

Wed Feb 21 19:14:21 2018

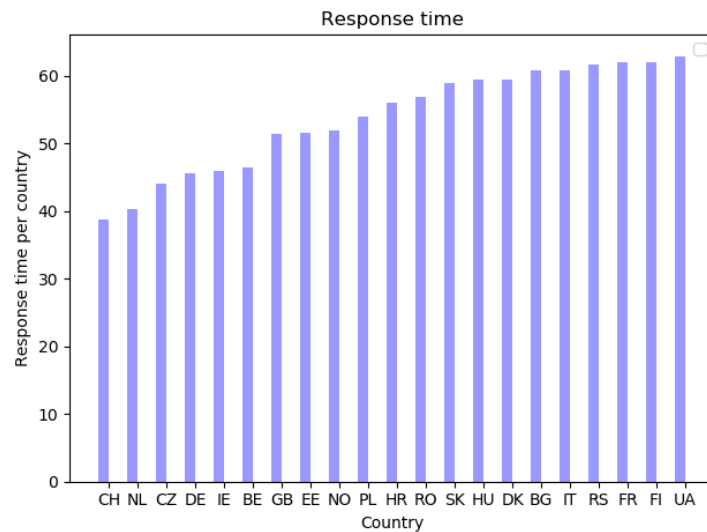
Misc-Stats:

Totally pinged IP-Adresses: 60000
Responding IP-Adresses: 1517
Not responding IP-Adresses: 58483
Percentage: 2.528

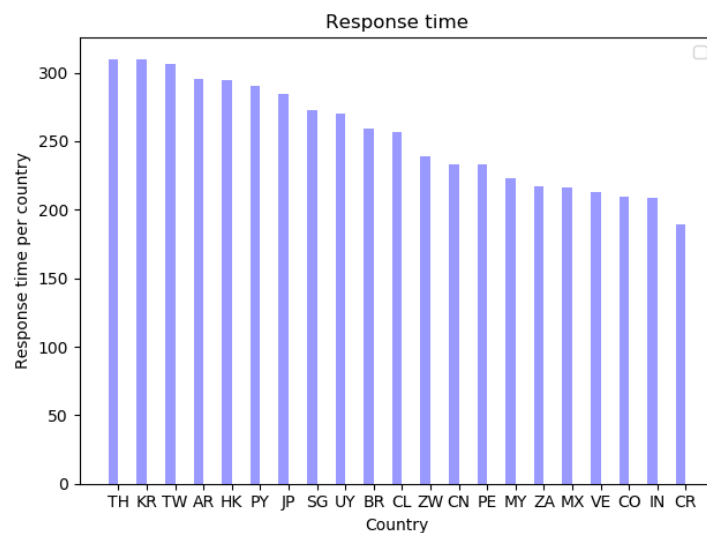
Time-Stats:

The average response time was 137.34

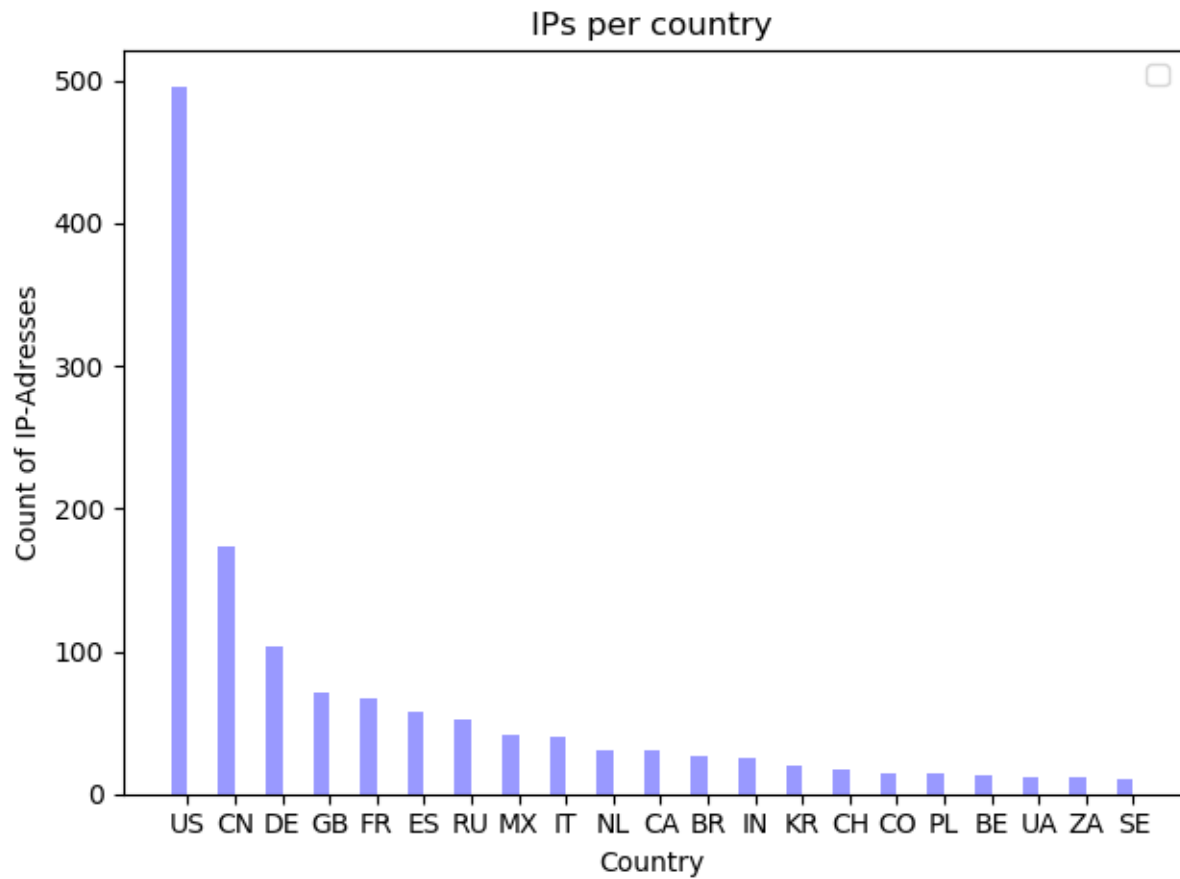
Average response time for every country (ASCENDING):



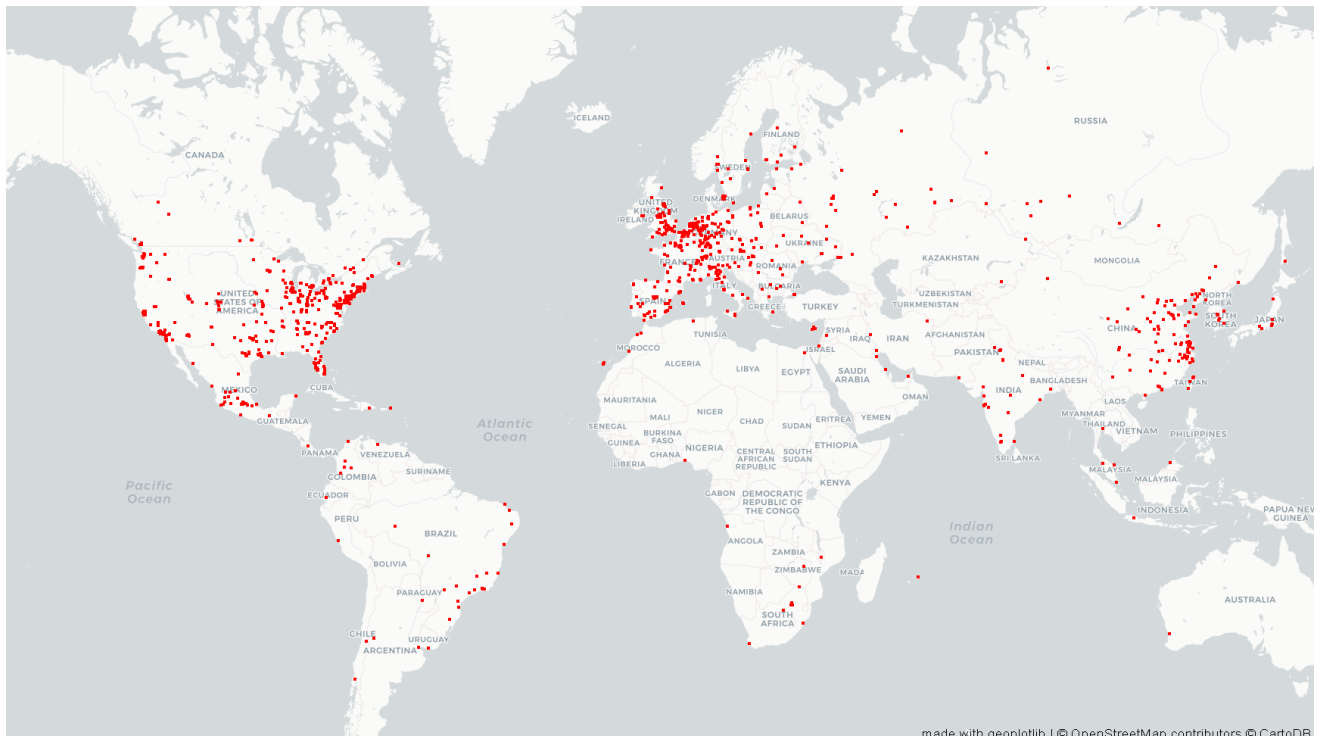
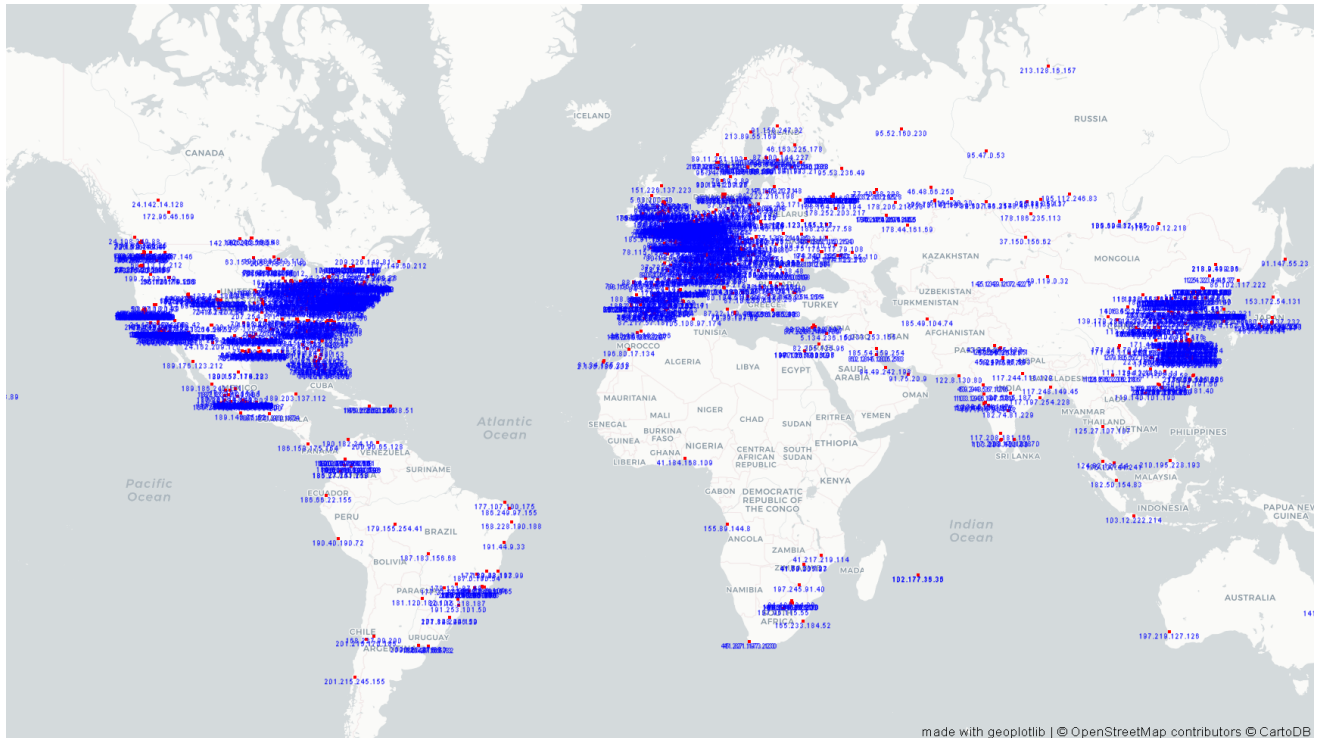
Average response time for every country (DESCENDING):



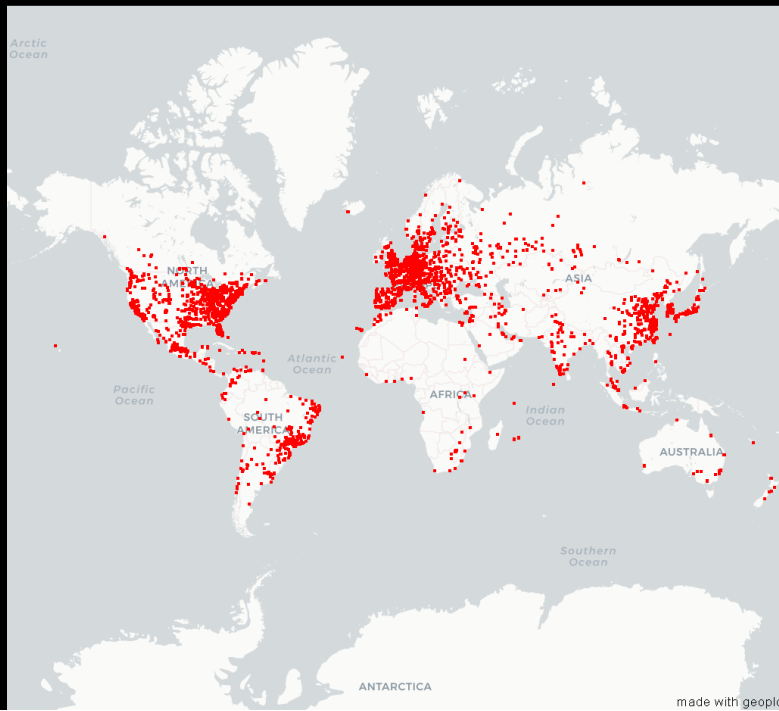
The dispersal of the responding IPs to the countrys:



The locations of every IP founded in this result:



The locations of every IP ever founded:



Name	City	Country	IP	Region	ZIP-Code
AS812 Rogers Communications Canada Inc.	Toronto	Canada	99.254.85.192	Ontario	M6C
AS7018 AT&T; Services, Inc.	Auburn	United States	98.92.50.21	Georgia	30011
AS10796 Time Warner Cable Internet LLC	Walbridge	United States	98.30.82.72	Ohio	43465
AS10796 Time Warner Cable Internet LLC	Findlay	United States	98.30.35.72	Ohio	45840
AS7922 Comcast Cable Communications, LLC	Morton	United States	98.253.81.154	Illinois	61550
AS7922 Comcast Cable Communications, LLC	Lansing	United States	98.250.20.111	Michigan	48910
AS11426 Time Warner Cable Internet LLC	North Charleston	United States	98.25.88.252	South Carolina	29418
AS7922 Comcast Cable Communications, LLC	Winchester	United States	98.249.32.199	Virginia	22601
AS11426 Time Warner Cable Internet LLC	Charlotte	United States	98.24.167.132	North Carolina	28203
AS7922 Comcast Cable Communications, LLC	Spanaway	United States	98.237.230.25	Washington	98387
AS7922 Comcast Cable Communications, LLC	McKees Rocks	United States	98.236.210.57	Pennsylvania	15136
AS7922 Comcast Cable Communications, LLC	Evanston	United States	98.226.241.210	Illinois	60201
AS7922 Comcast Cable Communications, LLC	Boston	United States	98.217.176.121	Massachusetts	02120
AS7029 Windstream Communications LLC	Northfield	United States	98.21.69.61	Ohio	44067
AS7922 Comcast Cable Communications, LLC	Grand Rapids	United States	98.209.139.217	Michigan	49506
AS7922 Comcast Cable Communications, LLC	Houston	United States	98.201.147.102	Texas	77074
AS7922 Comcast Cable Communications, LLC	Humble	United States	98.195.13.226	Texas	77346
AS20001 Time Warner Cable Internet LLC	Temecula	United States	98.148.172.237	California	92592
AS10796 Time Warner Cable Internet LLC	New Berlin	United States	98.144.17.192	Wisconsin	53151
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Philadelphia	United States	98.114.254.130	Pennsylvania	19148
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Pittsburgh	United States	98.111.208.190	Pennsylvania	15228
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Boston	United States	98.110.193.138	Massachusetts	02125
AS33363 BRIGHT HOUSE NETWORKS, LLC	Inverness	United States	97.97.224.107	Florida	34453

AS20115 Charter Communications	Trussville	United States	97.82.78.134	Alabama	35173
AS26496 GoDaddy.com, LLC	Scottsdale	United States	97.74.130.141	Arizona	85260
AS209 Qwest Communications Company, LLC	Seattle	United States	97.113.99.165	Washington	98108
AS33363 BRIGHT HOUSE NETWORKS, LLC	Haines City	United States	97.106.88.5	Florida	33844
AS16527 Guadalupe Valley Telephone Cooperative, Inc.	Boerne	United States	96.8.133.3	Texas	78006
AS7922 Comcast Cable Communications, LLC	Cambridge	United States	96.6.88.252	Massachusetts	02142
AS10796 Time Warner Cable Internet LLC	Louisville	United States	96.28.109.80	Kentucky	40222
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Middle River	United States	96.244.56.217	Maryland	21220
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Elkridge	United States	96.244.208.115	Maryland	21075
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Richmond	United States	96.238.191.146	Virginia	23227
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Natick	United States	96.230.83.16	Massachusetts	01760
AS7922 Comcast Cable Communications, LLC	Northlake	United States	96.108.14.162	Illinois	
AS31334 Vodafone Kabel Deutschland GmbH	Ockenheim	Germany	95.88.37.132	Rheinland-Pfalz	55437
AS41661 JSC ER-Telecom Holding	Chelyabinsk	Russia	95.78.171.84	Chelyabinsk	454129
AS6830 Liberty Global Operations B.V.	Sinaia	Romania	95.77.138.48	Prahova	106100
AS12389 PJSC Rostelecom	Vologda	Russia	95.53.236.49	Vologodskaya Oblast'	160000
AS12389 PJSC Rostelecom	Ukhta	Russia	95.52.160.230	Komi	169302
AS50923 Metroset	Surgut	Russia	95.47.0.53	Khanty-Mansia	628400
AS2119 Telenor Norge AS	Fredrikstad	Norway	95.34.111.1	Østfold	1601
AS3269 Telecom Italia	Trento	Italy	95.233.49.77	Trentino-Alto Adige	38100
AS3269 Telecom Italia	Como	Italy	95.232.161.76	Lombardy	22100
AS12715 Orange Espagne S.A.U.	Bilbao	Spain	95.20.220.74	Basque Country	48003
AS39927 E-Light-Telecom	Kemerovo	Russia	95.181.59.1	Kemerovskaya Oblast'	650044
AS39927 E-Light-Telecom	Kemerovo	Russia	95.181.35.137	Kemerovskaya Oblast'	650003
AS49037 Mikhail Majorov	Taganrog	Russia	95.174.122.76	Rostov	347900
AS15962 Orange Slovensko a.s.	Brezno	Slovakia	95.105.241.108	Banska Bystrica	971 01
AS5607 Sky UK Limited	Leyton	United Kingdom	94.9.253.179	England	E10

AS5607 Sky UK Limited	Gosport	United Kingdom	94.9.230.92	England	PO12
AS5607 Sky UK Limited	Maidstone	United Kingdom	94.8.85.118	England	ME99
AS28929 ASDASD srl a socio unico	Udine	Italy	94.73.91.74	Friuli Venezia Giulia	33100
AS5607 Sky UK Limited	Bolton	United Kingdom	94.5.232.196	England	BL1
AS25019 Saudi Telecom Company JSC	Safwa	Saudi Arabia	94.49.242.198	Eastern Province	
AS20960 TK Telekom sp. z o.o.	Gryfino	Poland	94.40.92.145	West Pomerania	74-100
AS21453 Flex Ltd.	Moscow	Russia	94.253.10.45	Moscow	101000
AS41232 SouthSide Network LLC	Zaporizhia	Ukraine	94.240.165.57	Zaporizhia	69118
AS16276 OVH SAS	Madrid	Spain	94.23.83.201	Madrid	
AS3209 Vodafone GmbH	Bremen	Germany	94.218.28.41	Bremen	28844
AS3209 Vodafone GmbH	Stuttgart	Germany	94.217.239.184	Baden-Württemberg Region	70178
AS3209 Vodafone GmbH	Nuremberg	Germany	94.217.16.116	Bavaria	90409
AS3209 Vodafone GmbH	Frankfurt am Main	Germany	94.216.109.142	Hesse	60389
AS20845 DIGI Tavkozlesi es Szolgaltato Kft.	Budapest	Hungary	94.21.0.87	Budapest	1012
AS5607 Sky UK Limited	Middlesbrough	United Kingdom	94.2.232.216	England	TS6
AS5607 Sky UK Limited	Yeovil	United Kingdom	94.2.187.50	England	BA21
AS5607 Sky UK Limited	Bristol	United Kingdom	94.193.149.8	England	BS1
AS3292 Tele Danmark	Greve	Denmark	94.189.45.105	Zealand	2670
AS5089 Virgin Media Limited	Basildon	United Kingdom	94.173.6.234	England	SS16
AS41865 BIAL- NET Sp. z o.o.	Otomin	Poland	94.158.143.158	Pomerania	80-174
AS34224 Neterra Ltd.	Sofia	Bulgaria	94.156.220.251	Sofia-Capital	1000
AS29522 KEI.PL Dziedzic Pasek Przybyla Sp. J.	Krakow	Poland	94.152.150.136	Lesser Poland Voivodeship	
AS47165 Omskie kabelnye seti Ltd.	Omsk	Russia	94.137.41.214	Omskaya Oblast'	644000
AS5607 Sky UK Limited	Milton Keynes	United Kingdom	94.13.49.7	England	MK7
AS5607 Sky UK Limited	Windermere	United Kingdom	94.13.12.111	England	LA23
AS5607 Sky UK Limited	Colchester	United Kingdom	94.0.182.131	England	CO2
AS15557 SFR SA	Luzarches	France	93.3.48.164	Île-de-France	95270
AS3320 Deutsche Telekom AG	Heilbronn	Germany	93.201.88.88	Baden-Württemberg Region	74080

AS3320 Deutsche Telekom AG	Greifswald	Germany	93.198.94.166	Mecklenburg-Vorpommern	
AS3320 Deutsche Telekom AG	Rosenthal	Germany	93.198.131.33	Hesse	35119
AS44558 Netonline Bilisim Sirketi LTD	Istanbul	Turkey	93.182.101.165	Istanbul	
AS34011 Host Europe GmbH	Hoest	Germany	93.180.156.111	North Rhine-Westphalia	47652
AS50528 OAO Vitebskiy Oblastnoy Techno-Torgoviy Center Garant	Vitebsk	Belarus	93.171.50.89	Vitebsk	210000
AS15557 SFR SA	Nemours	France	93.14.70.20	Île-de-France	77140
AS3209 Vodafone GmbH	Munich	Germany	92.75.73.24	Bavaria	80797
AS3209 Vodafone GmbH	Bochum	Germany	92.72.212.242	North Rhine-Westphalia	44793
AS49633 MGK Rafal Chmielewski	Gora Kalwaria	Poland	92.63.43.117	Mazovia	05-650
AS29107 Private Stock company Sater	Kiev	Ukraine	92.249.123.19	Kyiv City	04213
AS5089 Virgin Media Limited	Bradford	United Kingdom	92.237.90.33	England	BD5
AS5089 Virgin Media Limited	South Shields	United Kingdom	92.237.188.5	England	NE33
AS5089 Virgin Media Limited	Bristol	United Kingdom	92.232.220.11	England	BS1
AS6805 Telefonica Germany	Munich	Germany	92.227.156.157	Bavaria	80333
AS3209 Vodafone GmbH	Frankfurt am Main	Germany	92.215.151.42	Hesse	
AS20676 QSC AG	Stuttgart	Germany	92.203.193.50	Baden-Württemberg Region	70178
AS20676 QSC AG	Stuttgart	Germany	92.203.137.78	Baden-Württemberg Region	70174
AS20676 QSC AG	Munich	Germany	92.194.94.22	Bavaria	81373
AS12479 Orange Espagne SA	Elche	Spain	92.189.238.23	Valencia	03205
AS12479 Orange Espagne SA	Madrid	Spain	92.177.23.97	Madrid	28002
AS20940 Akamai International B.V.	Cambridge (Mit)	United States	92.122.219.175	Massachusetts	
AS3303 Swisscom (Switzerland) Ltd	Zurich	Switzerland	92.107.176.74	Zurich	8001
AS39251 NETGUARD Ltd.	Plovdiv	Bulgaria	91.92.76.137	Plovdiv	4000
AS41334 Manche Telecom	Marchesieux	France	91.88.52.39	Normandy	50190
AS3320 Deutsche Telekom AG	Hanover	Germany	91.8.125.67	Lower Saxony	30455
AS8359 MTS PJSC	Moscow	Russia	91.78.138.215	Moscow	102128
AS15802 Emirates Integrated Telecommunications Company PJSC (EITC-DU)	Dubai	United Arab Emirates	91.75.20.9	Dubai	
AS3320 Deutsche Telekom AG	Braunschweig	Germany	91.7.67.158	Lower Saxony	38100
AS3320 Deutsche Telekom AG	Bastheim	Germany	91.61.132.67	Bavaria	97654
AS3320 Deutsche Telekom AG	Bielefeld	Germany	91.53.198.177	North Rhine-Westphalia	33604
AS3320 Deutsche Telekom AG	Cologne	Germany	91.37.184.196	North Rhine-Westphalia	51061

AS3320 Deutsche Telekom AG	Cologne	Germany	91.34.212.90	North Rhine-Westphalia	50968
AS62432 ViITel Ltd	St Petersburg	Russia	91.215.200.203	St.-Petersburg	190817
AS48471 Tov fort-post	Kharkiv	Ukraine	91.211.15.254	Kharkivs'ka Oblast'	61036
AS41156 Ecole Superieure d'Informatique	Paris	France	91.207.209.249	Île-de-France	
AS47869 Netrouting	Bucharest	Romania	91.199.50.50	Bucuresti	020331
AS31633 PP Lan-Telecom	Odesa	Ukraine	91.192.131.67	Odessa	65033
AS3 Massachusetts Institute of Technology	Veldegem	Belgium	91.180.45.183	Flanders	8210
AS719 Elisa Oyj	Nivala	Finland	91.158.247.32	Northern Ostrobothnia	85500
AS12989 StackPath LLC	Greenhithe	United Kingdom	91.148.223.175	England	DA9
AS8443 PJSC Rostelecom	Korsakov	Russia	91.147.55.23	Sakhalinskaya Oblast'	694020
AS8447 A1 Telekom Austria AG	Veitsdorf	Austria	91.112.63.246	Upper Austria	
AS12479 Orange Espagne SA	Valencia	Spain	90.74.216.251	Valencia	46001
AS3215 Orange	Paris	France	90.63.225.5	Île-de-France	75001
AS5607 Sky UK Limited	Oxford	United Kingdom	90.218.195.197	England	OX1
AS5607 Sky UK Limited	Manchester	United Kingdom	90.217.194.189	England	M40
AS5607 Sky UK Limited	Ashford	United Kingdom	90.210.48.168	England	TN24
AS5607 Sky UK Limited	Hackney	United Kingdom	90.207.11.248	England	E2
AS5607 Sky UK Limited	Fulham	United Kingdom	90.201.188.251	England	SW6
AS5607 Sky UK Limited	Southampton	United Kingdom	90.200.133.222	England	SO14
AS5607 Sky UK Limited	Norwich	United Kingdom	90.199.8.187	England	NR3
AS5607 Sky UK Limited	Rotherhithe	United Kingdom	90.198.70.245	England	SE16
AS3249 Telia Eesti AS	Narva	Estonia	90.191.193.21	Ida-Virumaa	
AS20712 Andrews & Arnold Ltd	City of Westminster	United Kingdom	90.155.51.208	England	SW1
AS1257 TELE2	Gothenburg	Sweden	90.144.209.27	Västra Götaland	
AS3215 Orange	Bordeaux	France	90.121.106.33	Aquitaine	
AS6830 Liberty Global Operations B.V.	Gdynia	Poland	89.78.20.146	Pomerania	81-411
AS8881 1&1 Versatel Deutschland GmbH	Essen	Germany	89.247.15.174	North Rhine-Westphalia	45219
AS34123 Netorn LLC	Pushkino	Russia	89.222.169.30	Moscow Oblast	141207
AS6730 Sunrise Communications AG	Zurich	Switzerland	89.217.46.202	Zurich	8037

AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens	Greece	89.210.43.246	Attica	
AS34383 Teloise	Moreuil	France	89.170.173.104	Hauts-de-France	80110
AS15659 NextGenTel AS	Hamar	Norway	89.11.251.103	Hedmark	
AS3209 Vodafone GmbH	Cologne	Germany	88.76.20.75	North Rhine-Westphalia	50670
AS3209 Vodafone GmbH	Gütersloh	Germany	88.76.11.79	North Rhine-Westphalia	33332
AS3209 Vodafone GmbH	Münster	Germany	88.76.1.135	North Rhine-Westphalia	48153
AS3269 Telecom Italia	Tuoro sul Trasimeno	Italy	88.33.15.212	Umbria	06069
AS39354 UAB INIT Corporation	Mažeikiai	Republic of Lithuania	88.222.216.198	Telsiai	89001
AS20804 Exatel S.A.	Krakow	Poland	88.220.175.251	Lesser Poland Voivodeship	
AS3352 Telefonica De Espana	Granada	Spain	88.20.75.54	Andalusia	18001
AS12322 Free SAS	Armbouts-Cappel	France	88.185.246.26	Hauts-de-France	59380
AS12322 Free SAS	Annoeullin	France	88.182.193.82	Hauts-de-France	59112
AS3352 Telefonica De Espana	Meco	Spain	88.18.74.206	Madrid	28880
AS3352 Telefonica De Espana	Santiago de Compostela	Spain	88.18.152.196	Galicia	15883
AS3352 Telefonica De Espana	Barcelona	Spain	88.18.100.250	Catalonia	08001
AS12322 Free SAS	Grenoble	France	88.167.69.79	Auvergne-Rhone-Alpes	38000
AS12322 Free SAS	Villepreux	France	88.166.91.152	Île-de-France	78450
AS34391 Paritel Operateur Sasu	Hondschoote	France	88.151.237.186	Hauts-de-France	59122
AS8228 SFR SA	Sotteville-lès-Rouen	France	88.141.220.84	Normandy	76300
AS3352 Telefonica De Espana	Gijón	Spain	88.14.59.202	Principality of Asturias	33200
AS35311 PR-TELECOM Rt.	Dunaharaszti	Hungary	88.132.72.212	Pest megye	2330
AS719 Elisa Oyj	Helsinki	Finland	88.115.7.172	Uusimaa	00150
AS3352 Telefonica De Espana	Murcia	Spain	88.11.233.225	Murcia	30003
AS3352 Telefonica De Espana	Linares	Spain	88.11.178.160	Andalusia	23700
AS5610 O2 Czech Republic, a.s.	Prague	Czechia	88.101.3.121	Hlavní město Praha	150 00
AS3292 Tele Danmark	Rønne	Denmark	87.63.141.198	Capital Region	3700
AS3292 Tele Danmark	Skovlunde	Denmark	87.55.124.117	Capital Region	
AS3269 Telecom Italia	Ponte San Pietro	Italy	87.4.91.63	Lombardy	24036
AS3269 Telecom Italia	Trieste	Italy	87.4.160.225	Friuli Venezia Giulia	34151
AS47169 MVM NET Zrt.	Szederkény	Hungary	87.229.38.36	Baranya	7751
AS6866 Cyprus Telecommunications Authority	Limassol	Cyprus	87.228.244.189	Limassol	
AS6866 Cyprus Telecommunications Authority	Larnaca	Cyprus	87.228.189.137	Larnaka	
AS12715 Orange Espagne S.A.U.	Bilbao	Spain	87.223.13.11	Basque Country	
AS3269 Telecom Italia	Altofonte	Italy	87.22.169.44	Sicily	90030
AS12715 Orange Espagne S.A.U.	Chiclana de la Frontera	Spain	87.217.57.187	Andalusia	11130
AS3269 Telecom Italia	Rome	Italy	87.20.210.51	Latium	00134

AS3320 Deutsche Telekom AG	Krefeld	Germany	87.186.74.228	North Rhine-Westphalia	47809
AS3320 Deutsche Telekom AG	Ortenberg	Germany	87.178.110.156	Hesse	63683
AS3320 Deutsche Telekom AG	Nuremberg	Germany	87.138.132.116	Bavaria	
AS8881 1&1 Versatel Deutschland GmbH	Dortmund	Germany	87.122.210.58	North Rhine-Westphalia	44149
AS16086 DNA Oyj	Lahti	Finland	87.100.144.227	Päijänne Tavastia	15150
AS3269 Telecom Italia	Veglie	Italy	87.10.253.64	Apulia	73010
AS1257 TELE2	Vienna	Austria	86.32.204.189	Vienna	1030
AS5089 Virgin Media Limited	Southampton	United Kingdom	86.3.255.176	England	SO31
AS5089 Virgin Media Limited	Balham	United Kingdom	86.12.43.233	England	SW12
AS12332 PJSC Rostelecom	Vladivostok	Russia	86.102.117.222	Primorskiy Kray	690037
AS5089 Virgin Media Limited	Luton	United Kingdom	86.0.85.178	England	LU4
AS12479 Orange Espagne SA	Barcelona	Spain	85.62.120.87	Catalonia	08002
AS3303 Swisscom (Switzerland) Ltd	Zurich	Switzerland	85.5.99.1	Zurich	8037
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Lisbon	Portugal	85.246.38.254	Lisbon	1200-181
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Lisbon	Portugal	85.245.95.44	Lisbon	1200-181
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Santa Iria da Azoia	Portugal	85.245.112.151	Lisbon	2625-015
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Lisbon	Portugal	85.244.176.174	Lisbon	1200-181
AS29505 TraveKom Telekommunikationsgesellschaft mbH	Lübeck	Germany	85.233.26.81	Schleswig-Holstein	23564
AS12392 Brutele SC	Virton	Belgium	85.201.225.190	Wallonia	6762
AS47771 Digital Cable Television Ltd	Plovdiv	Bulgaria	85.187.121.49	Plovdiv	4000
AS12874 Fastweb	Conegliano	Italy	85.18.133.167	Veneto	31015
AS6805 Telefonica Germany	Hamburg	Germany	85.179.180.91	Hamburg	22299
AS9145 EWE-Tel GmbH	Osterholz-Scharmbeck	Germany	85.16.162.105	Lower Saxony	27711
AS12871 KPN B.V.	Nijmegen	Netherlands	85.113.241.233	Provincie Gelderland	6546
AS3303 Swisscom (Switzerland) Ltd	Bern	Switzerland	85.1.49.183	Bern	3004
AS3303 Swisscom (Switzerland) Ltd	Oberentfelden	Switzerland	85.1.220.113	Aargau	5036
AS15557 SFR SA	Villeurbanne	France	84.99.233.3	Auvergne-Rhone-Alpes	69100
AS3209 Vodafone GmbH	Hochheim am Main	Germany	84.59.80.121	Hesse	65239
AS3209 Vodafone GmbH	Wiesbaden	Germany	84.59.44.105	Hesse	65191

AS3209 Vodafone GmbH	Wiesbaden	Germany	84.58.100.116	Hesse	65187
AS3209 Vodafone GmbH	Nuremberg	Germany	84.56.207.78	Bavaria	90455
AS12644 Telemach d.o.o.	Velenje	Slovenia	84.52.128.173	Velenje	3320
AS3249 Telia Eesti AS	Tallinn	Estonia	84.50.134.191	Harjumaa	
AS200548 LiWiNeA GmbH	Rheinbreitbach	Germany	84.39.102.26	Rheinland-Pfalz	
AS1759 Telia Finland Oyj	Turku	Finland	84.249.64.6	Finland Proper	20610
AS50129 Concisa, Comunicacion, Marketing y Servicios S.L.	Bigastro	Spain	84.236.152.194	Valencia	03380
AS8612 Tiscali SpA	Pergine Valsugana	Italy	84.223.86.21	Trentino-Alto Adige	38057
AS6848 Telenet BVBA	Kasterlee	Belgium	84.198.3.43	Flanders	2460
AS6848 Telenet BVBA	Borgerhout	Belgium	84.198.213.41	Flanders	2140
AS6848 Telenet BVBA	Berchem	Belgium	84.196.101.28	Flanders	2600
AS3320 Deutsche Telekom AG	Germering	Germany	84.169.195.5	Bavaria	82110
AS29222 Infomaniak Network SA	Vernier	Switzerland	84.16.92.242	Geneva	1214
AS3320 Deutsche Telekom AG	Grafelfing	Germany	84.151.136.121	Bavaria	82166
AS3320 Deutsche Telekom AG	Runkel	Germany	84.143.55.69	Hesse	65594
AS3320 Deutsche Telekom AG	Bonn	Germany	84.136.139.154	North Rhine-Westphalia	53111
AS6739 Vodafone Ono, S.A.	Burgos	Spain	84.125.64.142	Castille and León	09007
AS6739 Vodafone Ono, S.A.	Guadalajara	Spain	84.124.226.80	Castille-La Mancha	19001
AS9143 Ziggo	Valkenburg	Netherlands	84.105.137.31	South Holland	2235
AS21155 ProServe B.V.	Papendrecht	Netherlands	83.96.253.138	South Holland	
AS3352 Telefonica De Espana	Barcelona	Spain	83.60.244.125	Catalonia	08950
AS3352 Telefonica De Espana	Gavà	Spain	83.54.96.95	Catalonia	08850
AS3352 Telefonica De Espana	Bilbao	Spain	83.47.159.104	Basque Country	48001
AS3352 Telefonica De Espana	Gavà	Spain	83.45.164.111	Catalonia	08850
AS3352 Telefonica De Espana	Barcelona	Spain	83.42.102.156	Catalonia	08001
AS3352 Telefonica De Espana	Algaida	Spain	83.41.232.4	Balearic Islands	07210
AS3352 Telefonica De Espana	Mataró	Spain	83.40.150.89	Catalonia	08301
AS3352 Telefonica De Espana	Cáceres	Spain	83.39.145.97	Extremadura	10004
AS5617 Orange Polska Spolka Akcyjna	Ustron	Poland	83.17.145.77	Silesia	43-450
AS31304 Espol Sp. z o. o.	Szczecin	Poland	83.168.91.224	West Pomerania	70-236
AS3265 Xs4all Internet BV	Rotterdam	Netherlands	83.161.126.21	South Holland	3026
AS12322 Free SAS	Colombes	France	83.157.93.37	Île-de-France	92700
AS5617 Orange Polska Spolka Akcyjna	Olsztyn	Poland	83.15.179.1	Warmia-Masuria	11-041
AS8881 1&1 Versatel Deutschland GmbH	Essen	Germany	83.135.155.223	North Rhine-Westphalia	45143
AS3209 Vodafone GmbH	Dortmund	Germany	82.83.238.242	North Rhine-Westphalia	44227
AS3209 Vodafone GmbH	Karlsruhe	Germany	82.83.187.37	Baden-Württemberg Region	76139

AS3209 Vodafone GmbH	Münster	Germany	82.82.228.42	North Rhine-Westphalia	48149
AS12322 Free SAS	Bordeaux	France	82.66.2.62	Nouvelle-Aquitaine	33800
AS3269 Telecom Italia	Truccazzano	Italy	82.60.81.200	Lombardy	20060
AS3269 Telecom Italia	Arcene	Italy	82.52.223.49	Lombardy	24040
AS5089 Virgin Media Limited	Twickenham	United Kingdom	82.43.52.243	England	TW1
AS5089 Virgin Media Limited	Mitcham	United Kingdom	82.42.117.21	England	CR4
AS5089 Virgin Media Limited	Hornsey	United Kingdom	82.34.67.153	England	N8
AS12322 Free SAS	Angoulême	France	82.248.107.95	Poitou-Charentes	
AS12322 Free SAS	Vallauris	France	82.242.160.103	Provence-Alpes-Côte d'Azur	06220
AS12322 Free SAS	Sélestat	France	82.242.149.47	Grand-Est	67600
AS12322 Free SAS	Le Havre	France	82.241.69.82	Normandy	76620
AS12322 Free SAS	Cergy	France	82.239.176.33	Île-de-France	95000
AS12322 Free SAS	Gradignan	France	82.236.134.154	Nouvelle-Aquitaine	33170
AS12322 Free SAS	Montgeron	France	82.229.227.189	Île-de-France	91230
AS12322 Free SAS	Saint-Martin-d'Hères	France	82.225.55.164	Auvergne-Rhone-Alpes	38400
AS15975 Hadara	Gaza	Palestine	82.205.126.96		
AS8359 MTS PJSC	Moscow	Russia	82.204.249.197	Moscow	115408
AS3265 Xs4all Internet BV	Amsterdam	Netherlands	82.161.37.26	North Holland	1016
AS5089 Virgin Media Limited	Liverpool	United Kingdom	82.12.5.247	England	L3
AS13189 Liden Data Internetwork AB	Tierp	Sweden	82.100.119.28	Uppsala	815 36
AS12322 Free SAS	Villejuif	France	81.57.199.92	Île-de-France	94800
AS3352 Telefonica De Espana	Madrid	Spain	81.41.142.241	Madrid	28041
AS3352 Telefonica De Espana	Collado Villalba	Spain	81.40.214.56	Madrid	28400
AS6866 Cyprus Telecommunications Authority	Nicosia	Cyprus	81.4.141.213	Lefkosia	
AS3352 Telefonica De Espana	Colmenar Viejo	Spain	81.37.151.64	Madrid	28770
AS3352 Telefonica De Espana	Las Palmas de Gran Canaria	Spain	81.34.155.218	Canary Islands	35002
AS21263 TeleData GmbH	Friedrichshafen	Germany	81.27.127.252	Baden-Württemberg Region	88048
AS3 Massachusetts Institute of Technology	Brussels	Belgium	81.241.101.44	Brussels Capital	
AS8339 kabelplus GmbH	Stockerau	Austria	81.217.58.94	Lower Austria	2000
AS8726 Grupa KKI-BCI Sp. Z o.o.	Grupa	Poland	81.21.206.236	Kujawsko-Pomorskie	86-134
AS8726 Grupa KKI-BCI Sp. Z o.o.	Grupa	Poland	81.21.199.120	Kujawsko-Pomorskie	86-134
AS30848 TWT S.p.A.	Legnago	Italy	81.21.18.173	Veneto	37045
AS12491 Gilat Satcom	Pretoria	South Africa	81.199.34.90	Gauteng	

AS6663 Euroweb Romania S.A.	Bucharest	Romania	81.181.95.119	Bucuresti	061124
AS12513 Kcom Group Plc	Barnet	United Kingdom	81.168.106.81	England	EN4
AS2856 British Telecommunications PLC	Kidderminster	United Kingdom	81.138.68.97	England	DY11
AS5089 Virgin Media Limited	Leyton	United Kingdom	81.101.58.96	England	E10
AS6830 Liberty Global Operations B.V.	Varpalota	Hungary	80.98.118.189	Veszprem megye	8100
AS2119 Telenor Norge AS	Påarp	Sweden	80.94.212.141	Skåne	
AS21201 Netfonds Bank ASA	Oslo	Norway	80.91.238.37	Oslo County	0001
AS21173 LANtana GmbH	Hamburg	Germany	80.91.104.130	Hamburg	
AS5089 Virgin Media Limited	Bradford	United Kingdom	80.5.173.179	England	BD5
AS5617 Orange Polska Spolka Akcyjna	Warsaw	Poland	80.48.97.105	Mazovia	01-796
AS3352 Telefonica De Espana	Felanitx	Spain	80.36.233.171	Balearic Islands	07200
AS3352 Telefonica De Espana	Badajoz	Spain	80.26.214.97	Extremadura	06001
AS1759 Telia Finland Oyj	Turku	Finland	80.222.249.130	Finland Proper	20100
AS6412 KW KEMS Block-A, Floor 7, Souq Al-Kabeer Kuwait City, State of Kuwait P O Box 3623, Safat 130	Kuwait City (Jibla)	Kuwait	80.184.180.213	Al Asimah	
AS6805 Telefonica Germany	Berlin	Germany	80.171.161.93	Land Berlin	10249
AS3292 Tele Danmark	Copenhagen	Denmark	80.162.249.193	Capital Region	2840
AS3215 Orange	Paris	France	80.15.140.136	Île-de-France	
AS3215 Orange	Saint-Lambert-la-Potherie	France	80.14.9.135	Pays de la Loire	
AS3269 Telecom Italia	Rimini	Italy	80.117.78.20	Emilia-Romagna	47900
AS3269 Telecom Italia	Nola	Italy	80.104.51.249	Campania	80035
AS3356 Level 3 Communications, Inc.	Newark	United States	8.40.221.167	New Jersey	
AS3356 Level 3 Communications, Inc.	Winton	United States	8.39.75.233	Minnesota	
AS12824 home.pl S.A.	Szczecin	Poland	79.96.38.230	West Pomeranian Voivodeship	
AS15557 SFR SA	Reims	France	79.94.239.194	Grand-Est	51100
AS15557 SFR SA	Moire	France	79.93.150.52	Auvergne-Rhone-Alpes	69620
AS15557 SFR SA	Pegomas	France	79.92.121.85	Provence-Alpes-Côte d'Azur	06580
AS15557 SFR SA	Villefranche-de-Lauragais	France	79.83.59.37	Occitanie	31290
AS3269 Telecom Italia	Adro	Italy	79.54.142.73	Lombardy	25030
AS3269 Telecom Italia	Milan	Italy	79.50.158.199	Lombardy	20128
AS3269 Telecom Italia	Bologna	Italy	79.42.56.202	Emilia-Romagna	40131
AS3269 Telecom Italia	Florence	Italy	79.42.123.61	Tuscany	50135
AS3269 Telecom Italia	Catania	Italy	79.36.102.86	Sicily	95100

AS3269 Telecom Italia	Lentini	Italy	79.33.107.62	Sicily	96016
AS3269 Telecom Italia	Bari	Italy	79.3.12.36	Apulia	70124
AS3320 Deutsche Telekom AG	Heidelberg	Germany	79.255.95.91	Baden-Württemberg Region	69121
AS3320 Deutsche Telekom AG	Morbach	Germany	79.248.129.207	Rheinland-Pfalz	54497
AS3320 Deutsche Telekom AG	Tanna	Germany	79.246.214.244	Thuringia	07922
AS3269 Telecom Italia	Vestone	Italy	79.21.97.241	Lombardy	25078
AS9125 Društvo za telekomunikacije Orion telekom doo Beograd, Gandijeve 76a	Belgrade	Serbia	79.175.85.161	Belgrade	
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens	Greece	79.166.243.133	Attica	
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Thessaloniki	Greece	79.166.156.238	Central Macedonia	
AS12715 Orange Espagne S.A.U.	Requena	Spain	79.162.148.101	Valencia	46340
AS3352 Telefonica De Espana	Santiago de Compostela	Spain	79.156.137.213	Galicia	15702
AS3352 Telefonica De Espana	Alcorcón	Spain	79.152.43.146	Madrid	28925
AS3352 Telefonica De Espana	Seville	Spain	79.146.187.243	Andalusia	41003
AS2116 Broadnet AS	Fetsund	Norway	79.135.4.29	Akershus	1900
AS8708 RCS & RDS	Cluj-Napoca	Romania	79.119.102.107	Judetul Cluj	400001
AS8866 Vivacom	Stara Zagora	Bulgaria	79.100.78.210	Oblast Stara Zagora	6000
AS6830 Liberty Global Operations B.V.	Cluj-Napoca	Romania	78.97.200.98	Judetul Cluj	
AS29580 Mobiltel Ead	Sofia	Bulgaria	78.83.54.138	Sofia-Capital	1000
AS3301 Telia Company AB	Tidaholm	Sweden	78.69.2.89	Västra Götaland	522 32
AS6805 Telefonica Germany	Neuss	Germany	78.49.40.81	North Rhine-Westphalia	41470
AS12322 Free SAS	Leyviller	France	78.251.14.82	Grand-Est	57660
AS12322 Free SAS	Évreux	France	78.245.253.184	Normandy	
AS12322 Free SAS	Orchies	France	78.242.189.50	Hauts-de-France	59310
AS12322 Free SAS	Lambesc	France	78.237.108.87	Provence-Alpes-Côte d'Azur	13410
AS12322 Free SAS	Ivry-sur-Seine	France	78.232.249.62	Île-de-France	94200
AS12322 Free SAS	Oye-Plage	France	78.230.141.61	Hauts-de-France	62215
AS12322 Free SAS	Aubevoye	France	78.220.53.104	Normandy	27940
AS12322 Free SAS	Messery	France	78.214.76.213	Auvergne-Rhone-Alpes	74140
AS6848 Telenet BVBA	Ghent	Belgium	78.21.7.117	Flanders	9000
AS12322 Free SAS	Annonay	France	78.208.48.168	Auvergne-Rhone-Alpes	07100
AS12322 Free SAS	Chateaubriant	France	78.203.6.65	Pays de la Loire	44110
AS12322 Free SAS	Alzonne	France	78.203.41.50	Occitanie	11170
AS6848 Telenet BVBA	Geraardsbergen	Belgium	78.20.170.15	Flanders	9500
AS12322 Free SAS	Malbuisson	France	78.196.89.69	Bourgogne-Franche-Comte	25160

AS12322 Free SAS	Paris	France	78.192.164.108	Île-de-France	75018
AS2110 BT Communications Ireland Limited	Dublin	Ireland	78.17.129.90	Leinster	
AS6830 Liberty Global Operations B.V.	Budapest	Hungary	78.139.2.242	Budapest	1117
AS8228 SFR SA	Brest	France	78.115.197.167	Brittany	29200
AS8228 SFR SA	Grasse	France	78.114.15.201	Provence-Alpes-Côte d'Azur	06130
AS8228 SFR SA	Sireuil	France	78.112.24.182	Nouvelle-Aquitaine	16440
AS31430 LLC tc Tel Center	Moscow	Russia	78.108.195.93	Moscow	109144
AS5391 Hrvatski Telekom d.d.	Zagreb	Croatia	78.0.211.127	City of Zagreb	10000
AS35632 Iris 64	Andoins	France	77.84.24.8	Nouvelle-Aquitaine	64420
AS15694 ATM S.A.	Warsaw	Poland	77.79.217.71	Mazovia	01-887
AS6830 Liberty Global Operations B.V.	Zurich	Switzerland	77.56.36.123	Zurich	8055
AS6830 Liberty Global Operations B.V.	Emmenbruecke	Switzerland	77.56.228.37	Lucerne	6020
AS12353 Vodafone Portugal - Comunicacoes Pessoais S.A.	Lisbon	Portugal	77.54.127.118	Lisbon	1200-181
AS12389 PJSC Rostelecom	Yoshkar-Ola	Russia	77.40.38.208	Respublika Mariy-El	424000
AS6821 Makedonski Telekom AD-Skopje	Skopje	Macedonia	77.28.156.28	Opstina Karpos	1000
AS6830 Liberty Global Operations B.V.	Heerenveen	Netherlands	77.249.138.119	Friesland	8447
AS39264 Sakha-Belcom Ltd.	Samara	Russia	77.245.217.242	Samarskaya Oblast'	404146
AS39473 Ariane Network SAS	Albi	France	77.240.204.209	Midi-Pyrénées	
AS28968 Eurasia Telecom Ltd.	Moscow	Russia	77.232.32.25	Moscow	102128
AS6805 Telefonica Germany	Hagen	Germany	77.182.160.78	North Rhine-Westphalia	58095
AS6805 Telefonica Germany	Dortmund	Germany	77.181.6.69	North Rhine-Westphalia	44269
AS6805 Telefonica Germany	Berlin	Germany	77.180.62.206	Land Berlin	12529
AS15557 SFR SA	Auribeau-sur-Siagne	France	77.144.93.129	Provence-Alpes-Côte d'Azur	06810
AS25229 Volia	Rivne	Ukraine	77.123.21.185	Rivnens'ka Oblast'	33022
AS7922 Comcast Cable Communications, LLC	Philadelphia	United States	76.99.24.84	Pennsylvania	19130
AS20001 Time Warner Cable Internet LLC	Los Angeles	United States	76.91.158.69	California	90043
AS11427 Time Warner Cable Internet LLC	Fremont	United States	76.84.147.215	Nebraska	68025
AS7922 Comcast Cable Communications, LLC	Galveston	United States	76.31.1.155	Texas	77550
AS7922 Comcast Cable Communications, LLC	Nashville	United States	76.22.229.241	Tennessee	37216
AS10796 Time Warner Cable Internet LLC	Geneva	United States	76.189.13.122	Ohio	44041

AS11427 Time Warner Cable Internet LLC	Dallas	United States	76.186.238.107	Texas	75249
AS20001 Time Warner Cable Internet LLC	Encino	United States	76.169.107.54	California	91316
AS20001 Time Warner Cable Internet LLC	San Diego	United States	76.167.191.206	California	92122
AS7922 Comcast Cable Communications, LLC	Lake Forest	United States	76.16.143.146	Illinois	60045
AS7922 Comcast Cable Communications, LLC	San Carlos	United States	76.126.55.197	California	94070
AS7922 Comcast Cable Communications, LLC	Murfreesboro	United States	76.122.193.200	Tennessee	37128
AS7922 Comcast Cable Communications, LLC	Northampton	United States	76.119.103.57	Massachusetts	01060
AS7922 Comcast Cable Communications, LLC	Pontiac	United States	76.112.232.113	Michigan	48340
AS7922 Comcast Cable Communications, LLC	Boynton Beach	United States	76.109.45.35	Florida	33437
AS7922 Comcast Cable Communications, LLC	Spokane	United States	76.104.237.146	Washington	99217
AS7029 Windstream Communications LLC	Linesville	United States	75.90.27.223	Pennsylvania	16424
AS7029 Windstream Communications LLC	Moody	United States	75.90.241.192	Alabama	35004
AS7029 Windstream Communications LLC	Moody	United States	75.90.17.8	Alabama	35004
AS7029 Windstream Communications LLC	Fitzgerald	United States	75.89.208.249	Georgia	31750
AS7922 Comcast Cable Communications, LLC	Hollywood	United States	75.74.60.204	Florida	33025
AS7922 Comcast Cable Communications, LLC	Denver	United States	75.71.188.195	Colorado	80238
AS7922 Comcast Cable Communications, LLC	Fall River	United States	75.69.83.41	Massachusetts	02721
AS7922 Comcast Cable Communications, LLC	Cordova	United States	75.65.90.191	Tennessee	38018
AS7018 AT&T; Services, Inc.	San Jose	United States	75.52.250.113	California	95122
AS10796 Time Warner Cable Internet LLC	Galloway	United States	75.188.139.135	Ohio	43119
AS10796 Time Warner Cable Internet LLC	Erie	United States	75.185.163.54	Pennsylvania	16503
AS11426 Time Warner Cable Internet LLC	Burlington	United States	75.177.36.1	North Carolina	27215
AS209 Qwest Communications Company, LLC	Tacoma	United States	75.172.12.191	Washington	98408
AS209 Qwest Communications Company, LLC	Mesa	United States	75.171.82.185	Arizona	85204
AS20115 Charter Communications	West Covina	United States	75.128.53.35	California	91791

AS20115 Charter Communications	Madison	United States	75.128.244.112	Wisconsin	53716
AS19108 Suddenlink Communications	Huntsville	United States	75.109.211.57	Texas	77340
AS6181 Cincinnati Bell Telephone Company LLC	Cincinnati	United States	74.83.192.199	Ohio	45241
AS11351 Time Warner Cable Internet LLC	Rockport	United States	74.75.248.27	Maine	04856
AS11351 Time Warner Cable Internet LLC	Troy	United States	74.70.83.200	New York	12182
AS36728 Emery Telcom	Helper	United States	74.214.224.118	Utah	84526
AS7349 TierPoint, LLC	North Charleston	United States	74.213.132.243	South Carolina	29418
AS19108 Suddenlink Communications	Lake Charles	United States	74.196.196.1	Louisiana	70605
AS10796 Time Warner Cable Internet LLC	Prospect	United States	74.138.131.97	Kentucky	40059
AS10796 Time Warner Cable Internet LLC	Shepherdsville	United States	74.131.102.19	Kentucky	40165
AS7922 Comcast Cable Communications, LLC	Tacoma	United States	73.97.78.150	Washington	98405
AS7922 Comcast Cable Communications, LLC	Portland	United States	73.96.30.169	Oregon	97210
AS7922 Comcast Cable Communications, LLC	Philadelphia	United States	73.81.25.158	Pennsylvania	19131
AS7922 Comcast Cable Communications, LLC	Vallejo	United States	73.71.35.26	California	94591
AS7922 Comcast Cable Communications, LLC	Saint Paul	United States	73.62.145.146	Minnesota	55113
AS7922 Comcast Cable Communications, LLC	Salem	United States	73.61.194.227	Massachusetts	01970
AS7922 Comcast Cable Communications, LLC	Englewood	United States	73.55.45.43	Florida	34224
AS7922 Comcast Cable Communications, LLC	Chicago	United States	73.44.251.42	Illinois	60657
AS7922 Comcast Cable Communications, LLC	Lilburn	United States	73.43.101.250	Georgia	30047
AS7922 Comcast Cable Communications, LLC	Kent	United States	73.42.190.52	Washington	98032
AS7922 Comcast Cable Communications, LLC	Mount Holly	United States	73.29.155.199	New Jersey	08060
AS7922 Comcast Cable Communications, LLC	Punta Gorda	United States	73.27.242.40	Florida	33983
AS7922 Comcast Cable Communications, LLC	San Francisco	United States	73.252.174.80	California	94127
AS7922 Comcast Cable Communications, LLC	Rockford	United States	73.247.121.233	Illinois	61108
AS7922 Comcast Cable Communications, LLC	Elkhart	United States	73.246.65.106	Indiana	46514

AS7922 Comcast Cable Communications, LLC	Denver	United States	73.243.145.88	Colorado	80218
AS7922 Comcast Cable Communications, LLC	Sammamish	United States	73.239.66.49	Washington	98074
AS7922 Comcast Cable Communications, LLC	Quincy	United States	73.234.83.42	Massachusetts	02169
AS7922 Comcast Cable Communications, LLC	Houston	United States	73.232.253.152	Texas	77082
AS7922 Comcast Cable Communications, LLC	Houston	United States	73.232.239.145	Texas	77006
AS7922 Comcast Cable Communications, LLC	Absecon	United States	73.226.70.169	New Jersey	08205
AS7922 Comcast Cable Communications, LLC	Bloomington	United States	73.210.41.61	Illinois	61701
AS7922 Comcast Cable Communications, LLC	Frankfort	United States	73.210.169.8	Illinois	60423
AS7922 Comcast Cable Communications, LLC	Peru	United States	73.208.115.16	Illinois	61354
AS7922 Comcast Cable Communications, LLC	Lithia Springs	United States	73.207.54.120	Georgia	30122
AS7922 Comcast Cable Communications, LLC	League City	United States	73.206.143.99	Texas	77573
AS7922 Comcast Cable Communications, LLC	Littleton	United States	73.203.71.222	Colorado	80120
AS7922 Comcast Cable Communications, LLC	Wrightstown	United States	73.195.75.103	New Jersey	08562
AS7922 Comcast Cable Communications, LLC	Mount Laurel	United States	73.195.72.102	New Jersey	08054
AS7922 Comcast Cable Communications, LLC	Independence	United States	73.185.246.1	Missouri	64052
AS7922 Comcast Cable Communications, LLC	Lawrenceville	United States	73.184.141.83	Georgia	30044
AS7922 Comcast Cable Communications, LLC	Savannah	United States	73.182.42.63	Georgia	31410
AS7922 Comcast Cable Communications, LLC	Saint Clair Shores	United States	73.18.228.75	Michigan	48080
AS7922 Comcast Cable Communications, LLC	Waynesboro	United States	73.175.227.114	Pennsylvania	17268
AS7922 Comcast Cable Communications, LLC	Bowie	United States	73.173.90.97	Maryland	20715
AS7922 Comcast Cable Communications, LLC	Houston	United States	73.166.227.151	Texas	77063
AS7922 Comcast Cable Communications, LLC	Washington	United States	73.163.244.146	District of Columbia	20019
AS7922 Comcast Cable Communications, LLC	Newton	United States	73.16.226.18	New Hampshire	03858
AS7922 Comcast Cable Communications, LLC	Cape Coral	United States	73.156.6.162	Florida	33914

AS7922 Comcast Cable Communications, LLC	Houston	United States	73.155.152.149	Texas	77018
AS7922 Comcast Cable Communications, LLC	Pueblo	United States	73.153.207.60	Colorado	81007
AS7922 Comcast Cable Communications, LLC	Mechanicsville	United States	73.147.225.97	Virginia	23111
AS7922 Comcast Cable Communications, LLC	Indianapolis	United States	73.146.199.10	Indiana	46235
AS7922 Comcast Cable Communications, LLC	Monument	United States	73.14.9.114	Colorado	80132
AS7922 Comcast Cable Communications, LLC	Annapolis	United States	73.135.209.97	Maryland	21401
AS7922 Comcast Cable Communications, LLC	Woodbridge	United States	73.132.43.62	Virginia	22192
AS7922 Comcast Cable Communications, LLC	Woodbridge	United States	73.132.42.25	Virginia	22192
AS7922 Comcast Cable Communications, LLC	Morrisville	United States	73.13.196.57	Pennsylvania	19067
AS7922 Comcast Cable Communications, LLC	Boca Raton	United States	73.125.27.49	Florida	33428
AS7922 Comcast Cable Communications, LLC	Hollywood	United States	73.124.103.158	Florida	33025
AS7922 Comcast Cable Communications, LLC	Saugus	United States	73.123.190.10	Massachusetts	01906
AS7922 Comcast Cable Communications, LLC	Oak Ridge	United States	73.113.134.118	Tennessee	37830
AS7922 Comcast Cable Communications, LLC	Augusta	United States	73.108.179.93	Georgia	30907
AS7922 Comcast Cable Communications, LLC	Fort Myers	United States	73.107.15.215	Florida	33908
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Southampton	United States	72.94.90.243	Pennsylvania	18966
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Spotswood	United States	72.76.204.111	New Jersey	08884
AS26464 Joyent, Inc.	Ashburn	United States	72.2.116.143	Virginia	20147
AS11427 Time Warner Cable Internet LLC	San Antonio	United States	72.178.117.128	Texas	78207
AS812 Rogers Communications Canada Inc.	Vancouver	Canada	72.15.144.144	British Columbia	V6H
AS20115 Charter Communications	Victorville	United States	71.95.238.218	California	92394
AS20115 Charter Communications	Wausau	United States	71.89.51.12	Wisconsin	54401
AS20115 Charter Communications	Chicopee	United States	71.83.51.161	Massachusetts	01022
AS11426 Time Warner Cable Internet LLC	Wilson	United States	71.77.48.122	North Carolina	27893

AS10796 Time Warner Cable Internet LLC	Piqua	United States	71.64.145.173	Ohio	45356
AS7922 Comcast Cable Communications, LLC	Atlanta	United States	71.56.40.32	Georgia	30342
AS17402 Embarq Corporation	Rogers	United States	71.49.88.238	Minnesota	55374
AS7029 Windstream Communications LLC	Lexington	United States	71.31.19.158	Kentucky	40517
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Baltimore	United States	71.255.196.148	Maryland	21206
AS7922 Comcast Cable Communications, LLC	Harleysville	United States	71.230.13.10	Pennsylvania	19438
AS7922 Comcast Cable Communications, LLC	Miami	United States	71.229.97.160	Florida	33186
AS209 Qwest Communications Company, LLC	Denver	United States	71.218.152.147	Colorado	80205
AS209 Qwest Communications Company, LLC	Albuquerque	United States	71.216.247.73	New Mexico	87112
AS209 Qwest Communications Company, LLC	Mount Vernon	United States	71.213.9.115	Ohio	43050
AS209 Qwest Communications Company, LLC	North Fort Myers	United States	71.208.132.225	Florida	33917
AS7922 Comcast Cable Communications, LLC	Pittsburgh	United States	71.199.122.96	Pennsylvania	15217
AS7922 Comcast Cable Communications, LLC	Chelsea	United States	71.192.202.175	Massachusetts	02150
AS11831 eSecureData	Coquitlam	Canada	71.19.249.4	British Columbia	V3K
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	McKeesport	United States	71.112.93.77	Pennsylvania	15132
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Pittsburgh	United States	71.112.185.126	Pennsylvania	15239
AS7922 Comcast Cable Communications, LLC	Rochester	United States	70.88.120.174	Michigan	48307
AS11426 Time Warner Cable Internet LLC	Coward	United States	70.61.196.177	South Carolina	29530
AS209 Qwest Communications Company, LLC	Orem	United States	70.56.105.238	Utah	84058
AS577 Bell Canada	Gatineau	Canada	70.53.233.216	Quebec	J8M
AS22773 Cox Communications Inc.	Phoenix	United States	70.185.48.118	Arizona	85028
AS22773 Cox Communications Inc.	Tulsa	United States	70.185.204.18	Oklahoma	74132
AS22773 Cox Communications Inc.	Metairie	United States	70.171.81.11	Louisiana	70001
AS33363 BRIGHT HOUSE NETWORKS, LLC	Bradenton	United States	70.127.93.249	Florida	34202

AS11427 Time Warner Cable Internet LLC	Kyle	United States	70.112.101.146	Texas	78640
AS19864 O1.com	Oakland	United States	69.85.151.160	California	94606
AS23481 Hill Country Telephone Cooperative, Inc.	Ingram	United States	69.4.55.253	Texas	78025
AS6621 Hughes Network Systems	Washington D.C.	United States	69.35.111.174	District of Columbia	
AS7922 Comcast Cable Communications, LLC	Huntingtown	United States	69.251.78.167	Maryland	20639
AS7922 Comcast Cable Communications, LLC	Rosedale	United States	69.251.163.52	Maryland	21237
AS7922 Comcast Cable Communications, LLC	Stonewall	United States	69.246.72.129	Louisiana	71078
AS4181 TDS TELECOM	Knoxville	United States	69.21.136.226	Tennessee	37934
AS19271 Peak 10	Cincinnati	United States	69.2.211.225	Ohio	45241
AS7922 Comcast Cable Communications, LLC	Clarksburg	United States	68.84.132.61	Maryland	20871
AS7922 Comcast Cable Communications, LLC	Dothan	United States	68.63.0.104	Alabama	36303
AS7922 Comcast Cable Communications, LLC	Huntsville	United States	68.62.168.193	Alabama	35806
AS7922 Comcast Cable Communications, LLC	Tallahassee	United States	68.59.124.220	Florida	32304
AS7922 Comcast Cable Communications, LLC	Saint Paul	United States	68.46.32.115	Minnesota	55128
AS7922 Comcast Cable Communications, LLC	Frankfort	United States	68.45.102.155	Indiana	46041
AS7922 Comcast Cable Communications, LLC	Taylor	United States	68.40.20.57	Michigan	48180
AS7922 Comcast Cable Communications, LLC	Brownsburg	United States	68.39.67.219	Indiana	46112
AS10835 Visionary Communications, Inc.	Silt	United States	68.170.61.129	Colorado	81652
AS18501 Codero	Overland Park	United States	68.168.102.60	Kansas	66207
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Huntington	United States	68.132.44.38	New York	11743
AS22773 Cox Communications Inc.	Omaha	United States	68.13.138.159	Nebraska	68124
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	West Babylon	United States	68.129.30.234	New York	11704
AS20115 Charter Communications	Richland	United States	68.113.17.212	Washington	99352
AS20001 Time Warner Cable Internet LLC	Palm Desert	United States	67.49.83.200	California	92260
AS11351 Time Warner Cable Internet LLC	Yarmouth	United States	67.253.78.55	Maine	04096

AS46261 QuickPacket, LLC	Bridgeport	United States	67.227.105.47	Connecticut	06605
AS32475 SingleHop, Inc.	Chicago	United States	67.212.184.174	Illinois	60661
AS46606 Unified Layer	Provo	United States	67.20.123.109	Utah	84606
AS209 Qwest Communications Company, LLC	Salt Lake City	United States	67.2.226.160	Utah	84107
AS7922 Comcast Cable Communications, LLC	San Francisco	United States	67.188.39.145	California	94122
AS7922 Comcast Cable Communications, LLC	Vancouver	United States	67.171.235.169	Washington	98682
AS12083 WideOpenWest Finance LLC	Evansville	United States	67.149.235.104	Indiana	47714
AS11427 Time Warner Cable Internet LLC	San Antonio	United States	67.10.163.138	Texas	78232
AS12271 Time Warner Cable Internet LLC	New York	United States	66.65.44.194	New York	10023
AS11426 Time Warner Cable Internet LLC	Charlotte	United States	66.57.30.229	North Carolina	28203
AS7922 Comcast Cable Communications, LLC	Atlanta	United States	66.56.38.243	Georgia	30308
AS11426 Time Warner Cable Internet LLC	Leland	United States	66.56.237.251	North Carolina	28451
AS54489 CoreSpace, Inc.	Dallas	United States	66.34.68.76	Texas	75247
AS7922 Comcast Cable Communications, LLC	Middleton	United States	66.30.38.195	Massachusetts	01949
AS15224 Adobe Systems Inc.	Lehi	United States	66.235.144.214	Utah	84043
AS26923 Ohio Public Library Information Network (OPLIN)	Batavia	United States	66.213.41.229	Ohio	45103
AS15054 Northeast Texas Broadband, LLC	Leonard	United States	66.209.38.121	Texas	75452
AS7794 Golden Triangle On Line	Norwich	Canada	66.203.190.117	Ontario	
	Charlotte Amalie	U.S. Virgin Islands	66.185.38.51	Saint Thomas Island	
AS5742 Consolidated Communications, Inc.	Mattoon	United States	66.116.33.235	Illinois	61938
AS12271 Time Warner Cable Internet LLC	Richmond Hill	United States	66.108.198.203	New York	11419
AS33363 BRIGHT HOUSE NETWORKS, LLC	Winter Haven	United States	65.32.241.184	Florida	33885
AS10796 Time Warner Cable Internet LLC	Oak Creek	United States	65.30.166.216	Wisconsin	53154
AS11426 Time Warner Cable Internet LLC	Goldsboro	United States	65.190.176.67	North Carolina	27534
AS11426 Time Warner Cable Internet LLC	Asheboro	United States	65.188.153.250	North Carolina	27205
AS7393 CYBERCON, INC.	St Louis	United States	65.175.107.237	Missouri	63101
AS209 Qwest Communications Company, LLC	Amherst	United States	65.152.246.30	Ohio	44001

AS209 Qwest Communications Company, LLC	Paradise	United States	65.131.239.207	Texas	76073
AS209 Qwest Communications Company, LLC	Boise	United States	65.129.74.106	Idaho	83713
AS209 Qwest Communications Company, LLC	Boise	United States	65.101.78.168	Idaho	83719
AS22658 Earthnet, Inc.	Denver	United States	65.101.207.44	Colorado	80208
AS18594 Vantiv, LLC	Cincinnati	United States	64.57.146.125	Ohio	45219
AS14492 DataPipe, Inc.	Scottsdale	United States	64.26.235.85	Arizona	85260
AS3595 Global Net Access, LLC	Falls Church	United States	64.237.108.139	Virginia	22042
AS577 Bell Canada	Saint-Zotique	Canada	64.229.251.135	Quebec	J7X
AS3356 Level 3 Communications, Inc.	Tacoma (New Tacoma)	United States	64.193.81.18	Washington	
AS3356 Level 3 Communications, Inc.	San Mateo	United States	64.193.35.151	California	94404
AS3356 Level 3 Communications, Inc.	Irving (Las Colinas)	United States	64.193.174.61	Texas	
AS19194 Sentris Network LLC	Kenmore	United States	63.223.124.156	Washington	98028
AS209 Qwest Communications Company, LLC	Fargo	United States	63.155.208.159	North Dakota	58103
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Wellington	United States	63.110.20.99	Nevada	
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens	Greece	62.38.205.23	Attica	
AS6866 Cyprus Telecommunications Authority	Nicosia	Cyprus	62.228.199.247	Lefkosia	
AS3320 Deutsche Telekom AG	Gotha	Germany	62.227.33.74	Thuringia	99867
AS8918 Coolwave Communications B.V.	Amsterdam (Amsterdam-Zuidoost)	Netherlands	62.222.212.201	North Holland	
AS8437 Tele2 Telecommunication GmbH	Vienna (Donaustadt)	Austria	62.218.176.42	Vienna	
AS21050 Fast Telecommunications Company W.L.L.	Kuwait City	Kuwait	62.215.205.58	Al Asimah	
AS3303 Swisscom (Switzerland) Ltd	Pery	Switzerland	62.203.171.140	Bern	2603
AS6739 Vodafone Ono, S.A.	Murcia	Spain	62.175.35.250	Murcia	30009
AS12357 Vodafone Spain	Barcelona	Spain	62.175.107.183	Catalonia	08014
AS6830 Liberty Global Operations B.V.	Oer-Erkenschwick	Germany	62.143.18.253	North Rhine-Westphalia	45739
AS9269 Hong Kong Broadband Network Ltd.	City of Victoria	Hong Kong	61.239.17.115	Central and Western District	
AS9269 Hong Kong Broadband Network Ltd.	City of Victoria	Hong Kong	61.238.104.29	Central and Western District	

AS4837 CHINA UNICOM China169 Backbone	Fushun	China	61.137.189.200	Liaoning	
AS9318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	61.105.86.42	Seoul	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	60.3.3.179	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	60.24.34.198	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	60.24.2.188	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Anshan	China	60.19.250.101	Liaoning	
AS4134 No.31,Jin-rong Street	Linhai	China	60.188.85.158	Zhejiang	
AS4134 No.31,Jin-rong Street	Huzhou	China	60.184.2.24	Zhejiang	
AS4134 No.31,Jin-rong Street	Hangzhou	China	60.177.155.56	Zhejiang	
AS4134 No.31,Jin-rong Street	Chanshan	China	60.171.138.30	Jiangsu	
AS4134 No.31,Jin-rong Street	Wenling	China	60.162.65.239	Zhejiang	
AS4134 No.31,Jin-rong Street	Wenling	China	60.162.42.69	Zhejiang	
AS17676 Softbank BB Corp.	Nagoya	Japan	60.134.9.130	Aichi	461-0019
AS9829 National Internet Backbone	Ahmedabad	India	59.94.56.128	Gujarat	380013
AS9829 National Internet Backbone	Rajpura	India	59.89.85.81	Punjab	140401
AS4766 Korea Telecom	Seoul	Republic of Korea	59.6.98.239	Seoul	
AS4134 No.31,Jin-rong Street	Shangrao	China	59.54.167.199	Jiangxi	
AS4134 No.31,Jin-rong Street	Nanchang	China	59.52.37.134	Jiangxi	
AS4813 China Telecom(Group)	Guangzhou	China	59.37.53.71	Guangdong	
AS17813 Mahanagar Telephone Nigam Limited	New Delhi (Janpath)	India	59.176.85.55	NCT	
AS17908 Tata Communications	Mumbai (Dadar West)	India	59.164.180.151	Maharashtra	
AS4134 No.31,Jin-rong Street	Linyi	China	58.58.201.102	Shandong	
AS4134 No.31,Jin-rong Street	Wuhan	China	58.53.90.133	Hubei	
AS4812 China Telecom (Group)	Shanghai	China	58.38.67.245	Shanghai	
AS4837 CHINA UNICOM China169 Backbone	Hefei	China	58.242.51.48	Anhui	
AS9318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	58.232.236.23	Seoul	
AS4134 No.31,Jin-rong Street	Nantong	China	58.221.7.27	Jiangsu	
AS4134 No.31,Jin-rong Street	Wuxi	China	58.219.14.122	Jiangsu	
AS16509 Amazon.com, Inc.	Dublin	Ireland	54.72.4.90	Leinster	D02
AS16276 OVH SAS	Clichy-sous-Bois	France	54.38.132.77	Île-de-France	
AS16276 OVH SAS	Clichy-sous-Bois	France	54.36.205.121	Île-de-France	
AS14618 Amazon.com, Inc.	Ashburn	United States	54.209.121.199	Virginia	20149
AS14618 Amazon.com, Inc.	Ashburn	United States	54.163.173.184	Virginia	20149

AS14618 Amazon.com, Inc.	Ashburn	United States	52.91.178.21	Virginia	20149
AS16509 Amazon.com, Inc.	Frankfurt am Main	Germany	52.29.34.142	Hesse	09039
AS33363 BRIGHT HOUSE NETWORKS, LLC	Indianapolis	United States	50.90.204.202	Indiana	46201
AS12271 Time Warner Cable Internet LLC	New York	United States	50.74.137.77	New York	10044
AS19994 Rackspace Ltd.	San Antonio	United States	50.57.19.242	Texas	78218
AS5650 Frontier Communications of America, Inc.	Wellington	United States	50.51.18.100	Ohio	44090
AS5650 Frontier Communications of America, Inc.	Gardnerville	United States	50.37.18.143	Nevada	89460
AS7922 Comcast Cable Communications, LLC	Pittsburg	United States	50.236.62.114	California	94565
AS7922 Comcast Cable Communications, LLC	Linglestown (Lower Paxton Township)	United States	50.206.199.214	Pennsylvania	
AS7922 Comcast Cable Communications, LLC	Lombard	United States	50.194.76.234	Illinois	60148
AS7922 Comcast Cable Communications, LLC	Arvada	United States	50.194.153.121	Colorado	80004
AS5607 Sky UK Limited	Rowlands Gill	United Kingdom	5.70.30.37	England	NE39
AS5607 Sky UK Limited	Glasgow	United Kingdom	5.68.203.48	Scotland	G42
AS5607 Sky UK Limited	Northampton	United Kingdom	5.68.171.145	England	NN1
AS5607 Sky UK Limited	Chester	United Kingdom	5.65.119.6	England	CH1
AS50129 Concisa, Comunicacion, Marketing y Servicios S.L.	Bigastro	Spain	5.61.214.40	Valencia	03380
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens	Greece	5.55.138.241	Attica	
AS197540 netcup GmbH	Karlsruhe (Nordweststadt)	Germany	5.45.100.193	Baden-Württemberg	
AS57026 JSC ER-Telecom Holding	Cheboksary	Russia	5.3.230.195	Chuvashia	428000
AS12353 Vodafone Portugal - Comunicacoes Pessoais S.A.	Lisbon	Portugal	5.249.46.150	Lisbon	1600-660
AS48159 Telecommunication Infrastructure Company	Ilam	Iran	5.233.253.155	Ostan-e Ilam	
AS42610 PJSC Rostelecom	Moscow	Russia	5.228.231.252	Moscow	102128
AS12390 Kcom	Hull	United Kingdom	5.198.101.211	England	HU2
AS16276 OVH SAS	Varenes	France	5.196.48.253	Picardie	
AS16276 OVH SAS	Ro	Italy	5.196.222.215	Emilia-Romagna	

AS57378 JSC ER-Telecom Holding	Rostov-on-Don	Russia	5.167.123.213	Rostov	344001
AS56330 JSC ER-Telecom Holding	Kurgan	Russia	5.164.38.30	Kurganskaya Oblast'	640002
AS42689 Cablecom Networking Limited	Hampstead	United Kingdom	5.151.211.129	England	NW6
AS29256 Syrian Telecom	Damascus (Al Mazzeh)	Syria	5.134.236.160	Dimashq	
AS4134 No.31,Jin-rong Street	Yancheng	China	49.83.61.8	Jiangsu	
AS4134 No.31,Jin-rong Street	Changshu City	China	49.73.92.52	Jiangsu	
AS4134 No.31,Jin-rong Street	Nanjing	China	49.65.175.24	Jiangsu	
AS4134 No.31,Jin-rong Street	Ürümqi	China	49.119.0.32	Xinjiang	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	47.96.140.27	Zhejiang	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	47.92.112.133	Zhejiang	
AS6128 Cablevision Systems Corp.	Randolph Township	United States	47.22.61.158	New Jersey	07869
AS5650 Frontier Communications of America, Inc.	Tampa	United States	47.200.181.237	Florida	33609
AS5650 Frontier Communications of America, Inc.	Palm Harbor	United States	47.199.161.147	Florida	34684
AS5650 Frontier Communications of America, Inc.	Keller	United States	47.185.5.144	Texas	76244
AS5650 Frontier Communications of America, Inc.	Whittier	United States	47.157.66.202	California	90604
AS5650 Frontier Communications of America, Inc.	Long Beach	United States	47.156.243.81	California	90802
AS5650 Frontier Communications of America, Inc.	Redondo Beach	United States	47.153.28.67	California	90277
AS5650 Frontier Communications of America, Inc.	Baldwin Park	United States	47.145.137.234	California	91706
AS5650 Frontier Communications of America, Inc.	Victorville	United States	47.137.78.95	California	92392
AS12668 LLC KomTehCentr	Yekaterinburg	Russia	46.48.66.250	Sverdlovskaya Oblast'	620019
AS60203 Innovaciones Tecnicas del Sur S.L.	Fuente Palmera	Spain	46.39.212.171	Andalusia	14120
AS197722 Electrovideo Utrera S.A.	Los Palacios y Villafraña	Spain	46.234.134.200	Andalusia	41720
AS8334 2COM Co Ltd.	Moscow	Russia	46.188.24.168	Moscow	102128
AS15895 Kyivstar PJSC	Kharkiv	Ukraine	46.185.110.120	Kharkivs'ka Oblast'	61145

AS51935 Blue Lake Communications Oy	Savonlinna	Finland	46.163.225.178	Southern Savonia	57210
AS13036 T-Mobile Czech Republic a.s.	Šlapanice	Czechia	46.13.59.30	South Moravian	664 51
AS35244 Kabelfernsehen Muenchen ServiCenter GmbH & Co.KG	Leipzig	Germany	46.128.64.156	Saxony	04329
AS12578 SIA Lattelecom	Riga	Latvia	46.109.1.71	Riga	
AS16276 OVH SAS	Gravelines	France	46.105.38.193	Nord-Pas-de-Calais	
AS34533 JSC ER-Telecom Holding	Samara	Russia	46.0.196.182	Samarskaya Oblast'	404146
AS14061 DigitalOcean, LLC	Clifton	United States	45.55.53.151	New Jersey	07014
AS14061 DigitalOcean, LLC	Clifton	United States	45.55.129.7	New Jersey	07014
AS46261 QuickPacket, LLC	Charlotte	United States	45.43.192.13	North Carolina	28202
AS40676 Psychz Networks	Dallas	United States	45.35.211.97	Texas	75247
AS4134 No.31,Jin-rong Street	Hangzhou	China	45.250.43.57	Zhejiang	
AS9829 National Internet Backbone	New Delhi	India	45.249.147.193	National Capital Territory of Delhi	
AS37199 VANILLA	Cape Town (Cape Town City Centre)	South Africa	45.221.173.130	Western Cape	
AS36925 Orange Maroc	Casablanca	Morocco	45.219.81.222	Casablanca-Settat	
AS37353 MacroLAN	Johannesburg	South Africa	45.204.91.118	Gauteng	2000
AS62383 Lambrechts Data Services VOF	San Diego	United States	44.144.155.72	California	92111
AS58438 ApnaTeleLink pvt. Ltd.	Shahkot	India	43.246.245.133	Punjab	144702
AS17665 AS Number of In2cable.com (India) Ltd.	Ahmedabad	India	43.243.37.176	Gujarat	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	42.6.187.68	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Panjin	China	42.56.117.23	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	42.4.178.87	Liaoning	
AS4134 No.31,Jin-rong Street	Dandong	China	42.249.221.47	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Zhengzhou	China	42.229.198.193	Henan	
AS4837 CHINA UNICOM China169 Backbone	Lingcheng	China	42.177.104.202	Shandong	
AS37315 CipherWave Storage Solutions (Pty) Ltd	Cape Town	South Africa	41.87.197.223	Western Cape	8001
AS30969 Zimbabwe Online (Private) Ltd.	Harare	Zimbabwe	41.79.30.193	Harare	
AS30844 Liquid Telecommunications Ltd	Harare	Zimbabwe	41.60.205.27	Harare	
AS8452 TE-AS	Cairo	Egypt	41.35.59.132	Cairo Governorate	
AS36903 MT-MPLS	Casablanca	Morocco	41.251.185.217	Casablanca-Settat	

AS5713 SAIX-NET	Johannesburg	South Africa	41.246.83.1	Gauteng	2000
AS37187 SKYBAND	Blantyre (Mount Pleasant)	Malawi	41.217.219.114	Southern Region	
AS36943 webafrica	Benoni	South Africa	41.185.20.203	Gauteng	1501
AS29091 IPNXng	Lagos	Nigeria	41.184.168.109	Lagos	
AS7029 Windstream Communications LLC	Lexington	United States	40.135.102.129	Kentucky	40511
AS7029 Windstream Communications LLC	Milwaukee	United States	40.132.183.26	Wisconsin	53201
AS7029 Windstream Communications LLC	Wallingford	United States	40.129.232.17	Connecticut	06492
AS4837 CHINA UNICOM China169 Backbone	Jinan	China	39.83.99.3	Shandong	
AS54614 CIK Telecom INC	Toronto	Canada	38.88.101.81	Ontario	M2H
AS174 Cogent Communications	Albuquerque	United States	38.64.58.52	New Mexico	87109
AS393857 Premier Satellite	Memphis	United States	38.29.148.190	Tennessee	38103
AS395111 KVCHOSTING.COM LLC	Austin	United States	38.21.51.61	Texas	78735
AS395111 KVCHOSTING.COM LLC	Clinton	United States	38.131.150.219	Oklahoma	73601
AS395111 KVCHOSTING.COM LLC	New York	United States	38.131.146.4	New York	10013
AS31167 Axione S.a.s.	Saint-Georges-d'Oleron	France	37.72.228.55	Nouvelle-Aquitaine	17190
AS12714 Net By Net Holding LLC	Cheboksary	Russia	37.232.132.228	Chuvashia	428023
AS6830 Liberty Global Operations B.V.	Münster	Germany	37.201.144.104	North Rhine-Westphalia	48147
AS6830 Liberty Global Operations B.V.	Frankfurt am Main	Germany	37.201.101.93	Hesse	60318
AS16276 OVH SAS	Vallon-Pont-d'Arc	France	37.187.61.202	Auvergne-Rhone-Alpes	07150
AS9198 JSC Kazakhtelecom	Ust-Kamenogorsk	Kazakhstan	37.150.156.62	East Kazakhstan	
AS3216 PVimpelCom	Kaliningrad	Russia	37.146.232.218	Kaliningradskaya Oblast'	
AS12715 Orange Espagne S.A.U.	Barcelona	Spain	37.133.242.178	Catalonia	08001
AS12715 Orange Espagne S.A.U.	Barcelona	Spain	37.133.149.199	Catalonia	08042
AS12715 Orange Espagne S.A.U.	Cordova	Spain	37.132.109.53	Andalusia	14005
AS41661 JSC ER-Telecom Holding	Chelyabinsk	Russia	37.113.142.103	Chelyabinsk	454010
AS4134 No.31,Jin-rong Street	Hefei	China	36.57.64.225	Anhui	
AS4134 No.31,Jin-rong Street	Xi'an	China	36.43.0.52	Shaanxi	
AS4134 No.31,Jin-rong Street	Xi'an	China	36.41.26.12	Shaanxi	
AS4134 No.31,Jin-rong Street	Xi'an	China	36.41.25.184	Shaanxi	
AS17962 ShenZhen Topway Video Communication Co. Ltd	Shenzhen	China	36.36.179.6	Guangdong	

AS237 Merit Network Inc.	Allendale	United States	35.39.227.214	Michigan	49401
AS15169 Google LLC	Mountain View	United States	35.231.106.232	California	94043
AS15169 Google LLC	Mountain View	United States	35.226.134.38	California	94043
AS15169 Google LLC	Mountain View	United States	35.195.236.125	California	94043
AS15169 Google LLC	Mountain View	United States	35.193.171.170	California	94043
AS46690 Southern New England Telephone Company and SNET America, Inc.	Norwich	United States	32.211.132.75	Connecticut	06360
AS46690 Southern New England Telephone Company and SNET America, Inc.	Hartford	United States	32.210.105.254	Connecticut	06106
AS12430 Vodafone Spain	Madrid	Spain	31.4.39.238	Madrid	
AS15425 COMA s.r.o.	Vysoke Myto	Czechia	31.28.134.135	Pardubicky kraj	566 01
AS15395 Rackspace Ltd.	London	United Kingdom	31.222.128.177	England	
AS44611 Talk Internet Limited	Hendon	United Kingdom	31.192.99.245	England	NW4
AS25535 Autonomous Non-commercial Organization Regional Network Information Center	Khoroshëvskaya	Russia	31.177.95.110	Rostov	
AS20473 Choopa, LLC	Moscow	Russia	31.129.36.205	Moscow	102128
AS55448 GlobalLogic India Ltd.	Nagpur	India	27.50.5.187	Maharashtra	440022
AS17917 Quadrant Televentures Limited	Chandigarh	India	27.255.216.85	Chandigarh	160014
AS4837 CHINA UNICOM China169 Backbone	Qingdao	China	27.219.183.202	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Binzhou	China	27.209.83.111	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Chongqing	China	27.10.67.184	Chongqing	
AS7922 Comcast Cable Communications, LLC	Pueblo	United States	24.9.247.184	Colorado	81003
AS7922 Comcast Cable Communications, LLC	Aurora	United States	24.8.5.162	Colorado	80017
AS11427 Time Warner Cable Internet LLC	Smithville	United States	24.31.254.139	Missouri	64089
AS10796 Time Warner Cable Internet LLC	Miamisburg	United States	24.29.10.134	Ohio	45342
AS7992 Cogeco Cable	Peterborough	Canada	24.235.213.216	Ontario	K9J
AS7922 Comcast Cable Communications, LLC	Portland	United States	24.21.201.118	Oregon	97217
AS7922 Comcast Cable Communications, LLC	Forest Grove	United States	24.21.122.245	Oregon	97116
AS10796 Time Warner Cable Internet LLC	Wapakoneta	United States	24.208.170.240	Ohio	45895

AS20115 Charter Communications	Atascadero	United States	24.205.234.94	California	93422
AS7922 Comcast Cable Communications, LLC	Salt Lake City	United States	24.2.77.113	Utah	84118
AS11351 Time Warner Cable Internet LLC	Rensselaer	United States	24.194.189.73	New York	12144
AS20115 Charter Communications	Porterville	United States	24.176.171.206	California	93257
AS11427 Time Warner Cable Internet LLC	El Paso	United States	24.162.209.170	Texas	79907
AS20115 Charter Communications	Plattsburgh	United States	24.151.9.140	New York	12901
AS32233 PERSONA COMMUNICATIONS INC.	Grande Prairie	Canada	24.142.14.128	Alberta	T8V
AS7922 Comcast Cable Communications, LLC	Oakland	United States	24.130.169.37	California	94611
AS7922 Comcast Cable Communications, LLC	Ann Arbor	United States	24.127.103.36	Michigan	48105
AS11492 Cable One, Inc.	Meridian	United States	24.116.119.233	Idaho	83680
AS6327 Shaw Communications Inc.	Powell River	Canada	24.108.249.88	British Columbia	V8A
AS12271 Time Warner Cable Internet LLC	Middle Village	United States	24.104.233.3	New York	11379
AS9500 Vodafone NZ Ltd.	Cambridge	United States	23.73.99.152	Massachusetts	02142
AS3215 Orange	Amsterdam (Amsterdam-Zuidoost)	Netherlands	23.62.151.99	North Holland	
AS14420 CORPORACION NACIONAL DE TELECOMUNICACIONES - CNT EP	Cambridge (Mit)	United States	23.47.69.35	Massachusetts	
AS16625 Akamai Technologies, Inc.	Cambridge	United States	23.4.24.203	Massachusetts	02142
AS7922 Comcast Cable Communications, LLC	North Reading	United States	23.30.151.142	Massachusetts	01864
AS18779 EGIHosting	San Jose	United States	23.27.31.4	California	95113
AS18779 EGIHosting	San Jose	United States	23.27.109.119	California	95113
AS2860 Nos Comunicacoes, S.A.	Amsterdam	Netherlands	23.222.231.10	North Holland	1091
AS20940 Akamai International B.V.	Cambridge	United States	23.220.207.218	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Cambridge	United States	23.212.17.152	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	23.206.235.176	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	23.206.130.127	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	23.205.1.147	Massachusetts	02142

AS16625 Akamai Technologies, Inc.	Cambridge	United States	23.196.139.118	Massachusetts	02142
AS15003 Nobis Technology Group, LLC	Phoenix	United States	23.110.19.207	Arizona	85054
AS15003 Nobis Technology Group, LLC	Phoenix	United States	23.107.177.106	Arizona	85054
AS15003 Nobis Technology Group, LLC	Phoenix	United States	23.107.125.19	Arizona	85054
AS15003 Nobis Technology Group, LLC	Henderson	United States	23.104.153.42	Nevada	89074
AS24444 Shandong Mobile Communication Company Limited	Qingdao	China	223.78.164.42	Shandong	
AS4134 No.31,Jin-rong Street	Hefei	China	223.243.59.112	Anhui	
AS4134 No.31,Jin-rong Street	Xiangtan	China	223.156.98.154	Hunan	
AS4134 No.31,Jin-rong Street	Taiyuan	China	223.15.79.132	Shanxi	
AS4134 No.31,Jin-rong Street	Taiyuan	China	223.14.243.220	Shanxi	
AS4766 Korea Telecom	Daegu	Republic of Korea	222.104.167.160	Daegu	
AS4808 China Unicom Beijing Province Network	Beijing	China	221.218.175.203	Beijing	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	221.203.237.75	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Handan	China	221.193.190.183	Hebei	
AS4134 No.31,Jin-rong Street	Shijiazhuang	China	219.148.54.166	Hebei	
AS4134 No.31,Jin-rong Street	Jiangyin	China	218.90.28.177	Jiangsu	
AS4837 CHINA UNICOM China169 Backbone	Harbin	China	218.9.49.201	Heilongjiang	
AS4837 CHINA UNICOM China169 Backbone	Harbin	China	218.9.119.86	Heilongjiang	
AS4134 No.31,Jin-rong Street	Kunming	China	218.63.36.28	Yunnan	
AS9318 SK Broadband Co Ltd	Seoul (Hoehyeon-dong)	Republic of Korea	218.52.49.75	Seoul	
AS9318 SK Broadband Co Ltd	Yangyang	Republic of Korea	218.49.139.221	Gangwon-do	
AS4134 No.31,Jin-rong Street	Nanjing	China	218.2.138.75	Jiangsu	
AS3462 Data Communication Business Group	Zhongzheng Qu	Taiwan	218.160.105.206	Taiwan	
AS3320 Deutsche Telekom AG	Thale	Germany	217.93.96.201	Saxony-Anhalt	06502
AS29617 Energy Water Bern	Bern	Switzerland	217.78.118.196	Bern	3004
AS44134 Bolignet A/S	Vanlose	Denmark	217.71.7.128	Capital Region	2720
AS3269 Telecom Italia	Presezzo	Italy	217.58.101.121	Lombardy	24030
AS6805 Telefonica Germany	Frankfurt am Main	Germany	217.51.0.199	Hesse	60316
AS41943 Vaddo Media Information IS AB	Haegersten	Sweden	217.25.32.180	Stockholm	126 50

AS3320 Deutsche Telekom AG	Rees	Germany	217.228.68.190	North Rhine-Westphalia	46459
AS8758 Iway AG	Zurich	Switzerland	217.22.140.119	Zurich	8037
AS16276 OVH SAS	Roubaix	France	217.182.88.179	Nord-Pas-de-Calais	
AS20519 PJSC Rostelecom	Kaliningrad	Russia	217.168.65.14	Kaliningradskaya Oblast'	
AS13070 SIA Electronic Solutions	Riga	Latvia	217.145.223.48	Riga	
AS3269 Telecom Italia	Milan	Italy	217.141.25.65	Lombardy	20126
AS15623 Cyberlink AG	Wurenlos	Switzerland	217.14.72.240	Aargau	5436
AS9143 Ziggo	Raalte	Netherlands	217.121.49.129	Provincie Overijssel	8101
AS12302 Vodafone Romania S.A.	Bucharest	Romania	217.10.210.19	Bucuresti	050019
AS7859 pair Networks	Pittsburgh	United States	216.92.94.32	Pennsylvania	15203
AS46231 Omnicity, Inc.	Uniondale	United States	216.23.250.200	Indiana	46791
AS6939 Hurricane Electric, Inc.	San Diego	United States	216.218.134.154	California	92115
AS33247 COASTAL TELCO SERVICES, INC.	Union	United States	216.21.206.28	Maine	04862
AS577 Bell Canada	Niagara Falls	Canada	216.209.126.133	Ontario	
AS8175 High Speed Web/Genesis 2 Networks	Rock Hill	United States	216.189.47.211	South Carolina	29730
AS13693 NTS Communications	Justiceburg	United States	216.167.146.25	Texas	79330
AS6079 RCN	Nazareth	United States	216.164.18.119	Pennsylvania	18064
AS394059 Consolidated Data Services	Irving	United States	216.158.186.219	Texas	75063
AS39651 Com Hem AB	Örnsköldsvik	Sweden	213.89.55.169	Västernorrland	891 04
AS8220 COLT Technology Services Group Limited	Milan	Italy	213.61.205.194	Lombardy	20128
AS9186 Infocomunicacoes, S.A.	Lisbon	Portugal	213.58.181.146	Lisbon	
AS5432 Proximus NV	Liège	Belgium	213.49.87.201	Wallonia	4000
AS3303 Swisscom (Switzerland) Ltd	Zurich (Zürich (Kreis 3) / Alt-Wiedikon)	Switzerland	213.200.222.61	Zurich	
AS31283 IP-Only Networks AS	Oslo	Norway	213.166.171.214	Oslo County	0001
AS28851 Fortech s.r.o.	Litomyšl	Czechia	213.155.39.182	Pardubický kraj	570 01
AS42087 MTS PJSC	Noril'sk	Russia	213.128.16.157	Krasnoyarskiy Kray	663340
AS6848 Telenet BVBA	Kortrijk	Belgium	213.118.231.182	Flanders	8500
AS15366 DNS:NET Internet Service GmbH	Berlin	Germany	212.91.232.101	Land Berlin	10179
AS198382 Teledata UK Limited	Congleton	United Kingdom	212.84.85.164	England	
AS9150 ML Consultancy	Boxtel	Netherlands	212.83.193.177	North Brabant	5283
AS34010 Yahoo! UK Services Limited	London	United Kingdom	212.82.96.242	England	
AS24875 NovoServe B.V.	Doetinchem	Netherlands	212.79.238.89	Provincie Gelderland	
AS15691 Leonet srl	Novellara	Italy	212.77.76.12	Emilia-Romagna	42017

AS42652 inexo Informationstechnologie und Telekommunikation Gmbh	Kaiserslautern	Germany	212.43.75.52	Rheinland-Pfalz	67661
AS2529 Now maintained by Cable & Wireless Worldwide	London	United Kingdom	212.240.5.34	England	
AS8400 TELEKOM SRBIJA a.d.	Belgrade	Serbia	212.200.230.235	Belgrade	
AS3356 Level 3 Communications, Inc.	London	United Kingdom	212.187.164.121	England	EC2V
AS6876 TeNeT Scientific Production Enterprise LLC	Odesa	Ukraine	212.178.1.226	Odessa	65007
AS49632 Datatelekom Telekomunikasyon Hiz. Dis Tic. Ltd. Sti.	Istanbul	Turkey	212.146.254.204	Istanbul	
AS4837 CHINA UNICOM China169 Backbone	Shijiazhuang	China	211.90.39.252	Hebei	
AS9762 HYUNDAI COMMUNICATIONS & NETWORK	Seoul	Republic of Korea	211.41.205.54	Seoul	
AS4788 TM Net, Internet Service Provider	Kota Kinabalu	Malaysia	210.195.228.193	Sabah	88300
AS4943 Networks On-Line	Houston	United States	209.94.235.35	Texas	77080
AS7029 Windstream Communications LLC	Freedom	United States	209.252.235.180	Pennsylvania	
AS393398 Dallas Infrastructure Services, LLC	Dallas	United States	209.236.120.212	Texas	75247
AS577 Bell Canada	Québec	Canada	209.226.149.81	Quebec	G1L
AS20473 Choopa, LLC	Piscataway	United States	209.222.17.21	New Jersey	08854
AS2828 MCI Communications Services, Inc. d/b/a Verizon Business	New York	United States	209.220.97.56	New York	10118
AS2828 MCI Communications Services, Inc. d/b/a Verizon Business	Bolingbrook	United States	209.220.64.177	Illinois	60440
AS10397 SinglePipe LLC	Lexington	United States	209.209.167.197	Kentucky	40507
AS32479 OPENBAND MULTIMEDIA, LLC	Ashburn	United States	209.0.138.80	Virginia	20148
AS55140 Sho Me Technologies, LLC	Kennett	United States	208.74.185.1	Missouri	63857
AS40028 1651884 Ontario Inc.	Scarborough	Canada	208.68.89.254	Ontario	M1E
AS11303 MCI Communications Services, Inc. d/b/a Verizon Business	Dallas	United States	208.39.64.37	Texas	
AS7296 Alchemy Communications, Inc.	Los Angeles	United States	208.118.59.73	California	90017
AS16582 NEXT LEVEL INTERNET, INC.	San Diego	United States	207.7.98.6	California	92150
AS16717 Craw-Kan Telephone Coop. Inc.	Girard	United States	207.254.171.177	Kansas	66743

AS3549 Level 3 Communications, Inc.	Brown Deer	United States	207.250.161.140	Wisconsin	
AS209 Qwest Communications Company, LLC	Saint Joseph	United States	207.119.124.241	Missouri	64506
AS209 Qwest Communications Company, LLC	Gig Harbor	United States	207.118.73.216	Washington	98332
AS7122 MTS Inc.	Winnipeg	Canada	206.45.56.56	Manitoba	R3K
AS53508 Cablelynx	Traskwood	United States	206.255.196.17	Arkansas	72167
AS21949 Beanfield Technologies Inc.	Toronto	Canada	206.223.189.9	Ontario	M5T
AS54713 CAMC Health System, Inc.	Charleston	United States	206.193.75.108	West Virginia	25301
AS852 TELUS Communications Inc.	Vancouver	Canada	206.116.163.1	British Columbia	V6H
AS17 Purdue University	Hammond	United States	205.215.76.83	Indiana	46323
AS2381 WiscNet	Ashland	United States	205.213.73.149	Wisconsin	54806
AS31815 Media Temple, Inc.	Culver City	United States	205.186.183.194	California	90232
AS31815 Media Temple, Inc.	Culver City	United States	205.186.162.70	California	90232
AS30165 Dalton Utilities	Dalton	United States	205.144.219.41	Georgia	30721
AS36850 University of North Carolina at Chapel Hill	Durham	United States	204.84.255.29	North Carolina	27709
AS174 Cogent Communications	Denver	United States	204.45.215.229	Colorado	80202
AS32562 Slacker Inc.	San Diego County (Rancho Bernardo)	United States	204.239.15.55	California	
AS2920 Los Angeles County Office of Education	Los Angeles	United States	204.102.15.163	California	90009
AS4515 PCCW IMSBiz	City of Victoria	Hong Kong	203.198.212.109	Central and Western District	
AS9584 Diyixian.com Limited	Cha Kwo Ling Tsuen (Kwun Tong)	Hong Kong	202.66.133.253	Kwun Tong	
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	201.93.203.219	Sao Paulo	
AS22047 VTR BANDA ANCHA S.A.	Osorno	Chile	201.215.245.155	Los Lagos	
AS22047 VTR BANDA ANCHA S.A.	Santiago	Chile	201.215.170.185	Santiago Metropolitan	
	Mexico City	Mexico	201.153.141.156	Mexico City	63000
AS8167 Brasil Telecom S/A - Filial Distrito Federal	Curitiba	Brazil	201.15.218.187	Parana	
AS61846 Blankenburg Comunicações Ltda	Caxias do Sul	Brazil	201.148.246.29	Rio Grande do Sul	
AS8151 Uninet S.A. de C.V.	Cuautitlán Izcalli	Mexico	201.145.5.169	Estado de Mexico	54740
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	201.13.25.56	Sao Paulo	
AS8151 Uninet S.A. de C.V.	Veracruz	Mexico	201.123.119.87	Veracruz	91709
AS8048 CANTV Servicios, Venezuela	Valencia	Venezuela	200.90.65.128	Carabobo	

AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	200.75.65.70	Antioquia	050001
AS19373 Triara.com, S.A. de C.V.	Apodaca	Mexico	200.57.178.28	Nuevo León	66603
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	200.30.78.174	Antioquia	050001
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	200.204.214.193	Sao Paulo	
AS10481 Prima S.A.	Buenos Aires	Argentina	200.126.216.80	Buenos Aires F.D.	34034
AS2715 Fundação Carlos Chagas Filho de Amparo a Pesquisa	Seropedica	Brazil	200.11.6.109	Rio de Janeiro	
AS12389 PJSC Rostelecom	Omsk	Russia	2.60.136.35	Omskaya Oblast'	644000
AS12874 Fastweb	Genoa	Italy	2.230.96.171	Liguria	16143
AS1273 CW Vodafone Group PLC	London	United Kingdom	2.23.213.175	England	
AS5607 Sky UK Limited	Birmingham	United Kingdom	2.222.144.34	England	B15
AS20940 Akamai International B.V.	Frankfurt am Main	Germany	2.22.10.58	Hesse	
AS5607 Sky UK Limited	Liverpool	United Kingdom	2.217.135.65	England	L3
AS3209 Vodafone GmbH	Sinsheim	Germany	2.206.179.249	Baden-Württemberg Region	74889
AS3209 Vodafone GmbH	Münster	Germany	2.204.89.170	North Rhine-Westphalia	48157
AS3209 Vodafone GmbH	Essen	Germany	2.203.42.106	North Rhine-Westphalia	45472
AS3352 Telefonica De Espana	Antequera	Spain	2.139.137.160	Andalusia	29200
AS3352 Telefonica De Espana	Granada	Spain	2.138.47.162	Andalusia	18008
AS3352 Telefonica De Espana	Maspalomas	Spain	2.138.186.202	Canary Islands	35100
AS9198 JSC Kazakhtelecom	Almaty	Kazakhstan	2.132.117.42	Almaty Qalasy	
AS5607 Sky UK Limited	Milton Keynes	United Kingdom	2.125.112.160	England	MK7
AS5607 Sky UK Limited	Bournemouth	United Kingdom	2.124.45.39	England	BH2
AS5607 Sky UK Limited	Taunton	United Kingdom	2.124.243.102	England	TA1
AS5607 Sky UK Limited	Wallsend	United Kingdom	2.123.150.119	England	NE28
AS5607 Sky UK Limited	Manchester	United Kingdom	2.121.115.226	England	M40
AS5607 Sky UK Limited	Rotherham	United Kingdom	2.120.83.125	England	S65
AS53536 Prinetime Internet Solutions, LLC	Prineville	United States	199.7.133.129	Oregon	97754
AS33260 Miva Merchant, Inc.	Tampa	United States	199.48.239.178	Florida	
AS20338 My Telepath, Inc	Duluth	United States	199.189.213.118	Minnesota	55803
AS18978 Enzu Inc	Los Angeles	United States	198.98.97.201	California	90017

AS7029 Windstream Communications LLC	Fayetteville	United States	198.90.101.164	Arkansas	72701
AS18978 Enzu Inc	Los Angeles	United States	198.56.237.1	California	90009
AS25973 PacketExchange, Inc	McLean	United States	198.47.99.175	Virginia	22102
AS30036 Mediacom Communications Corp	Des Moines	United States	198.40.226.117	Iowa	50339
AS11351 Time Warner Cable Internet LLC	Syracuse	United States	198.255.166.199	New York	13202
AS36352 ColoCrossing	Buffalo	United States	198.23.230.181	New York	14202
AS3741 IS	Leeudoringstad	South Africa	197.96.115.55	Province of North West	2640
AS11845 Vox-Telecom	Musina	South Africa	197.245.91.40	Limpopo	0900
AS37342 MOVITEL	Perth	Australia	197.219.127.126	Western Australia	6000
AS24863 LINKdotNET	Cairo	Egypt	197.167.106.9	Cairo Governorate	
AS24835 RAYA Telecom - Egypt	Cairo	Egypt	197.133.162.106	Muhafazat al Qahirah	
AS24835 RAYA Telecom - Egypt	Cairo	Egypt	197.133.100.107	Cairo Governorate	
AS6713 Itissalat Al-MAGHRIB	Agadir	Morocco	196.80.17.134	Souss-Massa	
AS29152 DECKNET	Puteaux	France	195.80.157.24	Île-de-France	
AS3269 Telecom Italia	Milan	Italy	195.31.34.124	Lombardy	20128
AS5413 Daisy Communications Ltd	Reading (Transcentral Bennet Road)	United Kingdom	195.147.172.196	England	
AS8402 VimpelCom	Moscow	Russia	195.14.38.2	Moscow	102128
AS8462 Tarr Kft.	Szekszárd	Hungary	195.128.232.83	Tolna megye	7100
AS5573 PJSC Rostelecom	Krasnoyarsk	Russia	195.112.246.83	Krasnoyarskiy Kray	660000
AS3320 Deutsche Telekom AG	Fulda (Neuenberg)	Germany	194.25.105.65	Hesse	
AS3352 Telefonica De Espana	Seville	Spain	194.224.160.3	Andalusia	
AS3269 Telecom Italia	Ciampino	Italy	194.184.169.134	Latium	00043
AS3301 Telia Company AB	Stockholm	Sweden	194.18.85.114	Stockholm	173 11
AS2607 Zdruzenie pouzivatelov Slovenskej akademickej datovej siete	Bratislava	Slovakia	194.160.70.174	Bratislava	811 01
AS6830 Liberty Global Operations B.V.	Cluj-Napoca	Romania	194.105.29.251	Judetul Cluj	400001
AS790 Elisa Oyj	Helsinki	Finland	193.64.194.154	Uusimaa	00500
AS3344 Burstfire Networks Ltd	Aldershot	United Kingdom	193.138.95.161	England	
AS24909 TimoCom Soft- und Hardware GmbH	Erkrath	Germany	193.111.167.68	North Rhine-Westphalia	40699
AS8890 University of Warsaw	Warsaw	Poland	193.0.88.30	Mazovia	00-202
AS1103 SURFnet bv	Utrecht (Oost)	Netherlands	192.87.59.107	Utrecht	
	Bothell	United States	192.242.188.106	Washington	98041
AS14061 DigitalOcean, LLC	San Francisco	United States	192.241.223.61	California	94124
AS15003 Nobis Technology Group, LLC	Thousand Oaks	United States	192.238.242.52	California	91362

AS26496 GoDaddy.com, LLC	Scottsdale	United States	192.186.247.66	Arizona	85260
AS46975 BigTip, Inc.	Seattle	United States	192.126.201.171	Washington	98112
AS7738 Telemar Norte Leste S.A.	Salvador	Brazil	191.44.9.33	Bahia	
AS28343 TPA TELECOMUNICACOES LTDA	Pomerode	Brazil	191.253.101.50	Santa Catarina	
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	191.23.86.43	Sao Paulo	
AS6147 Telefonica del Peru S.A.A.	Lima	Peru	190.40.190.72	Lima	
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	190.249.191.151	Antioquia	050001
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	190.240.44.60	Antioquia	050001
AS52346 Diveo Argentina	Buenos Aires	Argentina	190.2.247.33	Buenos Aires F.D.	34034
AS8163 Metrotel SA ESP	Barranquilla	Colombia	190.182.24.16	Atlántico	080001
AS10620 Telmex Colombia S.A.	Medellín	Colombia	190.159.88.65	Antioquia	050001
AS10620 Telmex Colombia S.A.	Bogotá	Colombia	190.156.214.186	Bogota D.C.	110221
AS7738 Telemar Norte Leste S.A.	Nilopolis	Brazil	189.71.20.176	Rio de Janeiro	
AS4230 CLARO S.A.	Linhares	Brazil	189.43.117.99	Espirito Santo	
	Naucalpan	Mexico	189.245.58.120	Estado de Mexico	53370
AS8151 Uninet S.A. de C.V.	Adolfo Lopez Mateos	Mexico	189.241.144.114	Estado de Mexico	52920
AS8151 Uninet S.A. de C.V.	Manzanillo	Mexico	189.229.137.56	Colima	28218
AS8151 Uninet S.A. de C.V.	Ciudad Guzmán	Mexico	189.229.10.141	Jalisco	
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.225.234.35	Mexico City	63000
AS6503 Axtel, S.A.B. de C.V.	Mexico City	Mexico	189.211.127.153	Mexico City	63000
AS17072 TOTAL PLAY TELECOMUNICACIONES SA DE CV	Cancún	Mexico	189.203.137.112	Quintana Roo	77500
AS265575 Tecnologías Avanzadas S. de R.L. de C.V.	Tijuana	Mexico	189.201.241.28	Estado de Baja California	22703
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.191.31.220	Mexico City	55090
AS8151 Uninet S.A. de C.V.	Ecatepec de Morelos	Mexico	189.191.192.116	Estado de Mexico	55020
AS8151 Uninet S.A. de C.V.	Puebla City	Mexico	189.190.49.208	Puebla	72210
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.188.24.84	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Mazatlán	Mexico	189.186.242.121	Sinaloa	82020
AS8151 Uninet S.A. de C.V.	Querétaro City	Mexico	189.180.179.202	Querétaro	76120
AS8151 Uninet S.A. de C.V.	Guaymas	Mexico	189.176.123.212	Sonora	85444
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.171.144.251	Mexico City	57000
AS8151 Uninet S.A. de C.V.	Puebla City	Mexico	189.165.221.170	Puebla	72270
AS8151 Uninet S.A. de C.V.	San Matías Tlalancaleca	Mexico	189.164.1.235	Puebla	74110

AS8151 Uninet S.A. de C.V.	Monterrey	Mexico	189.153.114.123	Nuevo León	64720
AS8151 Uninet S.A. de C.V.	Acapulco de Juárez	Mexico	189.143.75.52	Guerrero	39715
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.136.74.6	Mexico City	63000
AS44611 Talk Internet Limited	Lowton	United Kingdom	188.94.16.19	England	WA3
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Viseu	Portugal	188.82.12.222	Viseu	3500-001
AS12715 Orange Espagne S.A.U.	Valencia	Spain	188.79.63.103	Valencia	46019
AS12715 Orange Espagne S.A.U.	Seville	Spain	188.78.163.212	Andalusia	41006
AS3303 Swisscom (Switzerland) Ltd	Buchrain	Switzerland	188.62.227.18	Lucerne	6033
AS3303 Swisscom (Switzerland) Ltd	Zurich	Switzerland	188.60.186.52	Zurich	8037
AS8708 RCS & RDS	Bucharest	Romania	188.26.233.218	Bucuresti	050019
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Castelo de Vide	Portugal	188.250.96.136	Portalegre	7320-101
AS59713 JSC ER-Telecom Holding	Kursk	Russia	188.232.77.58	Kurskaya Oblast'	305023
AS3292 Tele Danmark	Copenhagen	Denmark	188.183.166.85	Capital Region	1513
AS43567 UG-TELECOM Ltd.	Serpukhov	Russia	188.164.169.194	Moscow Oblast	142204
AS3269 Telecom Italia	Mantova	Italy	188.15.73.241	Lombardy	46100
AS49565 Eircom Wireless Telecom, S.A.	Barcelona	Spain	188.119.237.141	Catalonia	
AS3209 Vodafone GmbH	Frankfurt am Main	Germany	188.111.81.46	Hesse	
AS3209 Vodafone GmbH	Stuttgart	Germany	188.105.142.149	Baden-Württemberg Region	70173
AS3209 Vodafone GmbH	Spiesen-Elversberg	Germany	188.104.63.250	Saarland	66583
AS3209 Vodafone GmbH	Duisburg	Germany	188.101.201.96	North Rhine-Westphalia	47138
AS8151 Uninet S.A. de C.V.	Aguascalientes	Mexico	187.232.139.106	Aguascalientes	20000
AS8151 Uninet S.A. de C.V.	Toluca	Mexico	187.227.117.30	Estado de Mexico	50071
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.225.143.172	Mexico City	01020
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.223.206.162	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.220.166.41	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Tepatlán de Morelos	Mexico	187.212.133.33	Jalisco	47600
AS8151 Uninet S.A. de C.V.	Cuautitlán Izcalli	Mexico	187.208.52.52	Estado de Mexico	54740
AS8151 Uninet S.A. de C.V.	Ciudad de Villa de Alvarez	Mexico	187.204.169.26	Colima	28020
AS8151 Uninet S.A. de C.V.	Zapopan	Mexico	187.201.14.149	Jalisco	45136
AS8151 Uninet S.A. de C.V.	San Luis Potosí City	Mexico	187.192.113.1	San Luis Potosí	78310
AS28573 CLARO S.A.	Cuiabá	Brazil	187.183.156.68	Mato Grosso	
AS8151 Uninet S.A. de C.V.	Tuxtla Gutiérrez	Mexico	187.171.93.182	Chiapas	29060

AS8151 Uninet S.A. de C.V.	Tuxtla Gutiérrez	Mexico	187.171.200.174	Chiapas	29060
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.168.230.216	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Orizaba	Mexico	187.146.163.200	Veracruz	94320
AS8151 Uninet S.A. de C.V.	Mexico City (Zapote I II y III)	Mexico	187.143.49.153	Mexico City	
AS8151 Uninet S.A. de C.V.	Uruapan	Mexico	187.142.180.166	Michoacán	
AS8151 Uninet S.A. de C.V.	Momax	Mexico	187.133.21.154	Zacatecas	99720
AS28241 Viaceu Internet Ltda	Divinópolis	Brazil	187.0.190.54	Minas Gerais	35500
AS10620 Telmex Colombia S.A.	Bogotá	Colombia	186.84.129.79	Bogota D.C.	110221
AS10620 Telmex Colombia S.A.	Pereira	Colombia	186.80.199.155	Departamento de Risaralda	660004
AS14522 Satnet	Guayaquil	Ecuador	186.66.22.155	Provincia del Guayas	
AS6400 Compañía Dominicana de Teléfonos, C. por A. - CODETEL	Santo Domingo	Dominican Republic	186.6.202.244	Nacional	10206
AS6057 Administracion Nacional de Telecomunicaciones	Montevideo	Uruguay	186.48.165.82	Departamento de Montevideo	11700
AS10299 EMPRESAS MUNICIPALES DE CALI E.I.C.E. E.S.P.	Santiago de Cali	Colombia	186.27.241.210	Departamento del Valle del Cauca	760002
AS10299 EMPRESAS MUNICIPALES DE CALI E.I.C.E. E.S.P.	Santiago de Cali	Colombia	186.27.151.158	Departamento del Valle del Cauca	760001
AS28276 Mikrocenter Informática Ltda.	Mossoro	Brazil	186.249.97.155	Rio Grande do Norte	
AS26615 Tim Celular S.A.	Rio de Janeiro	Brazil	186.228.96.115	Rio de Janeiro	
AS3816 COLOMBIA TELECOMUNICACIONES S.A. ESP	Bogotá (Teusaquillo)	Colombia	186.170.199.193	Bogota D.C.	
AS52228 Cable Tica	San José	Costa Rica	186.159.175.164	Provincia de San Jose	34020
AS3816 COLOMBIA TELECOMUNICACIONES S.A. ESP	Bogotá (Teusaquillo)	Colombia	186.115.89.228	Bogota D.C.	
AS41103 teleBIZZ Ltd	Plymouth	United Kingdom	185.91.102.126	England	PL3
AS42167 United Telecommunications LLC	Moscow (Vostochnyy administrativnyy okrug)	Russia	185.88.8.112	Moscow	
AS196968 Ilm-Provider UG (haftungsbeschraenkt)	Gossel	Germany	185.69.180.114	Thuringia	99338
AS29182 JSC ISPsystem	Irkutsk	Russia	185.60.132.185	Irkutskaya Oblast'	
AS199652 Telitec Connections S.L.	Teulada	Spain	185.6.5.197	Valencia	
AS30870 Trans-IX B.V.	Zeewolde	Netherlands	185.58.239.89	Provincie Flevoland	
AS202055 Qemat Al-Wasat Company	Basrah	Iraq	185.54.159.254	Basra	
AS51411 Toos-Ashena Pjsc	Mashhad	Iran	185.49.104.74	Razavi Khorasan	

AS200023 Qonnectd B.V.	Hardenberg	Netherlands	185.39.47.208	Provincie Overijssel	
	Paris	France	185.244.104.10	Île-de-France	
AS199645 integrate-it Netzwerke GmbH	Berlin	Germany	185.2.18.174	Land Berlin	13355
AS51167 Contabo GmbH	Munich (Ramersdorf-Perlach)	Germany	185.2.100.115	Bavaria	
AS201453 Nostravant S.l.l.	Castelló de la Plana	Spain	185.194.24.88	Valencia	12550
AS60764 TK-Telecom, OOO	Samara	Russia	185.174.194.156	Samarskaya Oblast'	443125
AS57140 Blu So Easy Sl	Javea	Spain	185.145.40.253	Valencia	03730
AS202521 Nexcess.net L.L.C.	Amsterdam	Netherlands	185.145.14.113	North Holland	
AS33363 BRIGHT HOUSE NETWORKS, LLC	Ormond Beach	United States	184.90.50.43	Florida	32174
AS20940 Akamai International B.V.	Cambridge	United States	184.85.129.215	Massachusetts	02142
AS1273 CW Vodafone Group PLC	Cambridge	United States	184.51.160.134	Massachusetts	02142
AS209 Qwest Communications Company, LLC	Eustace	United States	184.5.108.235	Texas	75124
AS7018 AT&T; Services, Inc.	Palm Beach Gardens	United States	184.32.207.188	Florida	33418
AS16625 Akamai Technologies, Inc.	Cambridge	United States	184.31.250.40	Massachusetts	02142
AS5650 Frontier Communications of America, Inc.	Wabash	United States	184.16.199.218	Indiana	46992
AS5650 Frontier Communications of America, Inc.	North Manchester	United States	184.16.179.3	Indiana	46962
AS6939 Hurricane Electric, Inc.	Milpitas	United States	184.105.142.45	California	95035
AS24572 Yahoo Japan	Akasaka	Japan	183.79.28.44	Aichi	
AS134772 CHINANET Guangdong province Dongguan MAN network	Dongguan	China	183.63.228.197	Guangdong	
AS9808 Guangdong Mobile Communication Co.Ltd.	Beijing (Xicheng Qu)	China	183.251.135.1	Beijing	
AS4837 CHINA UNICOM China169 Backbone	Datong	China	183.190.210.176	Shanxi	
AS4837 CHINA UNICOM China169 Backbone	Taiyuan	China	183.188.58.200	Shanxi	
AS4134 No.31,Jin-rong Street	Meicheng	China	183.159.83.242	Zhejiang	
AS4134 No.31,Jin-rong Street	Wenzhou	China	183.138.52.179	Zhejiang	
AS4134 No.31,Jin-rong Street	Wenzhou	China	183.138.207.83	Zhejiang	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	183.125.123.92	Gyeonggi-do	
AS9498 BHARTI Airtel Ltd.	Hyderabad	India	182.74.81.229	Telangana	
AS26496 GoDaddy.com, LLC	Singapore (Pioneer)	Singapore	182.50.154.83	Central Singapore	
AS59050 Beijing Cloud-Ark Technology Co.,Ltd.	Hangzhou	China	182.49.78.120	Zhejiang	

AS4837 CHINA UNICOM China169 Backbone	Pingdingshan	China	182.122.0.133	Henan	
AS4837 CHINA UNICOM China169 Backbone	Jiaozuo	China	182.118.176.124	Henan	
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	181.135.162.48	Antioquia	050001
AS23201 Telecel S.A.	Asunción	Paraguay	181.120.182.102	Asuncion	
AS4713 NTT Communications Corporation	Utsunomiya	Japan	180.58.137.232	Tochigi	320-0032
AS4134 No.31,Jin-rong Street	Rugao	China	180.120.1.77	Jiangsu	
AS4134 No.31,Jin-rong Street	Nanjing	China	180.119.162.183	Jiangsu	
AS6400 Compañía Dominicana de Teléfonos, C. por A. - CODETEL	Santo Domingo	Dominican Republic	179.53.50.53	Nacional	10206
AS26615 Tim Celular S.A.	São Paulo	Brazil	179.34.242.230	Sao Paulo	
AS6057 Administracion Nacional de Telecomunicaciones	Montevideo	Uruguay	179.27.66.73	Departamento de Montevideo	11700
AS28573 CLARO S.A.	Porto Velho	Brazil	179.155.254.41	Rondonia	
AS26599 TELEFÔNICA BRASIL S.A	Garca	Brazil	179.131.87.68	Sao Paulo	
AS6830 Liberty Global Operations B.V.	Nijmegen	Netherlands	178.85.213.1	Provincie Gelderland	6521
AS3209 Vodafone GmbH	Rastatt	Germany	178.8.16.116	Baden-Württemberg Region	76437
AS8997 PJSC Rostelecom	St Petersburg	Russia	178.71.146.188	St.-Petersburg	190817
AS8997 PJSC Rostelecom	St Petersburg	Russia	178.66.28.186	St.-Petersburg	190817
AS14061 DigitalOcean, LLC	London	United Kingdom	178.62.75.126	England	EC2V
AS14061 DigitalOcean, LLC	Amsterdam	Netherlands	178.62.235.107	North Holland	1098
AS3209 Vodafone GmbH	Bremen	Germany	178.6.28.89	Bremen	28757
AS3209 Vodafone GmbH	Berlin	Germany	178.5.235.8	Land Berlin	10777
AS31200 Novotelecom Ltd	Novosibirsk	Russia	178.49.157.3	Novosibirskaya Oblast'	630009
AS12389 PJSC Rostelecom	Orenburg	Russia	178.44.161.69	Orenburgskaya Oblast'	460000
AS3209 Vodafone GmbH	Braunschweig	Germany	178.3.82.182	Lower Saxony	38100
AS42730 EVANZO e-commerce GmbH	Frankfurt am Main	Germany	178.254.3.42	Hesse	
AS52116 Orion Telekom Tim d.o.o.Beograd	Belgrade	Serbia	178.254.168.100	Belgrade	
AS24689 CJSC Rosintel	Novomoskovsk	Russia	178.252.203.217	Tul'skaya Oblast'	301680
AS28840 Ojsc oao Tattelecom	Al'met'yevsk	Russia	178.206.215.33	Tatarstan	423450
AS6830 Liberty Global Operations B.V.	Frankfurt am Main	Germany	178.203.235.87	Hesse	60594
AS3209 Vodafone GmbH	Hürth	Germany	178.2.197.160	North Rhine-Westphalia	50354
AS3303 Swisscom (Switzerland) Ltd	Échallens	Switzerland	178.194.215.57	Vaud	1040

AS12389 PJSC Rostelecom	Barnaul	Russia	178.186.235.113	Altai Krai	656021
AS9145 EWE-Tel GmbH	Westoverledingen	Germany	178.142.49.134	Lower Saxony	26810
AS9145 EWE-Tel GmbH	Haseluenne	Germany	178.142.2.62	Lower Saxony	49740
AS6697 Republican Unitary Telecommunication Enterprise Beltelecom	Gomel	Belarus	178.123.155.113	Gomel	
AS6697 Republican Unitary Telecommunication Enterprise Beltelecom	Gomel	Belarus	178.123.141.217	Gomel	
AS25255 Hutchison Drei Austria GmbH	Vienna (Liesing)	Austria	178.115.246.200	Vienna	
AS3209 Vodafone GmbH	Apolda	Germany	178.0.254.68	Thuringia	99510
AS3209 Vodafone GmbH	Hilden	Germany	178.0.200.146	North Rhine-Westphalia	40721
AS3209 Vodafone GmbH	Magdeburg	Germany	178.0.152.104	Saxony-Anhalt	39126
AS28573 CLARO S.A.	Caxias do Sul	Brazil	177.82.240.150	Rio Grande do Sul	
AS53010 MINUTES4ALL TELECOMUNICAÇÕES LTDA	São Paulo	Brazil	177.67.48.191	Sao Paulo	
AS52762 Band Telecomunicações Ltda	Ipatinga	Brazil	177.23.28.193	Minas Gerais	
AS53088 FORNET COMUNICACOES LTDA	Paranavai	Brazil	177.21.88.45	Parana	
AS26615 Tim Celular S.A.	São Paulo	Brazil	177.149.46.176	Sao Paulo	
AS262363 Warehouse Informatica e Multimidia Ltda	Pindamonhangaba	Brazil	177.126.240.58	Sao Paulo	
AS262323 STAR CONECT TELECOM LTDA	Fortaleza (Papicu)	Brazil	177.107.100.175	Ceará	
AS3352 Telefonica De Espana	Zaragoza	Spain	176.86.210.31	Aragon	50003
AS3292 Tele Danmark	Graested	Denmark	176.22.31.234	Capital Region	3230
AS12389 PJSC Rostelecom	Chita	Russia	176.209.12.218	Transbaikal Territory	672005
AS6876 TeNeT Scientific Production Enterprise LLC	Odesa	Ukraine	176.119.113.44	Odessa	65007
AS50643 PP Lurenet	Lisichansk	Ukraine	176.117.79.108	Luhans'ka Oblast'	93100
AS49125 Uteam LTD	Ivano-Frankivsk	Ukraine	176.117.170.75	Ivano-Frankivsk	
AS49588 SDS-Vostok Ltd.	Zaporizhia	Ukraine	176.101.222.63	Zaporizhia	
AS9924 Taiwan Fixed Network, Telco and Network Service Provider.	Taoyuan District	Taiwan	175.99.146.65	Taoyuan	
AS45753 NETSEC NOC	Hong Kong (Tsimshatsui)	Hong Kong	175.41.27.185	Kowloon City	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	175.244.16.68	Gyeonggi-do	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	175.224.188.56	Gyeonggi-do	
AS4134 No.31,Jin-rong Street	Changsha	China	175.2.84.159	Hunan	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	175.173.139.157	Liaoning	

AS4788 TM Net, Internet Service Provider	Kuala Terengganu	Malaysia	175.137.44.241	Terengganu	20300
AS7922 Comcast Cable Communications, LLC	Scranton	United States	174.59.183.12	Pennsylvania	18510
AS7922 Comcast Cable Communications, LLC	Elizabethtown	United States	174.59.112.251	Pennsylvania	17022
AS7922 Comcast Cable Communications, LLC	York	United States	174.55.64.2	Pennsylvania	17408
AS7922 Comcast Cable Communications, LLC	Scranton	United States	174.54.146.160	Pennsylvania	18512
AS7922 Comcast Cable Communications, LLC	Nashville	United States	174.50.235.39	Tennessee	37214
AS7922 Comcast Cable Communications, LLC	York	United States	174.49.224.213	Pennsylvania	17402
AS209 Qwest Communications Company, LLC	Glendale	United States	174.26.228.141	Arizona	85302
AS7029 Windstream Communications LLC	Port Saint Lucie	United States	174.141.55.36	Florida	34953
AS33363 BRIGHT HOUSE NETWORKS, LLC	Bakersfield	United States	174.134.46.92	California	93305
AS33363 BRIGHT HOUSE NETWORKS, LLC	Bakersfield	United States	174.134.208.162	California	93308
AS11426 Time Warner Cable Internet LLC	Wilmington	United States	174.106.45.178	North Carolina	28401
AS10796 Time Warner Cable Internet LLC	Amelia	United States	174.101.236.133	Ohio	45102
AS11426 Time Warner Cable Internet LLC	Hilton Head Island	United States	173.93.190.44	South Carolina	29926
AS10796 Time Warner Cable Internet LLC	Hermitage	United States	173.89.226.215	Pennsylvania	16148
AS35916 MULTACOM CORPORATION	Canyon Country	United States	173.82.99.74	California	91387
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Newburgh	United States	173.62.72.202	New York	12550
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Exton	United States	173.62.237.152	Pennsylvania	19341
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Atco	United States	173.61.173.123	New Jersey	08004
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Rutherford	United States	173.54.166.48	New Jersey	07070
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Union	United States	173.54.118.247	New Jersey	07083
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Richmond	United States	173.53.106.249	Virginia	23229

AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Westborough	United States	173.48.192.76	Massachusetts	01581
AS8100 QuadraNet, Inc	Los Angeles	United States	173.254.247.28	California	90014
AS19108 Suddenlink Communications	Abilene	United States	173.219.234.178	Texas	79604
AS7922 Comcast Cable Communications, LLC	Portland	United States	173.164.100.38	Oregon	97201
AS7922 Comcast Cable Communications, LLC	Kennesaw	United States	173.160.77.202	Georgia	30144
AS46261 QuickPacket, LLC	Atlanta	United States	172.98.172.56	Georgia	30303
AS19969 Joe's Datacenter, LLC	Kansas City	United States	172.96.8.140	Missouri	64106
AS22457 Corridor Communications, INC.	Edson	Canada	172.96.46.169	Alberta	T7E
AS32306 Host NIT Inc	Jacksonville	United States	172.86.89.153	Florida	32257
AS5650 Frontier Communications of America, Inc.	Valparaiso	United States	172.78.21.61	Indiana	46385
AS11426 Time Warner Cable Internet LLC	Fayetteville	United States	172.74.185.223	North Carolina	28306
AS18779 EGIHosting	San Jose	United States	172.121.217.199	California	95113
AS20001 Time Warner Cable Internet LLC	Glendora	United States	172.115.15.125	California	91740
AS4134 No.31,Jin-rong Street	Chengdu	China	171.95.118.253	Sichuan	
AS4134 No.31,Jin-rong Street	Zaoyang	China	171.41.97.203	Hubei	
AS4134 No.31,Jin-rong Street	Deyang	China	171.211.70.194	Sichuan	
AS10794 Bank of America	Concord	United States	171.161.242.99	California	94520
AS4134 No.31,Jin-rong Street	Zhengzhou	China	171.15.38.231	Henan	
AS265016 Atlanet Telecomunicacoes Ltda	São Paulo	Brazil	170.84.166.193	Sao Paulo	
AS54291 Inspira Medical Centers, Inc.	Franklinville	United States	170.75.46.174	New Jersey	08322
AS714 Apple Inc.	Cupertino	United States	17.130.82.221	California	95014
AS36351 SoftLayer Technologies Inc.	Atlanta	United States	169.45.156.75	Georgia	
AS52 University of California, Los Angeles	Los Angeles	United States	169.232.238.5	California	90024
AS2572 University of Missouri - dba the Missouri Research and Education Network (MOREnet)	Kansas City	United States	169.142.82.206	Missouri	64106
AS264928 daviano da silva junior	Arcoverde	Brazil	168.228.190.188	Pernambuco	
AS264685 REDES DEL OESTE S.A	Mendoza	Argentina	168.227.99.200	Mendoza	5500
AS3741 IS	Johannesburg	South Africa	168.164.195.30	Gauteng	
AS3700 Cloud 9 Internet, Inc.	White Plains	United States	168.100.85.93	New York	10605

AS6128 Cablevision Systems Corp.	Brooklyn	United States	167.206.244.63	New York	11211
AS18779 EGIHosting	San Jose	United States	166.88.92.109	California	95113
AS2033 Panix Network Information Center	New York	United States	166.84.215.238	New York	10024
AS22923 Yesup Ecommerce Solutions Inc.	Toronto	Canada	166.48.183.40	Ontario	M4S
AS31463 4D Data Centres Ltd	Southfield	United States	165.84.221.187	Michigan	
AS174 Cogent Communications	Chicago	United States	165.25.240.180	Illinois	60602
AS7020 QDATA-AS	Durban	South Africa	165.233.184.52	KwaZulu-Natal	3610
AS56339 Epitech	Le Kremlin-Bicetre	France	163.5.40.187	Île-de-France	94270
	Cincinnati (Central Business District)	United States	163.182.72.1	Ohio	
AS12876 Online S.a.s.	Clichy-sous-Bois	France	163.172.228.23	Île-de-France	
AS62759 Reedsburg Utility Commission	Reedsburg	United States	162.245.180.248	Wisconsin	53959
AS46606 Unified Layer	Provo	United States	162.214.239.130	Utah	84606
AS54972 A Communications South Mountain LLC	Desert Hot Springs	United States	162.210.213.112	California	92241
AS15395 Rackspace Ltd.	London	United Kingdom	162.13.231.48	England	
AS7849 CROCKER COMMUNICATIONS	Amherst	United States	161.77.59.10	Massachusetts	01002
AS3816 COLOMBIA TELECOMUNICACIONES S.A. ESP	Bogotá (Teusaquillo)	Colombia	161.18.208.170	Bogota D.C.	
AS36903 MT-MPLS	Rabat	Morocco	160.179.183.206	Rabat-Sale-Kenitra	
AS33383 Hewlett-Packard Company	Palo Alto	United States	16.242.210.41	California	94304
AS36351 SoftLayer Technologies Inc.	Amsterdam	Netherlands	159.253.146.215	North Holland	1091
AS12874 Fastweb	Reggio nell'Emilia	Italy	158.255.243.27	Emilia-Romagna	
AS57507 Sokom S.r.l.	Gaggio Montano	Italy	158.255.198.35	Emilia-Romagna	40041
AS8218 Zayo France SAS	Paris	France	158.255.101.78	Île-de-France	75008
AS8159 KansasNet / Fox Business Systems	Manhattan	United States	158.247.64.45	Kansas	66502
AS12271 Time Warner Cable Internet LLC	New York	United States	158.222.135.9	New York	10027
AS2607 Zdruzenie pouzivatelov Slovenskej akademickej datovej siete	Košice	Slovakia	158.197.169.80	Kosice	040 23
AS6332 Telefonos del Noroeste, S.A. de C.V.	Calexico	United States	158.122.198.238	California	92231
AS224 UNINETT AS	Oslo	Norway	157.249.84.130	Oslo County	0001
AS786 Jisc Services Limited	Sunderland	United Kingdom	157.228.252.61	England	SR5
AS46375 Sonic Telecom LLC	San Francisco	United States	157.131.222.97	California	94110

AS45916 Gujarat Telelink Pvt Ltd	Pune	India	157.119.204.92	Maharashtra	411001
AS20746 Telecom Italia	Rome	Italy	156.54.139.65	Latium	
AS8100 QuadraNet, Inc	Dallas	United States	155.94.253.207	Texas	75247
AS37081 movicel-as	Luanda	Angola	155.89.144.8	Luanda Province	
AS37658 Marion-Technology	Johannesburg	South Africa	154.66.151.230	Gauteng	2000
AS174 Cogent Communications	Birmingham	United Kingdom	154.51.150.229	England	B32
AS17216 DC74 LLC	Charlotte	United States	154.16.168.14	North Carolina	28202
AS4713 NTT Communications Corporation	Tokyo	Japan	153.230.9.226	Tokyo	190-0031
AS4713 NTT Communications Corporation	Noshiro	Japan	153.172.54.131	Akita	016-0813
AS4713 NTT Communications Corporation	Yokohama	Japan	153.153.20.97	Kanagawa	231-0005
AS559 SWITCH	Martigny-Ville	Switzerland	153.109.99.10	Valais	1920
AS81 MCNC	Asheville	United States	152.18.170.70	North Carolina	28804
AS1267 Wind Telecomunicazioni SpA	Cadelbosco di Sopra	Italy	151.67.160.10	Emilia-Romagna	42023
AS1267 Wind Telecomunicazioni SpA	Rome	Italy	151.31.173.86	Latium	00134
AS1267 Wind Telecomunicazioni SpA	Cascina	Italy	151.29.142.58	Tuscany	56021
AS5607 Sky UK Limited	Bolton	United Kingdom	151.229.208.115	England	BL1
AS5607 Sky UK Limited	Bridlington	United Kingdom	151.227.168.233	England	YO16
AS5607 Sky UK Limited	Aberdeen	United Kingdom	151.226.137.223	Scotland	AB11
AS174 Cogent Communications	Milwaukee	United States	151.153.158.213	Wisconsin	53202
AS54104 netDNA	Dallas	United States	151.139.236.169	Texas	75201
AS1998 State of Minnesota	Saint Paul	United States	151.111.85.160	Minnesota	55155
AS3242 ITnet S.r.l.	Milan	Italy	151.1.64.32	Lombardy	
AS58541 Xiangtan	Jinan	China	150.138.172.121	Shandong	
AS19580 A.R.T. Advisors, LLC	Clifton	United States	149.85.26.53	New Jersey	
AS20857 Transip B.V.	Rotterdam	Netherlands	149.210.235.143	South Holland	3072
AS29562 Kabel BW	Oftersheim	Germany	149.172.232.138	Baden-Württemberg Region	68723
AS22742 Connecticut Education Network	Willimantic	United States	149.152.152.130	Connecticut	06226
AS6400 Compañía Dominicana de Teléfonos, C. por A. - CODETEL	Santo Domingo	Dominican Republic	148.255.8.175	Nacional	10206
AS766 Entidad Publica Empresarial Red.es	Valencia	Spain	147.156.43.32	Valencia	46001

AS553 Universitaet Stuttgart	Heidelberg	Germany	147.142.94.207	Baden-Württemberg Region	69123
AS25780 HugeServer Networks, LLC	Los Angeles	United States	146.71.17.138	California	90025
AS270 National Aeronautics and Space Administration	Huntsville	United States	146.154.58.69	Alabama	35812
AS21299 2DAY Telecom LLP	Almaty	Kazakhstan	145.249.232.229	Almaty Qalasy	
AS203380 DA International Group Ltd.	Utrecht	Netherlands	145.14.131.16	Provincie Utrecht	
AS1136 KPN B.V.	Pijnacker	Netherlands	145.132.52.40	South Holland	2642
AS1136 KPN B.V.	Arnhem	Netherlands	145.129.196.157	Provincie Gelderland	6843
AS1103 SURFnet bv	Amsterdam	Netherlands	145.107.14.96	North Holland	1091
AS2426 Renater	Châtillon	France	144.204.39.33	Île-de-France	
AS2426 Renater	Aix-en-Provence	France	144.204.118.42	Provence-Alpes-Côte d'Azur	
AS36024 Colo4, LLC	Los Angeles	United States	143.95.34.44	California	90014
AS3734 Santa Clara County Office of Education	San Jose	United States	143.254.70.146	California	95126
AS786 Jisc Services Limited	Leicester	United Kingdom	143.210.97.14	England	LE1
AS13127 Tele 2 Nederland B.V.	's-Hertogenbosch	Netherlands	143.176.130.10	North Brabant	5215
AS13636 NEC Laboratories America, Inc.	Irving	United States	143.101.12.95	Texas	75063
AS46261 QuickPacket, LLC	Flushing	United States	142.4.163.224	New York	11354
AS7122 MTS Inc.	Winnipeg	Canada	142.233.188.48	Manitoba	R3E
AS33363 BRIGHT HOUSE NETWORKS, LLC	Orlando	United States	142.196.165.52	Florida	32801
AS7122 MTS Inc.	Brandon	Canada	142.160.203.163	Manitoba	R7A
AS18621 The Conestoga College Institute of Technology and Advanced Learning	Kitchener	Canada	142.156.149.12	Ontario	N2G
AS47956 XFone 018 Ltd	Brisbane	Australia	141.226.74.29	Queensland	
AS8204 Deutsche Telekom AG	Berlin	Germany	141.16.64.88	Land Berlin	12489
AS6848 Telenet BVBA	Bruges	Belgium	141.134.130.250	Flanders	8310
AS2828 MCI Communications Services, Inc. d/b/a Verizon Business	Irvine	United States	140.239.12.77	California	92618
AS210 Utah Education Network	Salt Lake City	United States	140.197.14.4	Utah	84112
AS1659 Taiwan Academic Network (TANet) Information Center	Taichung	Taiwan	140.128.191.66	Taichung City	
AS4766 Korea Telecom	Seoul	Republic of Korea	14.34.207.9	Seoul	
AS4134 No.31,Jin-rong Street	Yinchuan	China	14.135.233.223	Ningsia Hui Autonomous Region	
AS5742 Consolidated Communications, Inc.	Charleston	United States	139.67.43.128	Illinois	61920

AS133720 SOFT CALL CUST-O-CARE PRIVATE LIMITED	Badlapur	India	139.5.24.147	Maharashtra	421503
AS4837 CHINA UNICOM China169 Backbone	Xining	China	139.170.250.237	Qinghai	
AS786 Jisc Services Limited	Southampton	United Kingdom	139.166.199.177	England	SO14
AS19564 Louisiana Tech University	Ruston	United States	138.47.189.15	Louisiana	71270
AS766 Entidad Publica Empresarial Red.es	Madrid	Spain	138.4.140.117	Madrid	28001
AS14977 State of Wyoming Department A&I;	Cheyenne	United States	137.84.180.90	Wyoming	82002
AS393249 University of British Columbia	Vancouver	Canada	137.82.176.25	British Columbia	V6T
AS7860 University of Prince Edward Island	Charlottetown	Canada	137.149.60.212	Prince Edward Island	C1A
AS16591 Google Fiber Inc.	Kansas City	United States	136.61.242.129	Missouri	64114
AS29562 Kabel BW	Karlsruhe	Germany	134.3.28.193	Baden-Württemberg Region	76137
AS197071 Dennis Rainer Warnholz trading as active-servers.com	Münster (Hiltrup)	Germany	134.255.252.18	North Rhine-Westphalia	
AS15395 Rackspace Ltd.	London	United Kingdom	134.213.242.66	England	
AS20773 Host Europe GmbH	Hoest	Germany	134.119.65.133	North Rhine-Westphalia	47652
AS553 Universitaet Stuttgart	Schwaikheim	Germany	134.108.14.141	Baden-Württemberg Region	71409
AS22877 University of Maryland University College	College Park	United States	131.171.57.189	Maryland	20742
AS1257 TELE2	Stockholm (Kista)	Sweden	130.244.68.237	Stockholm	
AS1257 TELE2	Stockholm (Kista)	Sweden	130.244.3.89	Stockholm	
AS1257 TELE2	Karlstad	Sweden	130.244.190.10	Värmland	
AS2842 Goteborgs universitet	Gothenburg	Sweden	130.241.3.196	Västra Götaland	400 12
AS21976 NJEDge.Net, Inc.	West Long Branch	United States	130.156.80.224	New Jersey	07764
AS4385 Rochester Institute of Technology	Rochester	United States	129.21.172.210	New York	14623
AS31898 Oracle Corporation	Redwood City	United States	129.146.20.139	California	94065
AS2514 NTT PC Communications, Inc.	Nagoya	Japan	128.53.184.84	Aichi	461-0019
AS11975 The College of William and Mary	Williamsburg	United States	128.239.193.66	Virginia	23187
AS7281 Booz Allen Hamilton Inc.	Washington	United States	128.229.13.5	District of Columbia	20068
AS6360 University of Hawaii	Honolulu	United States	128.171.208.89	Hawaii	96822
AS35753 Integrated Telecom Co. Ltd	Paris	France	128.127.225.246	Île-de-France	

AS91 Rensselaer Polytechnic Institute	Troy	United States	128.113.193.151	New York	12180
AS17676 Softbank BB Corp.	Tokyo	Japan	126.235.130.241	Tokyo	190-0031
AS17676 Softbank BB Corp.	Kawasaki	Japan	126.218.129.138	Kanagawa	210-0835
AS4837 CHINA UNICOM China169 Backbone	Luoyang	China	125.43.88.196	Henan	
AS4837 CHINA UNICOM China169 Backbone	Changchun	China	125.32.44.137	Jilin	
AS23969 TOT Public Company Limited	Bangkok	Thailand	125.27.107.107	Bangkok	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	125.190.51.78	Seoul	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	125.182.138.12	Seoul	
AS4134 No.31,Jin-rong Street	Hangzhou	China	125.118.248.248	Zhejiang	
AS4134 No.31,Jin-rong Street	Jinhua	China	125.117.145.204	Zhejiang	
AS4134 No.31,Jin-rong Street	Guli	China	125.113.30.180	Zhejiang	
AS4134 No.31,Jin-rong Street	Yiwu	China	125.112.107.167	Zhejiang	
AS4134 No.31,Jin-rong Street	Quzhou	China	125.106.254.107	Zhejiang	
AS4134 No.31,Jin-rong Street	Quzhou	China	125.105.133.249	Zhejiang	
AS4837 CHINA UNICOM China169 Backbone	Dandong	China	124.94.26.100	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	124.92.111.60	Liaoning	
AS4788 TM Net, Internet Service Provider	Sungai Petani	Malaysia	124.82.121.14	Kedah	08000
AS4812 China Telecom (Group)	Shanghai	China	124.77.136.16	Shanghai	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	124.51.182.124	Seoul	
AS10013 FreeBit Co.,Ltd.	Tokyo	Japan	124.255.4.52	Tokyo	190-0031
AS4134 No.31,Jin-rong Street	Changchun	China	124.234.46.7	Jilin	
AS4134 No.31,Jin-rong Street	Yongzhou	China	124.229.204.11	Hunan	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	123.57.57.175	Zhejiang	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	123.56.74.212	Zhejiang	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	123.215.231.166	Seoul	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	123.191.26.14	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Dashiqiao	China	123.190.109.62	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Zhengzhou	China	123.15.240.159	Henan	
AS4808 China Unicom Beijing Province Network	Beijing	China	123.123.49.47	Beijing	

AS4837 CHINA UNICOM China169 Backbone	Nantong	China	122.96.164.121	Jiangsu	
AS132165 Connect Communications	Karachi	Pakistan	122.8.130.80	Sindh	12311
AS17858 LG POWERCOMM	Seoul	Republic of Korea	122.47.110.152	Seoul	
AS4134 No.31,Jin-rong Street	Lanxi	China	122.242.58.122	Zhejiang	
AS4134 No.31,Jin-rong Street	Shaoxing	China	122.236.33.129	Zhejiang	
AS4134 No.31,Jin-rong Street	Jinhua	China	122.226.38.82	Zhejiang	
AS55410 C48 Okhla Industrial Estate, New Delhi-110020	Noida	India	122.15.6.78	Uttar Pradesh	201301
AS4134 No.31,Jin-rong Street	Jianggang	China	121.238.186.63	Jiangsu	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	121.198.57.224	Zhejiang	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	120.25.210.119	Zhejiang	
AS24445 Henan Mobile Communications Co.,Ltd	Zhengzhou	China	120.219.16.121	Henan	
AS45194 Syscon Infoway Pvt. Ltd.	Mumbai	India	120.138.112.105	Maharashtra	400070
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	120.11.105.93	Hebei	
AS7018 AT&T; Services, Inc.	Pomfret Center	United States	12.71.141.44	Connecticut	06259
AS7018 AT&T; Services, Inc.	Chicago	United States	12.249.241.154	Illinois	60649
AS7018 AT&T; Services, Inc.	Galena Park	United States	12.146.222.87	Texas	
AS4134 No.31,Jin-rong Street	Chongqing	China	119.85.62.154	Chongqing	
AS132203 Tencent Building, Kejizhongyi Avenue	Beijing	China	119.28.27.216	Beijing	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	119.211.162.67	Gyeonggi-do	
AS4837 CHINA UNICOM China169 Backbone	Rizhao	China	119.183.127.248	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Dengzhou	China	119.180.36.120	Shandong	
AS4134 No.31,Jin-rong Street	Zhanjiang	China	119.140.101.190	Guangdong	
AS4837 CHINA UNICOM China169 Backbone	Dalian	China	119.113.245.157	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Dalian	China	119.112.70.46	Liaoning	
AS4134 No.31,Jin-rong Street	Guizhoumanzuxiang	China	119.1.240.55	Liaoning	
AS4134 No.31,Jin-rong Street	Lanzhou	China	118.183.66.3	Gansu	
AS4134 No.31,Jin-rong Street	Suzhou	China	117.83.116.105	Jiangsu	
AS4134 No.31,Jin-rong Street	Huangshan City	China	117.69.164.240	Anhui	
AS9829 National Internet Backbone	Kolkata	India	117.248.149.45	West Bengal	700063

AS9829 National Internet Backbone	Chandigarh	India	117.245.137.71	Chandigarh	
AS9829 National Internet Backbone	Allahabad	India	117.244.116.129	Uttar Pradesh	211016
AS9829 National Internet Backbone	Mysore	India	117.208.181.166	Karnataka	570022
AS9829 National Internet Backbone	Coimbatore	India	117.208.170.238	Tamil Nadu	641001
AS9829 National Internet Backbone	Bhubaneswar	India	117.197.254.228	Odisha	751014
AS9808 Guangdong Mobile Communication Co.Ltd.	Nanchang	China	117.169.158.165	Jiangxi	
AS4134 No.31,Jin-rong Street	Kunming	China	116.53.238.116	Yunnan	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	116.2.255.211	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Jingshan (Dongcheng)	China	116.116.95.95	Beijing	
AS4837 CHINA UNICOM China169 Backbone	Baotou	China	116.116.151.145	Inner Mongolia Autonomous Region	
AS4134 No.31,Jin-rong Street	Huzhou	China	115.208.72.69	Zhejiang	
AS4134 No.31,Jin-rong Street	Linhai	China	115.203.195.126	Zhejiang	
AS4134 No.31,Jin-rong Street	Linhai	China	115.203.189.123	Zhejiang	
AS4134 No.31,Jin-rong Street	Linhai	China	115.202.178.25	Zhejiang	
AS4134 No.31,Jin-rong Street	Linhai	China	115.201.56.148	Zhejiang	
AS3462 Data Communication Business Group	Taipei	Taiwan	114.35.52.182	Taipei City	
AS3462 Data Communication Business Group	Kaohsiung City	Taiwan	114.27.181.40	Kaohsiung	
AS4808 China Unicom Beijing Province Network	Beijing	China	114.244.131.229	Beijing	
AS4134 No.31,Jin-rong Street	Nanjing	China	114.235.201.12	Jiangsu	
AS4134 No.31,Jin-rong Street	Shuyicun	China	114.234.229.152	Shanxi	
AS4134 No.31,Jin-rong Street	Nanjing	China	114.233.81.196	Jiangsu Sheng	
AS4134 No.31,Jin-rong Street	Wuxi	China	114.223.255.247	Jiangsu	
AS4134 No.31,Jin-rong Street	Suzhou	China	114.217.9.190	Jiangsu	
AS4134 No.31,Jin-rong Street	Suzhou	China	114.107.159.176	Anhui	
AS4134 No.31,Jin-rong Street	Xi'an	China	113.27.96.81	Shaanxi	
AS4134 No.31,Jin-rong Street	Taiyuan	China	113.25.203.3	Shanxi	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	113.237.160.126	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Dalian	China	113.234.45.10	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	113.232.216.82	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Jinzhou	China	113.231.131.17	Liaoning	

AS45528 Tikona Infinet Ltd.	Jalalpur	India	113.193.197.189	Gujarat	394210
AS4134 No.31,Jin-rong Street	Yulin	China	113.135.192.193	Shaanxi	
AS17621 China Unicom Shanghai network	Shanghai	China	112.65.236.37	Shanghai	
AS9808 Guangdong Mobile Communication Co.Ltd.	Hefei	China	112.29.142.85	Anhui	
AS4837 CHINA UNICOM China169 Backbone	Weihai	China	112.247.207.56	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Dezhou	China	112.242.129.212	Shandong	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	112.187.22.184	Gyeonggi-do	
AS17858 LG POWERCOMM	Daejeon	Republic of Korea	112.152.163.199	Daejeon	
AS4134 No.31,Jin-rong Street	Kunming	China	112.112.202.137	Yunnan	
AS4134 No.31,Jin-rong Street	Ganzhou	China	111.73.98.58	Jiangxi	
AS24444 Shandong Mobile Communication Company Limited	Jinan	China	111.34.34.205	Shandong	
AS45090 Shenzhen Tencent Computer Systems Company Limited	Beijing	China	111.230.12.249	Beijing	
AS4134 No.31,Jin-rong Street	Wuhan	China	111.183.242.219	Hubei	
AS4134 No.31,Jin-rong Street	Xiantao	China	111.183.136.213	Hubei	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	111.167.229.120	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	111.166.115.19	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	111.164.87.122	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	111.161.130.134	Tianjin	
AS4134 No.31,Jin-rong Street	Guiyang	China	111.124.13.118	Guizhou	
AS4837 CHINA UNICOM China169 Backbone	Qinhuangdao	China	110.255.23.61	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	110.241.160.130	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Shijiazhuang	China	110.228.31.101	Hebei	
AS4134 No.31,Jin-rong Street	Linfen	China	110.182.145.154	Shanxi	
AS6830 Liberty Global Operations B.V.	Werl	Germany	109.91.146.153	North Rhine-Westphalia	59457
AS12392 Brutele SC	Chapelle-lez-Herlaimont	Belgium	109.88.33.217	Wallonia	7160
AS6830 Liberty Global Operations B.V.	Celbridge	Ireland	109.255.86.79	Leinster	
AS25513 OJS Moscow city telephone network	Moscow	Russia	109.252.137.24	Moscow	102128

AS16347 ADISTA SAS	Arras	France	109.237.246.225	Hauts-de-France	62000
AS21413 Envía Tel GmbH	Halle (Mitte)	Germany	109.237.142.232	Saxony-Anhalt	
AS25133 LLC McLaut-Invest	Cherkasy	Ukraine	109.227.110.57	Cherkas'ka Oblast'	18008
AS29550 Simply Transit Ltd	Bowburn	United Kingdom	109.203.105.6	England	
AS51645 JSC ER-Telecom Holding	Irkutsk	Russia	109.194.17.176	Irkutskaya Oblast'	664074
AS29562 Kabel BW	Stuttgart	Germany	109.192.64.19	Baden-Württemberg Region	70186
AS35540 OVH SAS	Roubaix	France	109.190.0.31	Nord-Pas-de-Calais	
AS12389 PJSC Rostelecom	Samara	Russia	109.169.236.125	Samarskaya Oblast'	404146
AS5432 Proximus NV	Liège	Belgium	109.132.85.31	Wallonia	4020
AS6830 Liberty Global Operations B.V.	Monor	Hungary	109.110.207.251	Pest megye	
AS7018 AT&T; Services, Inc.	San Francisco	United States	108.75.73.3	California	94103
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Arlington	United States	108.51.27.114	Virginia	22204
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Gardner	United States	108.49.89.189	Massachusetts	01441
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Bethesda	United States	108.48.189.40	Maryland	20817
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	New York	United States	108.41.131.151	New York	10025
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Doylestown	United States	108.36.71.18	Pennsylvania	18901
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Closter	United States	108.35.38.247	New Jersey	07624
AS7018 AT&T; Services, Inc.	White Hall	United States	108.239.100.48	Arkansas	71602
AS30036 Mediacom Communications Corp	Ankeny	United States	108.178.251.209	Iowa	50023
AS20001 Time Warner Cable Internet LLC	Agoura Hills	United States	108.178.181.217	California	91301
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Hockessin	United States	108.16.80.47	Delaware	19707
AS7843 Time Warner Cable Internet LLC	Atlanta	United States	107.9.88.166	Georgia	
AS7922 Comcast Cable Communications, LLC	Maple Grove	United States	107.2.108.217	Minnesota	55311
AS15169 Google LLC	Mountain View	United States	107.178.247.142	California	94043
AS20278 Nexxon Technologies, Inc.	Buffalo	United States	107.175.101.13	New York	14202

AS62567 DigitalOcean, LLC	New York	United States	107.170.92.105	New York	10011
AS18779 EGIHosting	San Jose	United States	107.164.199.23	California	95113
AS11426 Time Warner Cable Internet LLC	Raleigh	United States	107.15.147.16	North Carolina	27613
AS33363 BRIGHT HOUSE NETWORKS, LLC	Bakersfield	United States	107.146.249.130	California	93308
AS11426 Time Warner Cable Internet LLC	Jacksonville	United States	107.12.133.70	North Carolina	28546
AS4134 No.31,Jin-rong Street	Yinchuan	China	106.45.36.73	Ningsia Hui Autonomous Region	
AS4134 No.31,Jin-rong Street	Hengshui	China	106.112.165.73	Hebei	
AS4134 No.31,Jin-rong Street	Guangzhou	China	106.108.120.86	Guangdong	
AS37100 SEACOM-AS	Johannesburg	South Africa	105.30.26.81	Gauteng	2000
AS36903 MT-MPLS	Casablanca	Morocco	105.155.238.207	Casablanca-Settat	
AS36947 Telecom Algeria	Sétif	Algeria	105.108.97.174	Wilaya de Setif	
AS6461 Zayo Bandwidth	Cambridge	United States	104.94.216.242	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Cambridge	United States	104.89.94.97	Massachusetts	02142
AS2914 NTT America, Inc.	Cambridge	United States	104.88.95.63	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Amsterdam	Netherlands	104.81.113.175	North Holland	1091
AS16625 Akamai Technologies, Inc.	Amsterdam	Netherlands	104.68.217.108	North Holland	1091
AS20940 Akamai International B.V.	Amsterdam	Netherlands	104.67.8.73	North Holland	1091
AS55644 Idea Cellular Limited	Cambridge	United States	104.65.141.215	Massachusetts	02142
AS7018 AT&T; Services, Inc.	New Orleans	United States	104.60.81.78	Louisiana	70115
AS8075 Microsoft Corporation	Redmond	United States	104.44.98.224	Washington	98052
AS13335 Cloudflare Inc	Montreal	Canada	104.31.21.184	Quebec	
AS13335 Cloudflare Inc	Montreal	Canada	104.31.15.13	Quebec	
AS13335 Cloudflare Inc	Montreal	Canada	104.30.43.183	Quebec	
AS13335 Cloudflare Inc	Montreal	Canada	104.26.211.107	Quebec	
AS13335 Cloudflare Inc	Montreal	Canada	104.24.94.164	Quebec	
AS14061 DigitalOcean, LLC	Clifton	United States	104.236.235.112	New Jersey	07014
AS14061 DigitalOcean, LLC	Clifton	United States	104.236.212.162	New Jersey	07014
AS14061 DigitalOcean, LLC	Clifton	United States	104.236.106.220	New Jersey	07014
AS30407 Velcom	Orleans	Canada	104.234.104.115	Ontario	K1C
AS22552 eSited Solutions	Los Angeles	United States	104.224.232.183	California	90017
AS13335 Cloudflare Inc	Montreal	Canada	104.22.173.149	Quebec	
AS46598 Southern Ohio Communication Services	Waverly	United States	104.218.210.75	Ohio	45690
AS40676 Psychz Networks	Walnut	United States	104.216.148.78	California	91789
AS15169 Google LLC	Mountain View	United States	104.196.68.87	California	94043

AS20001 Time Warner Cable Internet LLC	Ontario	United States	104.173.126.49	California	91761
AS5650 Frontier Communications of America, Inc.	Byesville	United States	104.169.92.136	Ohio	43723
AS18779 EGIHosting	San Jose	United States	104.165.248.48	California	95113
AS18779 EGIHosting	San Jose	United States	104.164.75.62	California	95113
AS18779 EGIHosting	San Jose	United States	104.164.136.246	California	95113
AS13335 Cloudflare Inc	Montreal	Canada	104.16.92.216	Quebec	
AS395111 KVCHOSTING.COM LLC	Fremont	United States	104.129.242.109	California	94539
AS16625 Akamai Technologies, Inc.	Amsterdam	Netherlands	104.124.140.205	North Holland	1091
AS1299 Telia Company AB	Amsterdam	Netherlands	104.122.240.58	North Holland	1091
AS7018 AT&T; Services, Inc.	Miami	United States	104.12.68.212	Florida	33132
AS17072 TOTAL PLAY TELECOMUNICACIONES SA DE CV	Cambridge	United States	104.113.166.222	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	104.109.176.120	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Amsterdam	Netherlands	104.108.13.93	North Holland	1091
AS16625 Akamai Technologies, Inc.	Cambridge	United States	104.103.51.211	Massachusetts	02142
AS132774 Niss Internet services private limited	Karaikal	India	103.48.181.70	Union Territory of Puducherry	609609
AS133724 Swastik Internet and Cables pvt. ltd.	Mumbai	India	103.44.118.115	Maharashtra	400071
AS55351 KAIZEN INFONET PRIVATE LIMITED	Jalalpur	India	103.246.84.171	Gujarat	394230
AS9829 National Internet Backbone	Palakkad	India	103.208.120.80	Kerala	678001
AS58552 PT Multidata Rancana Prima	Bandung	Indonesia	103.12.222.214	West Java	
AS37356 O-Tel	Ebene CyberCity	Mauritius	102.177.38.30	Plaines Wilhems District	
AS37356 O-Tel	Ebene CyberCity	Mauritius	102.177.15.35	Plaines Wilhems District	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	101.29.162.161	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Qinhuangdao	China	101.28.121.229	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	101.25.122.159	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	101.23.238.239	Hebei	
AS4812 China Telecom (Group)	Shanghai	China	101.224.182.154	Shanghai	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	101.200.226.251	Zhejiang	

AS4837 CHINA UNICOM China169 Backbone	Beijing	China	101.20.234.54	Beijing	
AS14265 TPx Communications	Whittier	United States	100.43.233.166	California	90607
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Bayside	United States	100.2.219.23	New York	11361
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Philadelphia	United States	100.19.36.236	Pennsylvania	19103
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Waldorf	United States	100.15.7.185	Maryland	20602
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Hyattsville	United States	100.15.140.212	Maryland	20783
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Newark	United States	100.11.45.81	Delaware	19702
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Philadelphia	United States	100.11.26.99	Pennsylvania	19119
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Philadelphia	United States	100.11.232.12	Pennsylvania	19149
AS4134 No.31,Jin-rong Street	Xi'an	China	1.81.100.156	Shaanxi	
AS4134 No.31,Jin-rong Street	Xi'an	China	1.80.13.10	Shaanxi	
AS4134 No.31,Jin-rong Street	Yingxian	China	1.70.113.25	Shanxi	
AS9318 SK Broadband Co Ltd	Cheongju-si	Republic of Korea	1.248.155.246	North Chungcheong	
AS4134 No.31,Jin-rong Street	Baotou	China	1.183.156.167	Inner Mongolia Autonomous Region	