AS8167 Brasil Telecom S/A - Filial Distrito Federal	Cuiabá	Brazil	177.5.106.84	Mato Grosso	
AS28573 CLARO S.A.	Campo Grande	Brazil	177.35.116.132	Mato Grosso do Sul	
AS262343 Net Aki Internet Ltda	Holambra	Brazil	177.126.137.163	Sao Paulo	13825
AS52697 Dominioz Servicos de Telecomunicacoes Ltda	Pindamonhangaba	Brazil	177.107.83.96	Sao Paulo	
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	177.102.119.125	Sao Paulo	
AS198336 Cyprus University of Technology	Nicosia	Cyprus	176.227.232.201	Nicosia	
AS41843 JSC ER-Telecom Holding	Tyumen	Russia	176.214.15.240	Tyumenskaya Oblast'	625001
AS3292 Tele Danmark	Aarhus	Denmark	176.20.87.174	Central Jutland	8000
AS34300 JSC Internet-Cosmos	Moscow	Russia	176.120.83.3	Moscow	102128
AS4837 CHINA UNICOM China169 Backbone	Fushun	China	175.175.206.220	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	175.175.148.36	Liaoning	
AS4788 TM Net, Internet Service Provider	Kuala Lumpur	Malaysia	175.143.7.73	Kuala Lumpur	55100
AS4788 TM Net, Internet Service Provider	Shah Alam	Malaysia	175.136.61.7	Selangor	40150
AS22773 Cox Communications Inc.	Omaha	United States	174.74.103.28	Nebraska	68104
AS7922 Comcast Cable Communications, LLC	Miami	United States	174.61.45.203	Florida	33145
AS7922 Comcast Cable Communications, LLC	Bernville	United States	174.60.15.165	Pennsylvania	19506
AS10796 Time Warner Cable Internet LLC	Cleveland	United States	173.90.141.134	Ohio	44118
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Silver Spring	United States	173.79.59.3	Maryland	20910
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Pittsburgh	United States	173.75.137.86	Pennsylvania	15202

AS16625 Akamai Technologies, Inc.	Bakersfield	United States	173.222.144.164	California	93302
AS7922 Comcast Cable Communications, LLC	Hernando	United States	173.12.250.94	Mississippi	38632
AS20001 Time Warner Cable Internet LLC	Los Angeles	United States	172.114.48.75	California	90059
AS4134 No.31,Jin-rong Street	Jiaozuo	China	171.14.237.247	Henan	
AS4837 CHINA UNICOM China169 Backbone	Longquan	China	171.127.156.145	Shanxi	
AS266310 EZEQUIEL EUCLIDES NEPOMUCENO-ME	Altinho	Brazil	170.79.198.141	Pernambuco	55490
AS61582 Senior Serviço de Telecomunicação do Brasil LTDA	Rio de Janeiro	Brazil	170.231.142.199	Rio de Janeiro	
AS37153 HETZNER	Cape Town (Bloubergstrand)	South Africa	169.239.183.4	Western Cape	
AS40675 PROQUEST, LLC	Ann Arbor	United States	165.215.194.224	Michigan	48108
AS265769 ALBANETWORK INGENIERÍA S.A.	Santiago	Chile	164.163.81.15	Santiago Metropolitan	
AS17870 Kyung Hee University	Yongin-si	Republic of Korea	163.180.44.154	Gyeonggi-do	
AS23316 Bel Air Internet, LLC	Los Angeles	United States	162.211.150.244	California	90010
AS5766 Indian Health Service	Las Vegas	United States	161.223.86.154	Nevada	89115
AS5766 Indian Health Service	Albuquerque	United States	161.223.252.26	New Mexico	87110
AS174 Cogent Communications	Chicago	United States	160.121.229.148	Illinois	60602
AS6711 University of Szeged	Szeged	Hungary	160.114.18.35	Csongrad megye	6750
AS33915 Vodafone Libertel B.V.	The Hague	Netherlands	159.100.69.228	South Holland	2513
AS328112 Linux Based Systems Design (Pty) Ltd	Brisbane	Australia	156.0.191.167	Queensland	
	Atlanta	United States	155.254.60.111	Georgia	30301
	Bloemfontein	South Africa	155.233.63.10	Orange Free State	9300
AS20115 Charter Communications	Fort Benning	United States	155.186.232.104	Georgia	31905
AS26174 Saginaw Valley State University	Bay City	United States	155.138.11.132	Michigan	48710
AS62585 Messiah College	Mechanicsburg	United States	153.42.237.42	Pennsylvania	17055
AS5607 Sky UK Limited	Waterlooville	United Kingdom	151.229.199.127	England	PO7
AS5607 Sky UK Limited	Cricklewood	United Kingdom	151.225.235.44	England	NW2
AS32531 Fordham University	The Bronx	United States	150.108.92.24	New York	10458
AS32531 Fordham University	The Bronx	United States	150.108.41.34	New York	10458
AS174 Cogent Communications	Vénissieux	France	149.11.58.98	Auvergne-Rhone-Alpes	69200
AS8803 Migros-Genossenschafts-Bund	Zurich	Switzerland	146.67.144.33	Zurich	8037
AS3209 Vodafone GmbH	Berlin	Germany	146.60.204.150	Land Berlin	12529
AS16276 OVH SAS	Amsterdam (Grachtengordel-West)	Netherlands	145.239.187.116	North Holland	

AS10265 Seneca College of Applied Arts and Technology	North York	Canada	142.204.170.194	Ontario	M2J
AS11351 Time Warner Cable Internet LLC	Clifton Park	United States	142.105.137.198	New York	12065
AS54600 PEG TECH INC	San Jose	United States	142.0.133.163	California	95113
AS553 Universitaet Stuttgart	Bad Duerkheim	Germany	141.72.127.179	Rheinland-Pfalz	67098
AS12897 ENTEGA Medianet GmbH	Manchester	United Kingdom	141.187.61.136	England	M40
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.71.176.74	Gyeonggi-do	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	14.64.119.245	Gyeonggi-do	
AS4766 Korea Telecom	Seoul	Republic of Korea	14.53.240.185	Seoul	
AS4766 Korea Telecom	Namyangju	Republic of Korea	14.53.21.58	Gyeonggi-do	
AS4766 Korea Telecom	Suwon	Republic of Korea	14.33.31.217	Gyeonggi-do	
AS58466 CHINANET Guangdong province network	Guangzhou	China	14.116.204.190	Guangdong	
AS200130 Digital Ocean, Inc.	Frankfurt am Main	Germany	139.59.142.10	Hesse	09039
AS7029 Windstream Communications LLC	Greensburg	United States	139.55.87.158	Kentucky	42743
AS4837 CHINA UNICOM China169 Backbone	Longjing	China	139.208.240.55	Jilin	
AS20868 ABB Schweiz AG	Zurich	Switzerland	138.225.52.211	Zurich	8037
AS16591 Google Fiber Inc.	Overland Park	United States	136.32.173.191	Kansas	66223
AS52 University of California, Los Angeles	Los Angeles	United States	131.179.17.208	California	90024
AS2833 Umea University	Umeå	Sweden	130.239.38.91	Västerbotten	901 01
AS16509 Amazon.com, Inc.	Seattle	United States	13.33.114.158	Washington	98109
AS24101 University of New England	Armidale	Australia	129.180.241.229	New South Wales	2350
AS1249 Five Colleges Network	Amherst	United States	128.119.244.68	Massachusetts	01003
AS16625 Akamai Technologies, Inc.	Cambridge (Mit)	United States	125.56.235.25	Massachusetts	
AS9929 CHINA UNICOM Industrial Internet Backbone	Harbin	China	125.211.247.139	Heilongjiang	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	125.185.236.135	Seoul	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	125.132.97.150	Gyeonggi-do	
AS4837 CHINA UNICOM China169 Backbone	Jinzhou	China	124.94.55.115	Liaoning	
AS4134 No.31,Jin-rong Street	Lhasa	China	124.31.238.56	Tibet	
AS9583 Sify Limited	Mumbai	India	124.30.51.205	Maharashtra	

AS4808 China Unicom Beijing Province Network	Beijing	China	124.243.198.13	Beijing	
AS4847 China Networks Inter-Exchange	Beijing	China	124.126.157.36	Beijing	
AS4134 No.31,Jin-rong Street	Jilin City	China	123.172.162.104	Jilin	
AS38673 Korea Cable TV Kwangju Broadcasting	Gwangju	Republic of Korea	123.100.189.132	Gwangju	
AS17858 LG POWERCOMM	Incheon	Republic of Korea	122.47.159.82	Incheon	
AS18318 CJ Hello Co., Ltd.	Maryun	Republic of Korea	122.252.89.4		
AS24560 Bharti Airtel Ltd., Telemedia Services	Gurgaon	India	122.160.83.208	Haryana	122018
AS17885 PT Excelcomindo Pratama	Rw 02	Indonesia	121.52.29.13	Jakarta	
AS38372 FoShan RuiJiang Science and Tech Ltd.	Shenzhen	China	121.201.35.153	Guangdong	
AS4766 Korea Telecom	Seoul	Republic of Korea	121.163.171.223	Seoul	
AS4766 Korea Telecom	Seoul	Republic of Korea	121.162.43.223	Seoul	
AS9534 Binariang Berhad	Kajang	Malaysia	121.122.104.184	Selangor	43000
AS9808 Guangdong Mobile Communication Co.Ltd.	Nanchang	China	120.206.24.113	Jiangxi	
AS4837 CHINA UNICOM China169 Backbone	Changchun	China	119.48.54.17	Jilin	
AS4766 Korea Telecom	Mokpo	Republic of Korea	119.206.136.64	Jeollanam-do	
AS4837 CHINA UNICOM China169 Backbone	Weifang	China	119.190.62.2	Shandong	
AS9416 Hoshin Multimedia Center Inc.	Taipei	Taiwan	119.14.117.21	Taipei City	
AS4837 CHINA UNICOM China169 Backbone	Anshan	China	119.114.85.26	Liaoning	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	118.50.42.109	Gyeonggi-do	
AS9924 Taiwan Fixed Network, Telco and Network Service Provider.	Pingtung City	Taiwan	118.232.211.227	Pingtung	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	118.223.57.229	Seoul	
AS3786 LG DACOM Corporation	Seoul	Republic of Korea	118.129.248.134	Seoul	
AS24560 Bharti Airtel Ltd., Telemedia Services	Hyderabad	India	117.98.158.80	Telangana	
AS4134 No.31,Jin-rong Street	Nanjing	China	117.93.128.110	Jiangsu	
AS4134 No.31,Jin-rong Street	Changzhou	China	117.63.222.8	Jiangsu	
AS4134 No.31,Jin-rong Street	Yan'an	China	117.35.40.191	Shaanxi	
AS9829 National Internet Backbone	Kular	India	117.210.166.203	Punjab	144625

AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	116.35.110.49	Seoul	
AS4134 No.31,Jin-rong Street	Wuhan	China	116.208.220.203	Hubei	
AS9506 Singtel Fibre Broadband	Singapore	Singapore	116.15.125.171	Central Singapore Community Development Council	
AS24086 Viettel Corporation	Da Nang	Vietnam	116.110.163.91	Thanh Pho GJa Nang	
AS18126 Chubu Telecommunications Company, Inc.	Nagoya	Japan	115.38.240.142	Aichi	461-0019
AS4134 No.31,Jin-rong Street	Hangzhou	China	115.216.123.201	Zhejiang	
AS4134 No.31,Jin-rong Street	Ningbo	China	115.214.84.93	Zhejiang	
AS4134 No.31,Jin-rong Street	Quzhou	China	115.207.76.53	Zhejiang	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	115.2.208.31	Gyeonggi-do	
AS4847 China Networks Inter-Exchange	Beijing	China	115.171.21.76	Beijing	
AS4134 No.31,Jin-rong Street	Yichun	China	115.153.94.181	Jiangxi	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	115.13.219.196	Gyeonggi-do	
AS4134 No.31,Jin-rong Street	Wuxi	China	114.223.126.50	Jiangsu	
AS9246 Teleguam Holdings, LLC	Tamuning	Guam	114.142.233.29		96931
AS4134 No.31,Jin-rong Street	Chongqing	China	113.251.158.14	Chongqing	
AS4837 CHINA UNICOM China169 Backbone	Liaoyang	China	113.233.155.159	Liaoning	
AS17534 NSK Co.,Ltd.	Kanazawa	Japan	113.21.63.35	Ishikawa	924-0004
AS4134 No.31,Jin-rong Street	Xi'an	China	113.138.221.155	Shaanxi	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	112.74.89.131	Zhejiang	
AS9808 Guangdong Mobile Communication Co.Ltd.	Beijing (Xicheng Qu)	China	112.45.104.109	Beijing	
AS4837 CHINA UNICOM China169 Backbone	Binzhou	China	112.245.230.139	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Jinan	China	112.232.188.13	Shandong	
AS3786 LG DACOM Corporation	Anyang-si (Deokcheon-ro)	Republic of Korea	112.216.111.249	Gyeonggi-do	
AS4766 Korea Telecom	Sangju (Okwang-ri)	Republic of Korea	112.185.205.213	Gyeongsangbuk-do	
AS17858 LG POWERCOMM	Anyang-si	Republic of Korea	112.149.194.54	Gyeonggi-do	
AS4808 China Unicom Beijing Province Network	Beijing	China	111.194.244.212	Beijing	
AS4808 China Unicom Beijing Province Network	Beijing	China	111.194.167.65	Beijing	
AS4808 China Unicom Beijing Province Network	Beijing	China	111.192.86.89	Beijing	
AS4134 No.31,Jin-rong Street	Wuhan	China	111.178.98.120	Hubei	

AS4837 CHINA UNICOM China169 Backbone	Hengshui	China	110.247.58.113	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Beijingzi	China	110.228.155.110	Liaoning	
AS21032 TELTA Citynetz GmbH	Schwedt (Oder)	Germany	109.226.163.185	Brandenburg	16303
AS15557 SFR SA	Longwy	France	109.15.62.28	Grand-Est	54400
AS35032 LLC Sip nis	Samara	Russia	109.124.209.218	Samarskaya Oblast'	443095
AS7018 AT&T; Services, Inc.	Elmwood Park	United States	108.71.163.55	Illinois	60707
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Union	United States	108.50.232.43	New Jersey	07083
AS7018 AT&T; Services, Inc.	Elgin	United States	108.205.184.210	Illinois	60124
AS33363 BRIGHT HOUSE NETWORKS, LLC	Largo	United States	108.190.5.51	Florida	33773
AS7922 Comcast Cable Communications, LLC	Tucson	United States	107.2.41.242	Arizona	85741
AS14061 DigitalOcean, LLC	San Francisco	United States	107.170.197.205	California	94124
AS18779 EGIHosting	San Jose	United States	107.164.143.87	California	95113
AS40676 Psychz Networks	Walnut	United States	107.160.111.111	California	91789
AS33363 BRIGHT HOUSE NETWORKS, LLC	Indianapolis	United States	107.147.184.46	Indiana	46220
AS4134 No.31,Jin-rong Street	Chongqing	China	106.89.36.162	Chongqing	
AS4134 No.31,Jin-rong Street	Chongqing	China	106.88.89.236	Chongqing	
AS20940 Akamai International B.V.	Cambridge	United States	104.74.221.73	Massachusetts	02142
AS7018 AT&T; Services, Inc.	Charleston	United States	104.4.21.53	Tennessee	37310
AS13335 Cloudflare Inc	Montreal	Canada	104.16.207.39	Quebec	
AS20940 Akamai International B.V.	Amsterdam	Netherlands	104.124.202.197	North Holland	1091
AS2828 MCI Communications Services, Inc. d/b/a Verizon Business	Cambridge	United States	104.117.86.186	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Cambridge	United States	104.116.119.108	Massachusetts	02142
AS9231 China Mobile Hong Kong Company Limited	Ha Kwai Chung	Hong Kong	103.15.87.254		
AS4134 No.31,Jin-rong Street	Lhasa	China	101.248.167.175	Tibet	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	101.16.20.102	Hebei	
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Aberdeen	United States	100.16.212.208	Maryland	21001
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Langhorne	United States	100.14.46.128	Pennsylvania	19047
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	West Chester	United States	100.14.102.53	Pennsylvania	19382

AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Brighton	United States	100.0.145.24	Massachusetts	02135
AS4134 No.31,Jin-rong Street	Shanxi	China	1.70.111.17	Shanxi	
AS9318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	1.241.197.173	Seoul	
AS9318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	1.236.43.135	Seoul	