

Fri Mar 23 10:32:28 2018

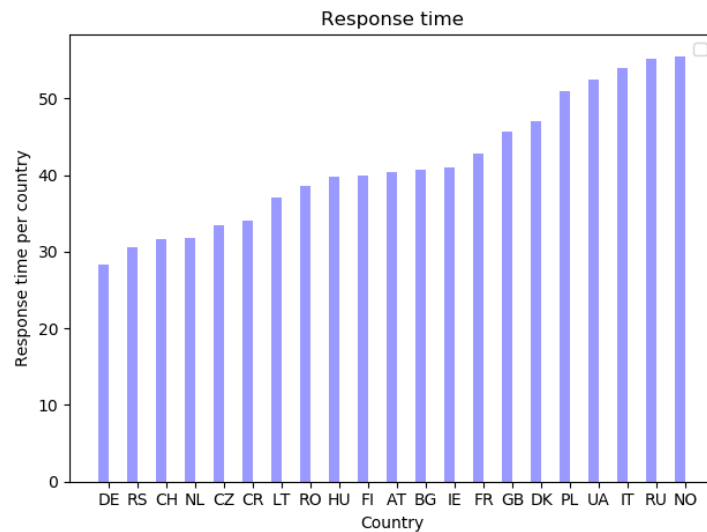
## Misc-Stats:

Totally pinged IP-Adresses: 15000  
Responding IP-Adresses: 2164  
Not responding IP-Adresses: 12836  
Percentage: 14.427

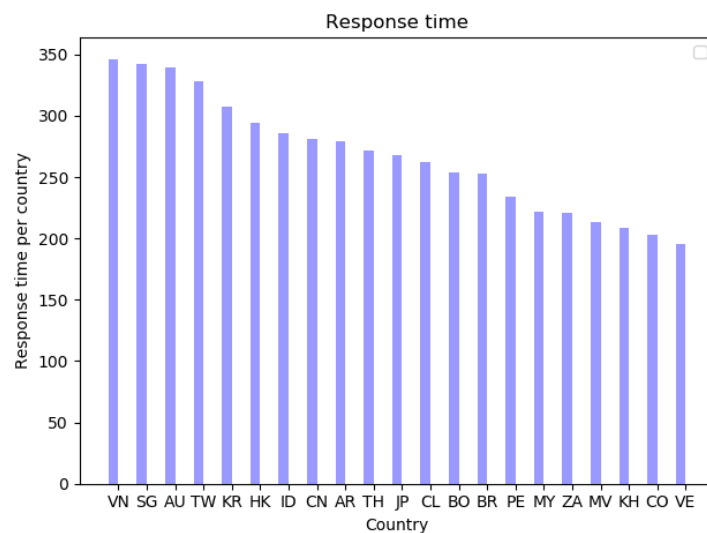
## Time-Stats:

The average response time was 141.01

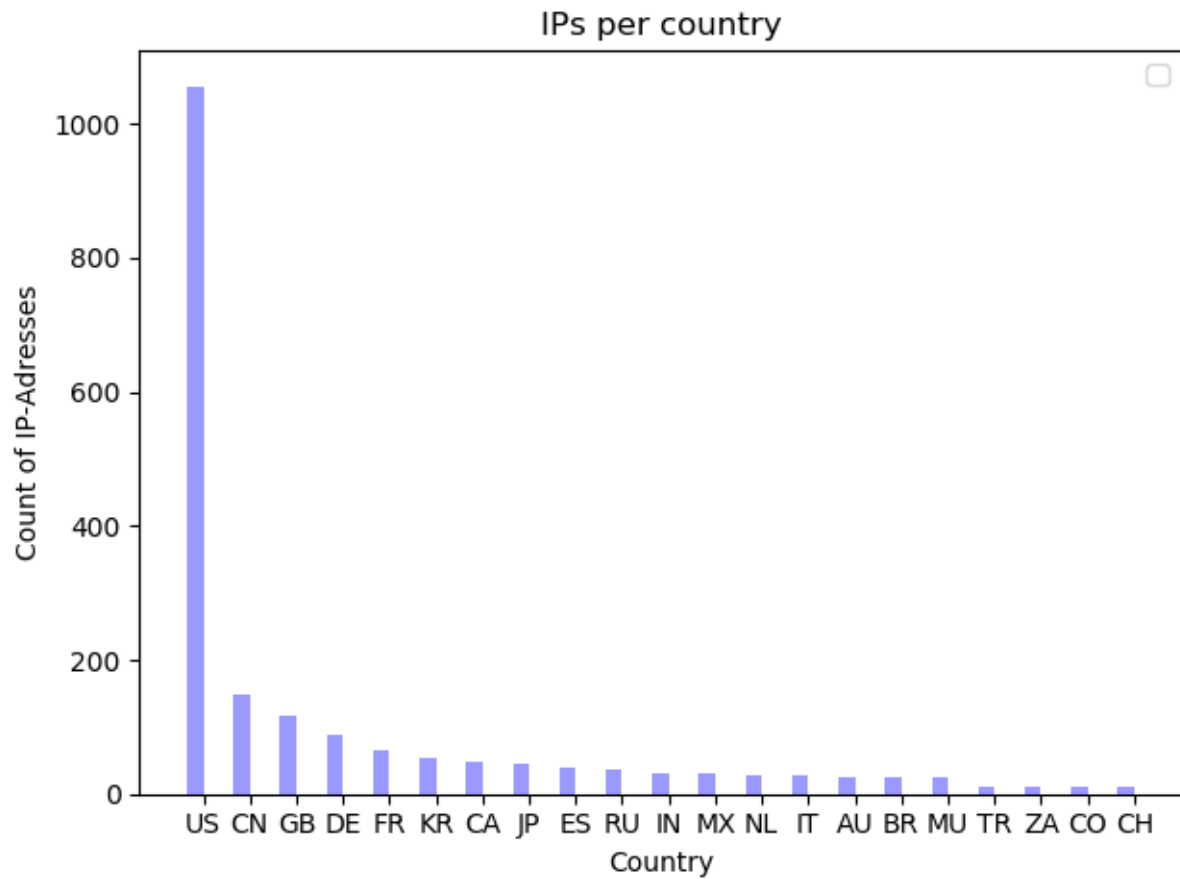
## Average response time for every country (ASCENDING):



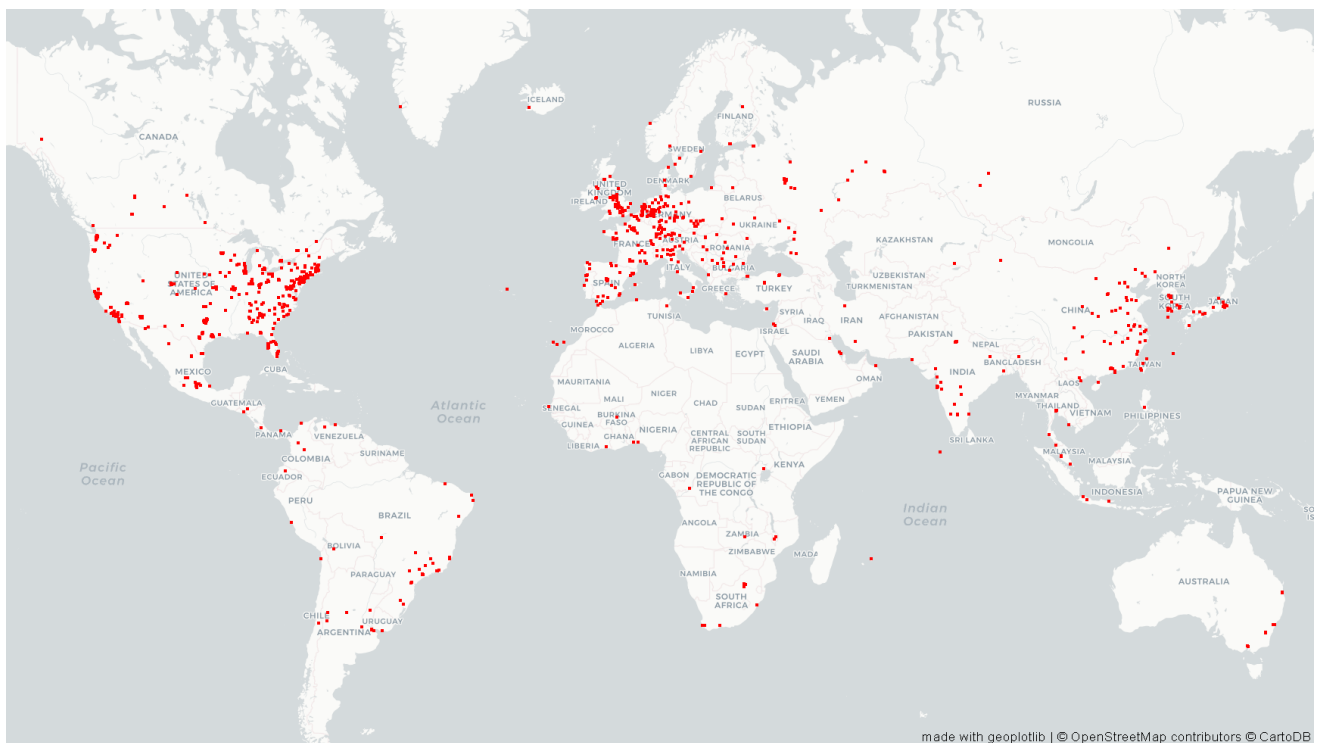
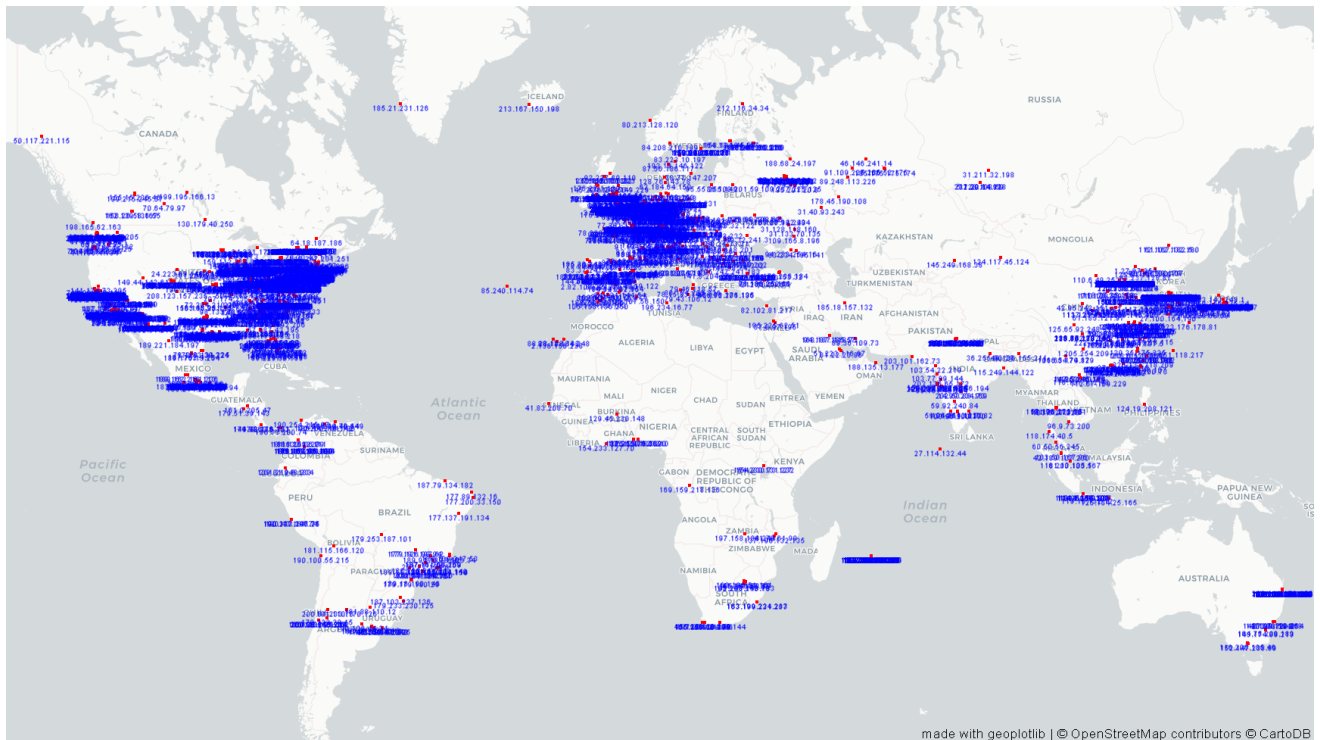
## Average response time for every country (DESCENDING):



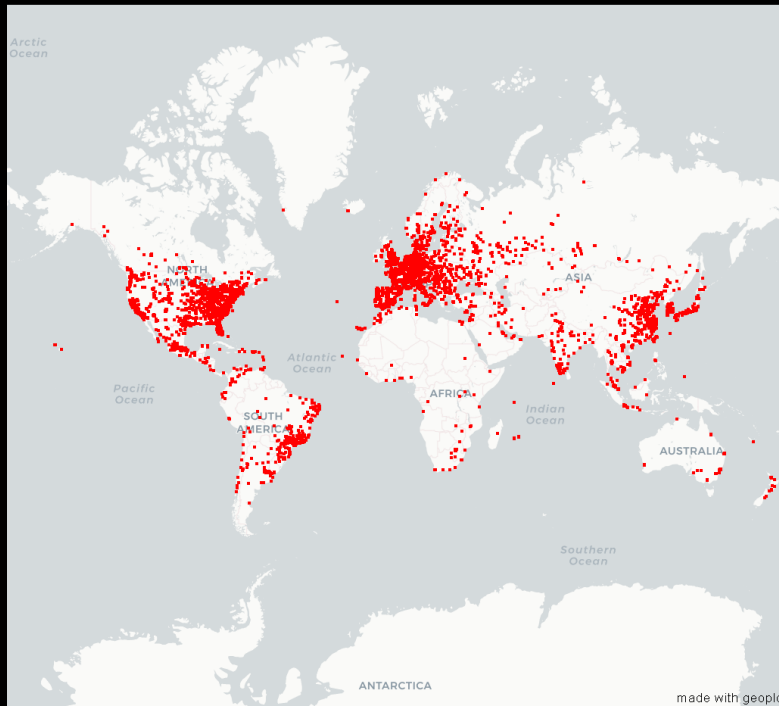
## The dispersal of the responding IPs to the countrys:



## The locations of every IP founded in this result:



# The locations of every IP ever founded:



Name	City	Country	IP	Region	ZIP-Code
	Seattle	United States	99.76.110.24	Washington	98108
AS812 Rogers Communications Canada Inc.	Toronto	Canada	99.245.148.98	Ontario	M3A
	Toronto (North York)	Canada	99.219.29.224	Ontario	
AS62566 Starbucks Coffee Company	Seattle	United States	98.99.254.151	Washington	98102
AS11426 Time Warner Cable Internet LLC	Myrtle Beach	United States	98.25.147.133	South Carolina	29577
AS7922 Comcast Cable Communications, LLC	Glenview	United States	98.227.188.210	Illinois	60025
AS7922 Comcast Cable Communications, LLC	Sarasota	United States	98.219.122.29	Florida	34238
	Little Rock	United States	98.133.73.173	Arkansas	
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Hummelstown	United States	98.117.9.241	Pennsylvania	17036
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Ridgewood	United States	98.113.58.186	New York	11385
AS20115 Charter Communications	Marshfield	United States	97.91.83.173	Wisconsin	54449
AS20115 Charter Communications	Cleveland	United States	97.89.73.25	Tennessee	37311
AS209 Qwest Communications Company, LLC	Glendale	United States	97.124.29.180	Arizona	85308
AS209 Qwest Communications Company, LLC	Federal Way	United States	97.113.148.157	Washington	98003
	Toronto (Old Toronto)	Canada	97.110.15.218	Ontario	
AS131207 SINET, Cambodia's specialist Internet and Telecom Service Provider.	Sihanoukville	Cambodia	96.9.73.200	Preah Sihanouk	
AS6128 Cablevision Systems Corp.	Manasquan	United States	96.57.128.6	New Jersey	08736
AS20115 Charter Communications	Athens	United States	96.32.153.98	Georgia	30601
	Seattle	United States	96.240.124.209	Washington	
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Walpole	United States	96.230.11.198	Massachusetts	02081
AS12389 PJSC Rostelecom	Kaliningrad	Russia	95.55.255.149	Kaliningradskaya Oblast'	
AS3269 Telecom Italia	Martignacco	Italy	95.244.2.173	Friuli Venezia Giulia	33035
AS3269 Telecom Italia	Follina	Italy	95.242.89.175	Veneto	31051
AS3269 Telecom Italia	Rome	Italy	95.238.235.143	Latium	00134
AS3269 Telecom Italia	Voghenza	Italy	95.227.127.32	Emilia-Romagna	44019
AS42689 Cablecom Networking Limited	Camden	United Kingdom	95.175.136.176	England	NW1
AS9121 Turk Telekom	Samsun	Turkey	95.10.153.32	Samsun	55000
AS60781 LeaseWeb Netherlands B.V.	Amsterdam	Netherlands	94.75.218.114	North Holland	
AS34619 Cizgi Telekomunikasyon Anonim Sirketi	Istanbul	Turkey	94.73.158.221	Istanbul	
	Krasnodar	Russia	94.233.254.16	Krasnodarskiy Kray	350000
AS3209 Vodafone GmbH	Berlin	Germany	94.223.89.235	Land Berlin	12529

AS3209 Vodafone GmbH	Berlin	Germany	94.223.165.48	Land Berlin	12529
	Beijing	China	94.191.119.148	Beijing	
AS196921 Wireless Mobile Data Company	Kuwait City (Jibla)	Kuwait	94.187.185.57	Al Asimah	
AS41998 NetCom BW GmbH	Vaihingen an der Enz	Germany	94.124.209.214	Baden-Württemberg Region	71665
AS5607 Sky UK Limited	Evesham	United Kingdom	94.1.203.177	England	WR11
AS6830 Liberty Global Operations B.V.	Šumperk	Czech Republic	93.99.26.138	Olomoucký	
AS39657 Comeser Srl	Parma	Italy	93.88.46.253	Emilia-Romagna	43126
AS8447 A1 Telekom Austria AG	Salzburg	Austria	93.83.235.52	Salzburg	5020
AS12874 Fastweb	Milan	Italy	93.61.234.188	Lombardy	
AS15557 SFR SA	Saint-Christophe-sur-Dolaison	France	93.27.174.29	Auvergne-Rhone-Alpes	43370
AS3320 Deutsche Telekom AG	Voerde	Germany	93.224.213.48	North Rhine-Westphalia	46562
AS3320 Deutsche Telekom AG	Grevenbroich	Germany	93.203.133.122	North Rhine-Westphalia	41515
AS9063 VSE NET GmbH	Sindelfingen	Germany	93.186.11.112	Baden-Württemberg Region	71069
AS44558 Netonline Bilisim Sirketi LTD	Istanbul	Turkey	93.182.89.202	Istanbul	
AS8767 M-net Telekommunikations GmbH	Munich	Germany	93.104.180.64	Bavaria	80796
AS15557 SFR SA	Les Andelys	France	92.93.28.39	Normandy	27700
AS3209 Vodafone GmbH	Berlin	Germany	92.77.221.252	Land Berlin	10117
AS3209 Vodafone GmbH	Kirchseeon	Germany	92.77.152.12	Bavaria	85614
AS3209 Vodafone GmbH	Stuttgart	Germany	92.74.201.83	Baden-Württemberg Region	70186
AS13285 TalkTalk	Bolton	United Kingdom	92.27.1.207	England	BL1
AS5089 Virgin Media Limited	Leven	United Kingdom	92.237.60.110	Scotland	KY8
AS3209 Vodafone GmbH	Munich	Germany	92.217.122.206	Bavaria	80992
AS3209 Vodafone GmbH	Munich	Germany	92.211.38.4	Bavaria	81249
AS3209 Vodafone GmbH	Frankfurt am Main	Germany	92.209.229.171	Hesse	
AS3209 Vodafone GmbH	Berlin	Germany	92.208.19.90	Land Berlin	10409
AS12479 Orange Espagne SA	Bilbao	Spain	92.187.160.131	Basque Country	48007
	Rennes	France	92.174.30.5	Brittany	
	Rennes	France	92.174.253.140	Brittany	
	Rennes	France	92.173.18.249	Brittany	
AS3215 Orange	Sens	France	92.148.157.164	Bourgogne-Franche-Comte	
AS5713 SAIX-NET	Frankfurt am Main	Germany	92.122.109.122	Hesse	
AS3303 Swisscom (Switzerland) Ltd	Montreux	Switzerland	92.105.14.116	Vaud	1820
AS9145 EWE-Tel GmbH	Papenburg	Germany	91.97.150.78	Lower Saxony	26871
AS29562 Kabel BW	Freiburg	Germany	91.89.218.13	Baden-Württemberg Region	79110

AS3320 Deutsche Telekom AG	Hof	Germany	91.62.251.128	Bavaria	95030
AS3320 Deutsche Telekom AG	Warmensteinach	Germany	91.53.26.34	Bavaria	95485
AS3320 Deutsche Telekom AG	Hildburghausen	Germany	91.53.250.46	Thuringia	98646
AS57912 Asyst EOOD	Montana	Bulgaria	91.236.144.110	Oblast Montana	3400
	Ankara	Turkey	91.188.252.10	Ankara	
	Istanbul	Turkey	91.188.200.123	Istanbul	
AS3320 Deutsche Telekom AG	Meschede	Germany	91.16.128.74	North Rhine-Westphalia	59872
AS16276 OVH SAS	Varenes	France	91.134.74.14	Picardie	
AS6830 Liberty Global Operations B.V.	Vienna	Austria	91.118.115.142	Vienna	1040
AS8447 A1 Telekom Austria AG	Feldkirchen in Kärnten (Untere Glan)	Austria	91.113.132.124	Carinthia	
AS58310 teleport LLC	Izhevsk	Russia	91.109.227.205	Udmurtskaya Respublika	426019
AS62255 Asmunda New Media Ltd.	Frankfurt am Main	Germany	91.108.81.227	Hesse	60313
AS57858 Inter Connects Inc	Stockholm	Sweden	91.108.179.181	Stockholm	
	Rennes	France	90.64.185.89	Brittany	
AS5607 Sky UK Limited	Birmingham	United Kingdom	90.222.144.252	England	B15
AS5607 Sky UK Limited	Coventry	United Kingdom	90.221.238.191	England	CV5
AS5607 Sky UK Limited	Northampton	United Kingdom	90.212.41.122	England	NN1
AS5607 Sky UK Limited	Coventry	United Kingdom	90.205.21.31	England	CV5
AS5607 Sky UK Limited	Sheffield	United Kingdom	90.202.41.138	England	S11
AS5607 Sky UK Limited	Woking	United Kingdom	90.195.225.18	England	GU22
	Durham (Research Triangle Park)	United States	9.97.45.245	North Carolina	
	Durham (Research Triangle Park)	United States	9.97.129.106	North Carolina	
	Durham (Research Triangle Park)	United States	9.94.125.248	North Carolina	
	Durham (Research Triangle Park)	United States	9.91.89.9	North Carolina	
	Durham (Research Triangle Park)	United States	9.82.152.94	North Carolina	
	Durham (Research Triangle Park)	United States	9.76.240.69	North Carolina	
	Beverly Hills	United States	9.71.147.21	California	90210
	Durham (Research Triangle Park)	United States	9.67.43.58	North Carolina	
	Durham (Research Triangle Park)	United States	9.63.121.228	North Carolina	
	Durham (Research Triangle Park)	United States	9.5.221.247	North Carolina	

	Durham (Research Triangle Park)	United States	9.46.234.2	North Carolina	
	Wilson	United States	9.44.71.7	North Carolina	27893
	Durham (Research Triangle Park)	United States	9.42.8.134	North Carolina	
	Durham (Research Triangle Park)	United States	9.4.88.217	North Carolina	
	Durham (Research Triangle Park)	United States	9.35.107.102	North Carolina	
	Durham (Research Triangle Park)	United States	9.34.141.133	North Carolina	
	Durham (Research Triangle Park)	United States	9.3.166.159	North Carolina	
	Durham (Research Triangle Park)	United States	9.227.164.35	North Carolina	
	Durham (Research Triangle Park)	United States	9.219.219.208	North Carolina	
	Durham (Research Triangle Park)	United States	9.21.14.244	North Carolina	
	Durham (Research Triangle Park)	United States	9.207.202.155	North Carolina	
	Durham (Research Triangle Park)	United States	9.205.58.97	North Carolina	
	Durham (Research Triangle Park)	United States	9.182.189.186	North Carolina	
	Durham (Research Triangle Park)	United States	9.182.157.31	North Carolina	
	Durham (Research Triangle Park)	United States	9.182.155.157	North Carolina	
	Durham (Research Triangle Park)	United States	9.179.21.253	North Carolina	
	Durham (Research Triangle Park)	United States	9.17.232.219	North Carolina	
	Durham (Research Triangle Park)	United States	9.17.135.164	North Carolina	
	Durham (Research Triangle Park)	United States	9.157.152.116	North Carolina	
	Durham (Research Triangle Park)	United States	9.154.177.152	North Carolina	
	Durham (Research Triangle Park)	United States	9.15.176.115	North Carolina	
	Durham (Research Triangle Park)	United States	9.146.254.29	North Carolina	
	Durham (Research Triangle Park)	United States	9.140.236.120	North Carolina	
	Durham (Research Triangle Park)	United States	9.134.79.206	North Carolina	
	Durham (Research Triangle Park)	United States	9.13.62.69	North Carolina	



	Durham (Research Triangle Park)	United States	9.121.13.52	North Carolina	
	Durham (Research Triangle Park)	United States	9.102.202.43	North Carolina	
AS6830 Liberty Global Operations B.V.	Amsterdam	Netherlands	89.98.53.203	North Holland	1104
AS12874 Fastweb	Milan	Italy	89.96.108.169	Lombardy	20128
AS62235 Albacete Sistemas y Servicios SL	Las Mesas	Spain	89.45.220.130	Castille-La Mancha	16650
AS48159 Telecommunication Infrastructure Company	Zahedan	Iran	89.36.109.73	Fars	
	Orhei	Republic of Moldova	89.32.241.3	Orhei	MD-3504
AS21502 SFR SA	Sarreguemines	France	89.3.59.61	Grand-Est	57200
AS41535 Rusonyx, Ltd.	Moscow (Northern Administrative Okrug)	Russia	89.253.236.55	Moscow	
AS12389 PJSC Rostelecom	Yelabuga	Russia	89.248.113.226	Tatarstan	423606
AS29076 Filanco, Ltd.	Moscow	Russia	89.188.107.77	Moscow	
AS13045 htp GmbH	Wedemark	Germany	89.182.181.107	Lower Saxony	30900
AS6830 Liberty Global Operations B.V.	Teplice	Czechia	89.176.29.130	Ustecky kraj	415 01
AS6739 Vodafone Ono, S.A.	Cartagena	Spain	89.141.177.225	Murcia	30202
AS6805 Telefonica Germany	Frankfurt am Main	Germany	89.14.30.112	Hesse	60313
AS6805 Telefonica Germany	Nierstein	Germany	89.13.108.161	Rheinland-Pfalz	55283
AS12353 Vodafone Portugal - Comunicacoes Pessoais S.A.	Paços de Ferreira	Portugal	89.114.13.79	Porto	4590-174
AS3352 Telefonica De Espana	Sabadell	Spain	88.9.118.203	Catalonia	08200
AS39447 Zertia Telecomunicaciones S.L.	Madrid	Spain	88.87.137.156	Madrid	28021
AS3209 Vodafone GmbH	Karlsruhe	Germany	88.73.126.244	Baden-Württemberg Region	76227
AS3352 Telefonica De Espana	Mataró	Spain	88.24.186.26	Catalonia	08300
AS3352 Telefonica De Espana	San Cristóbal de La Laguna	Spain	88.23.108.182	Canary Islands	38108
AS35575 Vaioni Group Ltd	Stockport	United Kingdom	88.211.102.93	England	SK1
AS56329 Gigaclear PLC	Milton Keynes	United Kingdom	88.202.244.15	England	MK17
AS12322 Free SAS	Paris	France	88.191.167.22	Île-de-France	75018
AS12322 Free SAS	Mitry-Mory	France	88.179.168.159	Île-de-France	77290
AS12322 Free SAS	L'Union	France	88.165.117.203	Occitanie	31240
AS8228 SFR SA	Ferel	France	88.142.149.53	Brittany	56130
AS3352 Telefonica De Espana	Puerto del Rosario	Spain	88.13.184.248	Canary Islands	35600
AS12322 Free SAS	Haverskerque	France	88.127.112.116	Hauts-de-France	59660
AS3352 Telefonica De Espana	Barcelona	Spain	88.12.18.167	Catalonia	08001
AS3292 Tele Danmark	Saeby	Denmark	87.56.186.117	North Denmark	9300
AS35810 Big Telecom Jsc	Khimki	Russia	87.255.31.194	Moscow Oblast	141400

AS3320 Deutsche Telekom AG	Geesthacht	Germany	87.170.160.248	Schleswig-Holstein	21502
AS3320 Deutsche Telekom AG	Langenhagen	Germany	87.145.204.52	Lower Saxony	30853
AS15557 SFR SA	Castres	France	86.71.174.132	Occitanie	81100
AS15557 SFR SA	Paris	France	86.65.81.71	Île-de-France	
AS5466 Eircom	Dublin	Ireland	86.42.67.169	Leinster	D02
AS5089 Virgin Media Limited	Aldershot	United Kingdom	86.24.198.4	England	GU12
AS8708 RCS & RDS	Bucharest	Romania	86.127.241.159	Bucuresti	050019
AS39007 UAB Balticum TV	Vilnius	Republic of Lithuania	86.100.201.59	Vilnius	01001
AS12479 Orange Espagne SA	Seville	Spain	85.53.27.77	Andalusia	41005
AS12479 Orange Espagne SA	Palma	Spain	85.49.19.122	Balearic Islands	07001
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Praia da Vitoria	Portugal	85.240.114.74	Azores	9760-431
AS6724 Strato AG	Berlin	Germany	85.214.143.2	Land Berlin	12529
AS6805 Telefonica Germany	Hamburg	Germany	85.178.163.153	Hamburg	20095
AS1136 KPN B.V.	Stieltjeskanaal	Netherlands	84.87.150.52	Provincie Drenthe	7756
AS8228 SFR SA	Suce-sur-Erdre	France	84.6.234.254	Pays de la Loire	44240
AS9143 Ziggo	Heerlen	Netherlands	84.29.28.201	Limburg	6412
AS41164 Get AS	Oslo	Norway	84.208.210.199	Oslo County	0001
AS3320 Deutsche Telekom AG	Weilheim	Germany	84.191.25.26	Bavaria	82362
AS3320 Deutsche Telekom AG	Bonn	Germany	84.176.231.7	North Rhine-Westphalia	53127
AS3320 Deutsche Telekom AG	Kirchberg	Germany	84.155.210.111	Saxony	08107
AS3320 Deutsche Telekom AG	Botzingen	Germany	84.152.95.14	Baden-Württemberg Region	79268
AS3320 Deutsche Telekom AG	Rimpar	Germany	84.149.238.134	Bavaria	97222
AS3320 Deutsche Telekom AG	Lohne	Germany	84.143.101.9	Lower Saxony	49393
AS6739 Vodafone Ono, S.A.	Albacete	Spain	84.121.62.85	Castille-La Mancha	02005
AS6739 Vodafone Ono, S.A.	Pilar de la Horadada	Spain	84.121.144.54	Valencia	03190
AS6830 Liberty Global Operations B.V.	Vienna	Austria	84.112.252.254	Vienna	1020
AS9143 Ziggo	Utrecht	Netherlands	83.83.10.171	Provincie Utrecht	3554
AS3352 Telefonica De Espana	Sabadell	Spain	83.63.142.176	Catalonia	08200
AS3352 Telefonica De Espana	Madrid	Spain	83.47.198.155	Madrid	28022
AS3352 Telefonica De Espana	Vitoria-Gasteiz	Spain	83.47.136.138	Basque Country	01005
AS3352 Telefonica De Espana	Sabadell	Spain	83.45.7.21	Catalonia	08202
AS3352 Telefonica De Espana	Ourense	Spain	83.37.241.22	Galicia	32071
AS3352 Telefonica De Espana	Madrid	Spain	83.37.181.57	Madrid	28043
AS20485 Closed Joint Stock Company TransTeleCom	Maykop	Russia	83.234.195.141	Respublika Adygeya	385012
AS42318 FastBit AB	Lidköping	Sweden	83.223.10.197	Västra Götaland	531 02
AS5610 O2 Czech Republic, a.s.	Bucovice	Czechia	83.208.19.220	South Moravian	685 01
AS8866 Vivacom	Sofia	Bulgaria	83.148.68.74	Sofia-Capital	1000

	Marseille	France	82.96.182.191	Provence-Alpes-Côte d'Azur	
AS8708 RCS & RDS	Sibiu	Romania	82.76.118.201	Judetul Sibiu	550046
AS3269 Telecom Italia	Milan	Italy	82.52.55.186	Lombardy	20128
AS5089 Virgin Media Limited	Epsom	United Kingdom	82.39.133.205	England	KT17
AS5089 Virgin Media Limited	Edgware	United Kingdom	82.31.32.99	England	HA8
AS5089 Virgin Media Limited	Derby	United Kingdom	82.3.145.44	England	DE22
AS5089 Virgin Media Limited	Swinton	United Kingdom	82.29.10.15	England	M27
AS12322 Free SAS	Montpellier	France	82.251.249.209	Occitanie	34000
AS12322 Free SAS	Saint-Etienne-de-Valoux	France	82.247.32.132	Auvergne-Rhone-Alpes	42100
AS12322 Free SAS	Melun	France	82.244.234.7	Île-de-France	77000
AS12322 Free SAS	Rueil-Malmaison	France	82.237.173.113	Île-de-France	92500
AS12322 Free SAS	Montpellier	France	82.231.28.244	Occitanie	34000
AS12322 Free SAS	Rennes	France	82.225.70.174	Brittany	35000
AS31400 Accelerated IT Services GmbH	Sexau	Germany	82.211.15.118	Baden-Württemberg Region	
AS5089 Virgin Media Limited	Oldham	United Kingdom	82.19.22.62	England	OL1
AS6739 Vodafone Ono, S.A.	Madrid	Spain	82.158.22.203	Madrid	28022
AS20860 iomart Cloud Services Limited.	Leicester	United Kingdom	82.145.53.204	England	LE1
AS8544 Primetel PLC	Aglantziá	Cyprus	82.102.81.217	Nicosia	
AS5089 Virgin Media Limited	Liverpool	United Kingdom	82.1.96.247	England	L3
AS5089 Virgin Media Limited	Brighton	United Kingdom	81.97.237.6	England	BN2
AS28683 Office des Postes et telecommunications du Benin	Cotonou	Benin	81.91.238.39	Littoral	
AS9105 Tiscali UK Limited	London	United Kingdom	81.86.203.242	England	
AS12322 Free SAS	Le Plessis-Robinson	France	81.57.158.51	Île-de-France	92350
	Cesson-Sévigné	France	81.52.61.184	Brittany	
AS24961 myLoc managed IT AG	Dusseldorf (Stadtbezirke 06)	Germany	81.30.158.105	North Rhine-Westphalia	
AS39273 Kalaam Telecom Bahrain B.S.C.	Manama	Bahrain	81.22.23.86	Manama	
AS6848 Telenet BVBA	Kapellen	Belgium	81.165.11.152	Flanders	2950
AS5089 Virgin Media Limited	Croydon	United Kingdom	81.105.183.94	England	CR2
AS5089 Virgin Media Limited	Coventry	United Kingdom	81.102.243.7	England	CV6
AS6830 Liberty Global Operations B.V.	Nyiregyhaza	Hungary	80.99.152.232	Szabolcs-Szatmár-Bereg	4400

AS13237 euNetworks Managed Services GmbH	Wuppertal	Germany	80.86.174.26	North Rhine-Westphalia	42111
AS2119 Telenor Norge AS	Ålesund	Norway	80.213.128.120	More og Romsdal fylke	6011
AS3 Massachusetts Institute of Technology	Liège	Belgium	80.201.114.74	Wallonia	4020
AS3320 Deutsche Telekom AG	Gera	Germany	80.137.199.41	Thuringia	07549
AS3320 Deutsche Telekom AG	Oelde	Germany	80.135.214.163	North Rhine-Westphalia	59302
AS3320 Deutsche Telekom AG	Magdeburg	Germany	80.129.206.192	Saxony-Anhalt	39108
AS3215 Orange	Paris	France	80.11.46.117	Île-de-France	
AS6830 Liberty Global Operations B.V.	Vienna	Austria	80.108.248.142	Vienna	1070
AS3269 Telecom Italia	Cittanova	Italy	80.104.203.236	Calabria	89022
AS3356 Level 3 Communications, Inc.	Newark	United States	8.221.70.236	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.213.183.206	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.189.6.12	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.185.71.107	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.185.44.123	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.171.36.136	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.167.114.246	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.151.79.117	New Jersey	
AS3356 Level 3 Communications, Inc.	Newark	United States	8.141.93.86	New Jersey	
AS3269 Telecom Italia	Brescia	Italy	79.50.99.220	Lombardy	25125
AS3269 Telecom Italia	Acquafredda	Italy	79.46.118.57	Calabria	88046
AS3269 Telecom Italia	Lentini	Italy	79.43.106.12	Sicily	96013
AS3269 Telecom Italia	Milan	Italy	79.37.186.18	Lombardy	20128
AS3320 Deutsche Telekom AG	Solingen	Germany	79.232.35.92	North Rhine-Westphalia	42657
AS3352 Telefonica De Espana	Granada	Spain	79.147.171.103	Andalusia	18015
AS3352 Telefonica De Espana	Collado Villalba	Spain	79.147.130.121	Madrid	28400
AS29053 Telenet Ltd.	Moscow	Russia	79.143.72.181	Moscow	117312
	Saint-Denis	France	79.141.163.142	Île-de-France	
AS25513 OJS Moscow city telephone network	Moscow	Russia	79.139.241.213	Moscow	102128
	Gorzów Wielkopolski	Poland	79.139.104.231	Lubusz	
AS15658 Digit One LLC	Klimovsk	Russia	79.134.86.53	Moscow Oblast	142181
AS8708 RCS & RDS	Târgu Jiu	Romania	79.117.232.101	Gorj	210146
AS3301 Telia Company AB	Lyckeby	Sweden	78.77.147.207	Blekinge	371 63
AS6805 Telefonica Germany	Berlin	Germany	78.51.222.9	Land Berlin	12045
AS8422 NetCologne GmbH	Cologne	Germany	78.34.11.193	North Rhine-Westphalia	50823
AS44124 Rybnet Sp. z o.o. Sp. k.	Rybnik	Poland	78.31.140.228	Silesia	44-200
AS12322 Free SAS	Guilers	France	78.238.249.68	Brittany	29820
AS12322 Free SAS	Calais	France	78.232.220.204	Hauts-de-France	62100
AS12322 Free SAS	Saint-Denis	France	78.225.116.207	Île-de-France	93200
AS12322 Free SAS	Le Cateau-Cambresis	France	78.219.231.131	Hauts-de-France	59360

AS12322 Free SAS	Pontarlier	France	78.216.222.193	Bourgogne-Franche-Comte	25300
AS12322 Free SAS	Senonches	France	78.216.101.44	Centre-Val de Loire	28250
AS12322 Free SAS	Aniche	France	78.209.12.199	Hauts-de-France	59580
AS2110 BT Communications Ireland Limited	Dublin	Ireland	78.19.107.218	Leinster	
AS9121 Turk Telekom	Ankara	Turkey	78.186.25.161	Ankara	06450
AS2110 BT Communications Ireland Limited	Dublin (Citywest)	Ireland	78.18.192.244	Leinster	
AS9121 Turk Telekom	Samsun	Turkey	78.170.236.184	Samsun	
AS8612 Tiscali SpA	Palermo	Italy	78.15.33.147	Sicily	90145
AS8228 SFR SA	Le Born	France	78.124.38.92	Occitanie	31340
AS6830 Liberty Global Operations B.V.	Brno	Czechia	78.102.80.129	South Moravian	614 00
AS2111 SkyNet Group Ltd.	Varna	Bulgaria	77.71.98.202	Varna	9000
AS42610 PJSC Rostelecom	Moscow	Russia	77.37.234.96	Moscow	102128
	Moscow	Russia	77.247.44.13	Moscow	
AS47493 WMS s.r.o.	Most	Czechia	77.237.154.121	Ustecky kraj	434 01
AS15557 SFR SA	Gommerville	France	77.201.115.135	Normandy	76430
AS15557 SFR SA	Pornichet	France	77.148.115.159	Pays de la Loire	44380
AS15557 SFR SA	La Montagne	France	77.148.103.231	Pays de la Loire	44620
AS6805 Telefonica Germany	Berlin	Germany	77.14.51.234	Land Berlin	12529
AS7922 Comcast Cable Communications, LLC	Philadelphia	United States	76.99.21.177	Pennsylvania	19123
	San Francisco	United States	76.78.105.136	California	94132
	Raleigh	United States	76.59.186.172	North Carolina	
	Newark	United States	76.55.202.100	New Jersey	
	Kansas City (Argentine)	United States	76.43.131.2	Kansas	
	Newark	United States	76.42.162.76	New Jersey	
	Greenfield	United States	76.37.32.233	Illinois	
	Milwaukee	United States	76.35.236.103	Wisconsin	
	Kenosha	United States	76.35.149.110	Wisconsin	
AS7922 Comcast Cable Communications, LLC	Willowbrook	United States	76.29.71.219	Illinois	60527
AS11427 Time Warner Cable Internet LLC	McKinney	United States	76.183.186.149	Texas	75071
AS11351 Time Warner Cable Internet LLC	Dunkirk	United States	76.180.14.222	New York	14048
AS7922 Comcast Cable Communications, LLC	Canton	United States	76.17.2.221	Georgia	30114
	Bellevue (Lake Hills)	United States	75.93.36.77	Washington	
AS10796 Time Warner Cable Internet LLC	Thiensville	United States	75.86.211.83	Wisconsin	53092
AS10796 Time Warner Cable Internet LLC	Pleasant Prairie	United States	75.86.199.182	Wisconsin	53158

AS20001 Time Warner Cable Internet LLC	Palm Desert	United States	75.80.226.39	California	92255
AS209 Qwest Communications Company, LLC	Saint Paul	United States	75.168.20.192	Minnesota	55112
AS7922 Comcast Cable Communications, LLC	Tallahassee	United States	75.149.235.134	Florida	32303
AS7922 Comcast Cable Communications, LLC	Brewster	United States	75.144.170.122	New York	10509
AS20115 Charter Communications	Alexander City	United States	75.137.69.90	Alabama	35010
	Newark	United States	75.123.24.226	New Jersey	
AS7922 Comcast Cable Communications, LLC	Fort Lauderdale	United States	74.92.202.222	Florida	33323
AS11351 Time Warner Cable Internet LLC	Schenectady	United States	74.76.51.97	New York	12302
AS5650 Frontier Communications of America, Inc.	Hamburg	United States	74.40.179.182	Illinois	62045
AS7922 Comcast Cable Communications, LLC	Houston	United States	73.76.20.78	Texas	77047
AS7922 Comcast Cable Communications, LLC	Spring	United States	73.55.168.229	Texas	77379
AS7922 Comcast Cable Communications, LLC	Tallahassee	United States	73.42.16.226	Florida	32312
AS7922 Comcast Cable Communications, LLC	Bridgewater	United States	73.4.201.145	Massachusetts	02324
AS7922 Comcast Cable Communications, LLC	Saint Paul	United States	73.37.218.132	Minnesota	55130
AS7922 Comcast Cable Communications, LLC	Madison Heights	United States	73.31.77.115	Virginia	24572
AS7922 Comcast Cable Communications, LLC	Wallingford	United States	73.30.27.13	Pennsylvania	19086
AS7922 Comcast Cable Communications, LLC	Pearland	United States	73.255.57.209	Texas	77581
AS7922 Comcast Cable Communications, LLC	Denver	United States	73.243.101.230	Colorado	80238
AS7922 Comcast Cable Communications, LLC	Bloomfield	United States	73.196.81.187	New Jersey	07003
AS7922 Comcast Cable Communications, LLC	Ridgefield	United States	73.186.106.237	Connecticut	06877
AS7922 Comcast Cable Communications, LLC	Chicago	United States	73.176.10.9	Illinois	60617
AS7922 Comcast Cable Communications, LLC	Washington	United States	73.132.148.144	District of Columbia	20019
AS7922 Comcast Cable Communications, LLC	Knoxville	United States	73.120.27.239	Tennessee	37917
AS7922 Comcast Cable Communications, LLC	Winchester	United States	73.12.66.38	Virginia	22602
AS7922 Comcast Cable Communications, LLC	West Palm Beach	United States	73.0.14.238	Florida	33409

AS7922 Comcast Cable Communications, LLC	West Palm Beach	United States	73.0.138.147	Florida	33409
AS6181 Cincinnati Bell Telephone Company LLC	Hamilton	United States	72.49.176.218	Ohio	45013
AS20940 Akamai International B.V.	Cambridge	United States	72.246.216.15	Massachusetts	02142
AS18566 MegaPath Corporation	San Jose (North San Jose)	United States	72.244.242.152	California	
AS36149 Hawaiian Telcom Services Company, Inc.	Ewa Beach	United States	72.234.227.163	Hawaii	96706
AS22773 Cox Communications Inc.	San Diego	United States	72.220.127.184	California	92154
AS22773 Cox Communications Inc.	Tulsa	United States	72.204.210.20	Oklahoma	74136
AS11427 Time Warner Cable Internet LLC	Weslaco	United States	72.180.131.225	Texas	78599
AS7018 AT&T; Services, Inc.	Cataula	United States	72.149.85.197	Georgia	31804
AS7922 Comcast Cable Communications, LLC	West Mifflin	United States	71.60.244.162	Pennsylvania	15122
AS209 Qwest Communications Company, LLC	Las Vegas	United States	71.38.27.219	Nevada	89178
AS209 Qwest Communications Company, LLC	Spokane	United States	71.32.7.205	Washington	99208
AS7922 Comcast Cable Communications, LLC	Portland	United States	71.236.172.247	Oregon	97202
AS209 Qwest Communications Company, LLC	Tallahassee	United States	71.220.143.125	Florida	32301
AS209 Qwest Communications Company, LLC	Mount Vernon	United States	71.213.209.77	Ohio	43050
AS7922 Comcast Cable Communications, LLC	Buellton	United States	71.202.4.185	California	93427
AS7922 Comcast Cable Communications, LLC	Rohnert Park	United States	71.198.247.131	California	94928
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Morrisville	United States	71.175.96.156	Pennsylvania	19067
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Philadelphia	United States	71.162.204.56	Pennsylvania	19130
AS6327 Shaw Communications Inc.	Saskatoon	Canada	70.64.79.97	Saskatchewan	S7L
AS33363 BRIGHT HOUSE NETWORKS, LLC	Farmington	United States	70.62.62.245	Michigan	48335
AS10796 Time Warner Cable Internet LLC	Dayton	United States	70.62.38.217	Ohio	45429
AS13977 FAIRPOINT COMMUNICATIONS, INC.	Essex Junction	United States	70.20.43.113	Vermont	05452
AS11427 Time Warner Cable Internet LLC	Austin	United States	70.123.53.83	Texas	78750
AS11427 Time Warner Cable Internet LLC	San Antonio	United States	70.114.33.21	Texas	78222
	Columbus (East Columbus)	United States	7.98.154.97	Ohio	
	Columbus (East Columbus)	United States	7.96.127.213	Ohio	
	Columbus (East Columbus)	United States	7.82.30.143	Ohio	

	Columbus (East Columbus)	United States	7.62.98.246	Ohio	
	Columbus (East Columbus)	United States	7.58.49.89	Ohio	
	Columbus (East Columbus)	United States	7.56.177.21	Ohio	
	Columbus (East Columbus)	United States	7.49.241.193	Ohio	
	Columbus (East Columbus)	United States	7.30.249.135	Ohio	
	Columbus (East Columbus)	United States	7.226.133.1	Ohio	
	Columbus (East Columbus)	United States	7.215.76.163	Ohio	
	Columbus (East Columbus)	United States	7.206.179.206	Ohio	
	Columbus (East Columbus)	United States	7.203.207.182	Ohio	
	Columbus (East Columbus)	United States	7.193.226.207	Ohio	
	Chicago	United States	7.18.10.43	Illinois	60644
	Columbus (East Columbus)	United States	7.172.55.109	Ohio	
	Columbus (East Columbus)	United States	7.128.139.155	Ohio	
	Columbus (East Columbus)	United States	7.106.121.112	Ohio	
	Columbus (East Columbus)	United States	7.104.64.48	Ohio	
AS19331 Twin Lakes Telephone Cooperative Corporation	Livingston	United States	69.55.123.19	Tennessee	38570
	New York	United States	69.187.103.177	New York	10022
AS22561 CenturyTel Internet Holdings, Inc.	Wright City	United States	69.179.151.177	Missouri	63390
AS7922 Comcast Cable Communications, LLC	Philadelphia	United States	69.136.65.241	Pennsylvania	19147
AS7922 Comcast Cable Communications, LLC	Tallahassee	United States	68.63.3.107	Florida	32311
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Kutztown	United States	68.238.195.55	Pennsylvania	19530
	Newark	United States	68.236.66.83	New Jersey	
	Sunnyvale	United States	68.180.136.3	California	94089
	Ashburn	United States	68.139.69.215	Virginia	20147
	Ashburn	United States	68.138.123.198	Virginia	20147
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	New York	United States	68.132.222.7	New York	10007
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Brooklyn	United States	68.129.86.211	New York	11201
AS7018 AT&T; Services, Inc.	Los Angeles	United States	68.127.77.187	California	
AS22773 Cox Communications Inc.	Roanoke	United States	68.111.7.110	Virginia	24018
AS33363 BRIGHT HOUSE NETWORKS, LLC	Oviedo	United States	67.8.31.34	Florida	32765
AS7385 Integra Telecom, Inc.	Phoenix	United States	67.51.142.113	Arizona	85040
AS6621 Hughes Network Systems	Newark	United States	67.45.227.108	New Jersey	
AS12271 Time Warner Cable Internet LLC	Tillson	United States	67.245.201.20	New York	12486
AS12271 Time Warner Cable Internet LLC	Woodbourne	United States	67.245.161.155	New York	12788



AS7922 Comcast Cable Communications, LLC	Saint Simons Island	United States	67.187.43.195	Georgia	31522
AS7922 Comcast Cable Communications, LLC	Tacoma	United States	67.185.237.48	Washington	98444
	Stockton	United States	67.150.222.42	California	95204
AS11426 Time Warner Cable Internet LLC	Wilmington	United States	66.56.201.167	North Carolina	28409
AS12175 Yelm Telephone Company	Yakima	United States	66.243.255.1	Washington	98902
AS7922 Comcast Cable Communications, LLC	Homestead	United States	66.229.30.159	Florida	33033
	Baltimore	United States	66.225.123.137	Maryland	21202
AS11693 HC Cable OPCO, LLC	Newnan	United States	66.216.194.91	Georgia	30263
AS10800 Internet Arena	Tampa	United States	66.206.25.10	Florida	33614
AS7459 Grande Communications Networks, LLC	Haltom City	United States	65.36.13.163	Texas	
AS10796 Time Warner Cable Internet LLC	Milwaukee	United States	65.30.183.138	Wisconsin	53219
AS33278 National Student Clearinghouse	Herndon	United States	65.202.239.136	Virginia	20171
AS11426 Time Warner Cable Internet LLC	Lumberton	United States	65.191.102.178	North Carolina	28358
	Melbourne	United States	65.18.227.49	Florida	32935
	Newark	United States	65.176.173.47	New Jersey	
AS11563 NetEnterprise Inc.	Honolulu	United States	64.29.67.205	Hawaii	96813
AS19515 Oricom Internet	Québec	Canada	64.18.187.186	Quebec	G1H
AS19194 Sentris Network LLC	Kenmore	United States	63.223.112.249	Washington	98028
AS6739 Vodafone Ono, S.A.	Pinto	Spain	62.83.100.59	Madrid	28320
AS6735 sdt.net AG	Schorndorf	Germany	62.68.23.221	Baden-Württemberg Region	73614
AS6739 Vodafone Ono, S.A.	Zaragoza	Spain	62.57.179.69	Aragon	50015
	Beijing	China	62.234.197.137	Beijing	
AS3320 Deutsche Telekom AG	Vechelde	Germany	62.226.143.19	Lower Saxony	38159
AS12876 Online S.a.s.	Vitry-sur-Seine	France	62.210.109.41	Île-de-France	
	Evere	Belgium	62.187.200.115	Brussels Capital	
	Nordborg	Denmark	62.184.64.150	South Denmark	
AS12874 Fastweb	Genoa	Italy	62.177.28.10	Liguria	16100
AS31055 Consultix GmbH	Bremen	Germany	62.168.204.208	Bremen	28195
AS3320 Deutsche Telekom AG	Frankfurt am Main	Germany	62.156.129.60	Hesse	
	Leeds	United Kingdom	62.137.185.51	England	
	Leeds	United Kingdom	62.136.101.86	England	
AS4766 Korea Telecom	Seoul	Republic of Korea	61.79.220.64	Seoul	

AS3462 Data Communication Business Group	Tainan City	Taiwan	61.216.48.107	Tainan	
AS4134 No.31,Jin-rong Street	Shangzhen	China	61.185.121.97	Shaanxi	
AS4837 CHINA UNICOM China169 Backbone	Harbin	China	61.167.182.5	Heilongjiang	
	Singapore	Singapore	61.13.135.5	Central Singapore Community Development Council	
AS17676 Softbank BB Corp.	Sagamihara	Japan	60.76.201.203	Kanagawa	252-0231
AS4788 TM Net, Internet Service Provider	Sungai Petani	Malaysia	60.50.56.245	Kedah	08000
AS3462 Data Communication Business Group	Taipei	Taiwan	60.250.66.147	Taipei City	
AS4837 CHINA UNICOM China169 Backbone	Linyi	China	60.213.90.159	Shandong	
AS4134 No.31,Jin-rong Street	Lishui	China	60.184.197.5	Zhejiang	
AS4134 No.31,Jin-rong Street	Hefei	China	60.168.201.18	Anhui	
AS17676 Softbank BB Corp.	Yokohama	Japan	60.144.58.142	Kanagawa	231-0005
AS17676 Softbank BB Corp.	Kawasaki	Japan	60.114.236.107	Kanagawa	210-0835
	Beverly Hills	United States	6.95.42.24	California	90210
	Fort Huachuca	United States	6.76.87.192	Arizona	85613
	Fort Huachuca	United States	6.76.43.194	Arizona	85613
	Fort Huachuca	United States	6.7.78.224	Arizona	85613
	Fort Huachuca	United States	6.52.231.221	Arizona	85613
	Fort Huachuca	United States	6.49.56.252	Arizona	85613
	Fort Huachuca	United States	6.254.9.136	Arizona	85613
	Fort Huachuca	United States	6.254.203.111	Arizona	85613
	Fort Huachuca	United States	6.254.157.167	Arizona	85613
	Fort Huachuca	United States	6.252.39.180	Arizona	85613
	Beverly Hills	United States	6.249.238.115	California	90210
	Fort Huachuca	United States	6.248.56.200	Arizona	85613
	Fort Huachuca	United States	6.242.122.187	Arizona	85613
	Fort Huachuca	United States	6.232.136.181	Arizona	85613
	Fort Huachuca	United States	6.226.30.247	Arizona	85613
	Sunnyvale	United States	6.223.14.225	California	94086
	Beverly Hills	United States	6.219.131.74	California	90209
	Fort Huachuca	United States	6.21.247.28	Arizona	85613
	Fort Huachuca	United States	6.21.240.28	Arizona	85613
	Fort Huachuca	United States	6.168.199.131	Arizona	85613
	Fort Huachuca	United States	6.165.89.46	Arizona	85613
	Fort Huachuca	United States	6.156.116.68	Arizona	85613
	Fort Huachuca	United States	6.154.114.139	Arizona	85613
	Fort Huachuca	United States	6.142.104.22	Arizona	85613

	Fort Huachuca	United States	6.139.254.114	Arizona	85613
	Fort Huachuca	United States	6.138.76.77	Arizona	85613
	Fort Huachuca	United States	6.136.8.156	Arizona	85613
	Fort Huachuca	United States	6.133.136.249	Arizona	85613
	Fort Huachuca	United States	6.122.53.222	Arizona	85613
	Fort Huachuca	United States	6.121.50.96	Arizona	85613
	Fort Huachuca	United States	6.120.172.40	Arizona	85613
	Fort Huachuca	United States	6.115.158.146	Arizona	85613
AS9829 National Internet Backbone	Hassan	India	59.94.151.112	Karnataka	573201
AS9829 National Internet Backbone	Bellary	India	59.92.240.84	Karnataka	583101
AS4134 No.31,Jin-rong Street	Shenzhen	China	59.37.42.33	Guangdong	
AS4766 Korea Telecom	Mokpo-si (Ogam-dong)	Republic of Korea	59.3.201.59	Jeollanam-do	
	Beijing	China	59.253.48.196	Beijing	
	Beijing	China	59.248.23.138	Beijing	
	Beijing	China	59.247.15.167	Beijing	
	Beijing	China	59.242.250.20	Beijing	
	Beijing	China	59.237.168.228	Beijing	
	Beijing	China	59.232.143.58	Beijing	
	Beijing	China	59.215.155.240	Beijing	
	Beijing	China	59.215.102.127	Beijing	
	Beijing	China	59.213.72.134	Beijing	
AS4134 No.31,Jin-rong Street	Wuhan	China	59.173.115.171	Hubei	
AS4755 TATA Communications formerly VSNL is Leading ISP	Pune	India	59.161.48.204	Maharashtra	411001
AS10013 FreeBit Co.,Ltd.	Tokyo	Japan	59.157.132.240	Tokyo	190-0031
AS10013 FreeBit Co.,Ltd.	Kiryu	Japan	59.156.225.34	Gunma	376-0005
AS4134 No.31,Jin-rong Street	Wuhan	China	58.49.243.123	Hubei	
AS17621 China Unicom Shanghai network	Shanghai	China	58.246.20.17	Shanghai	
AS9318 SK Broadband Co Ltd	Seongnam-si	Republic of Korea	58.230.57.204	Gyeonggi-do	
AS4750 CS LOXINFO PUBLIC COMPANY LIMITED	Khwaeng Huai Khwang	Thailand	58.136.223.35	Bangkok	
	Raleigh	United States	56.90.4.159	North Carolina	27668
	Raleigh	United States	56.82.222.210	North Carolina	27668
	Raleigh	United States	56.81.117.239	North Carolina	27668
	Raleigh	United States	56.77.9.162	North Carolina	27668
	Raleigh	United States	56.67.63.27	North Carolina	27668
	Raleigh	United States	56.65.55.170	North Carolina	27668
	Raleigh	United States	56.61.183.19	North Carolina	27668
	Raleigh	United States	56.55.65.67	North Carolina	27668

	Raleigh	United States	56.54.223.85	North Carolina	27668
	Raleigh	United States	56.42.119.92	North Carolina	27668
	Raleigh	United States	56.4.239.180	North Carolina	27668
	Raleigh	United States	56.253.70.111	North Carolina	27668
	Raleigh	United States	56.252.10.72	North Carolina	27668
	Raleigh	United States	56.249.57.13	North Carolina	27668
	Raleigh	United States	56.239.182.234	North Carolina	27668
	Raleigh	United States	56.230.44.208	North Carolina	27668
	Raleigh	United States	56.219.240.168	North Carolina	27668
	Beverly Hills	United States	56.208.5.129	California	90210
	Raleigh	United States	56.195.17.169	North Carolina	27668
	Raleigh	United States	56.193.145.70	North Carolina	27668
	Raleigh	United States	56.184.232.188	North Carolina	27668
	Raleigh	United States	56.164.135.203	North Carolina	27668
	Raleigh	United States	56.150.79.212	North Carolina	27668
	Raleigh	United States	56.150.242.148	North Carolina	27668
	Raleigh	United States	56.15.16.228	North Carolina	27668
	Raleigh	United States	56.147.85.231	North Carolina	27668
	Raleigh	United States	56.139.4.144	North Carolina	27668
	Raleigh	United States	56.134.134.98	North Carolina	27668
	Raleigh	United States	56.132.5.66	North Carolina	27668
	Raleigh	United States	56.123.220.225	North Carolina	27668
	Rahway	United States	54.58.71.9	New Jersey	
	Clifton	United States	54.33.216.11	New Jersey	07012
	Seattle	United States	54.240.118.72	Washington	98144
AS16509 Amazon.com, Inc.	Seattle	United States	54.230.250.201	Washington	98108
	Woodbridge	United States	54.19.188.193	New Jersey	07095
	Woodbridge	United States	54.15.255.144	New Jersey	07095
	Woodbridge	United States	54.139.171.190	New Jersey	07095
	Woodbridge	United States	54.120.133.167	New Jersey	07095
	Woodbridge	United States	54.104.69.231	New Jersey	07095
	Woodbridge	United States	54.104.153.21	New Jersey	07095
AS16509 Amazon.com, Inc.	Dublin	Ireland	52.211.26.185	Leinster	D02
	Birchwood	United Kingdom	51.82.88.224	England	
	Birchwood	United Kingdom	51.81.142.37	England	
	Birchwood	United Kingdom	51.59.121.157	England	
	Birchwood	United Kingdom	51.57.132.160	England	

	Birchwood	United Kingdom	51.33.63.2	England	
	Rochdale	United Kingdom	51.250.83.15	England	
	Birchwood	United Kingdom	51.242.16.38	England	
	Birchwood	United Kingdom	51.240.30.154	England	
	Birchwood	United Kingdom	51.239.82.214	England	
	Birchwood	United Kingdom	51.224.23.203	England	
AS25019 Saudi Telecom Company JSC	Dammam	Saudi Arabia	51.223.116.67	Eastern Province	
	Rochdale	United Kingdom	51.219.245.177	England	
	Birchwood	United Kingdom	51.209.100.197	England	
	Birchwood	United Kingdom	51.207.160.157	England	
	Birchwood	United Kingdom	51.204.51.123	England	
	London (Easynet Ltd)	United Kingdom	51.187.6.240	England	
	London (Easynet Ltd)	United Kingdom	51.183.159.247	England	
	Birchwood	United Kingdom	51.180.51.137	England	
	Birchwood	United Kingdom	51.117.205.126	England	
AS30036 Mediacom Communications Corp	Ottumwa	United States	50.82.17.248	Iowa	52501
AS6181 Cincinnati Bell Telephone Company LLC	Latonia	United States	50.5.78.2	Kentucky	41015
AS5650 Frontier Communications of America, Inc.	Carbondale	United States	50.45.17.130	Illinois	62901
AS7922 Comcast Cable Communications, LLC	Washington	United States	50.253.35.122	District of Columbia	20001
AS7922 Comcast Cable Communications, LLC	Northbrook	United States	50.196.221.22	Illinois	60062
	Whitehorse	Canada	50.117.221.115	Yukon	
AS5607 Sky UK Limited	Glasgow	United Kingdom	5.68.207.133	Scotland	G42
AS201746 Olivenet Network S.L.	Marbella	Spain	5.59.76.166	Andalusia	29670
AS43120 Lanet Network Ltd	Ternopil	Ukraine	5.58.32.122	Ternopil's'ka Oblast'	46023
AS51604 JSC ER-Telecom Holding	Yekaterinburg	Russia	5.166.52.175	Sverdlovskaya Oblast'	620019
AS12931 IDKOM Networks GmbH	Markt Rettenbach	Germany	5.154.163.248	Bavaria	87733
AS6830 Liberty Global Operations B.V.	Düren	Germany	5.146.116.158	North Rhine-Westphalia	52355

AS31200 Novotelecom Ltd	Novosibirsk	Russia	5.128.108.59	Novosibirskaya Oblast'	630004
AS199610 marbis GmbH	Karlsruhe (Grünwinkel)	Germany	5.101.160.4	Baden-Württemberg	
AS4134 No.31,Jin-rong Street	Nanjing	China	49.91.159.14	Jiangsu	
	Suwon-si (Gyeongsu-daero 338beon-gil)	Republic of Korea	49.50.160.80	Gyeonggi-do	
	Beijing	China	49.5.75.225	Beijing	
AS24164 YEONG JIA LEH CABLE TV CO., LTD.	Taipei	Taiwan	49.159.103.162	Taipei City	
AS9762 HYUNDAI COMMUNICATIONS & NETWORK	Busan (Oncheon 1(il)-dong)	Republic of Korea	49.142.100.223	Busan	
	New Delhi	India	49.14.157.191	National Capital Territory of Delhi	
AS55831 Aircel Ltd.	Shillong	India	49.136.155.211	Meghalaya	793018
	Chennai (Anna Salai)	India	49.13.210.82	Tamil Nadu	
	Tokyo	Japan	49.105.103.92	Tokyo	190-0031
	Newark	United States	48.94.181.25	New Jersey	07102
	Newark	United States	48.88.62.160	New Jersey	07102
	Newark	United States	48.82.97.57	New Jersey	07102
	Newark	United States	48.8.107.67	New Jersey	07102
	Newark	United States	48.53.192.39	New Jersey	07102
	Newark	United States	48.35.8.22	New Jersey	07102
	Newark	United States	48.253.217.131	New Jersey	07102
	Newark	United States	48.232.75.94	New Jersey	07102
	Newark	United States	48.23.147.85	New Jersey	07102
	Newark	United States	48.226.117.117	New Jersey	07102
	Newark	United States	48.224.59.119	New Jersey	07102
	Newark	United States	48.195.50.34	New Jersey	07102
	Newark	United States	48.195.33.168	New Jersey	07102
	Newark (Central Business District)	United States	48.189.37.184	New Jersey	
	Newark	United States	48.171.236.230	New Jersey	07102
	Newark	United States	48.170.13.119	New Jersey	07102
	Newark	United States	48.119.251.45	New Jersey	07102
	Newark	United States	48.115.6.130	New Jersey	07102
	Newark	United States	48.108.59.43	New Jersey	07102
	Newark	United States	48.106.156.67	New Jersey	07102
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	47.95.176.198	Zhejiang	
	San Mateo	United States	47.87.200.235	California	94402
	San Mateo	United States	47.82.55.86	California	94402
AS12430 Vodafone Spain	Madrid	Spain	47.61.41.35	Madrid	28002
AS12430 Vodafone Spain	Madrid	Spain	47.60.126.76	Madrid	28001
	Ottawa (Nepean)	Canada	47.6.243.233	Ontario	

AS20115 Charter Communications	Madison	United States	47.41.152.107	Wisconsin	53704
	Ottawa (Nepean)	Canada	47.28.114.101	Ontario	
	Ottawa	Canada	47.255.37.196	Ontario	K2H
	San Mateo	United States	47.246.175.161	California	94402
	San Mateo	United States	47.243.239.57	California	94402
	San Mateo	United States	47.238.125.81	California	94402
	Ottawa (Nepean)	Canada	47.231.232.9	Ontario	
AS5650 Frontier Communications of America, Inc.	Bradenton	United States	47.201.26.189	Florida	34212
AS5650 Frontier Communications of America, Inc.	Odessa	United States	47.198.20.76	Florida	33556
	Tampa (Downtown)	United States	47.194.6.245	Florida	
AS5650 Frontier Communications of America, Inc.	Los Angeles	United States	47.158.210.103	California	
AS5650 Frontier Communications of America, Inc.	Palos Verdes Estates	United States	47.153.132.163	California	90274
AS5650 Frontier Communications of America, Inc.	Hesperia	United States	47.137.96.64	California	92345
	Ottawa	Canada	47.128.137.167	Ontario	K2H
	Hangzhou	China	47.115.168.195	Zhejiang	
	Hangzhou	China	47.110.22.241	Zhejiang	
AS3320 Deutsche Telekom AG	Dortmund	Germany	46.81.62.252	North Rhine-Westphalia	44139
AS51438 Boly city local government	Boly	Hungary	46.29.140.18	Baranya	7754
AS3329 Vodafone-panafon Hellenic Telecommunications Company SA	Athens (Ampelokipoi)	Greece	46.176.176.136	Attica	
AS12768 JSC ER-Telecom Holding	Perm	Russia	46.146.241.14	Perm Krai	614000
AS6830 Liberty Global Operations B.V.	Zurich	Switzerland	46.127.24.26	Zurich	8037
	Los Angeles	United States	45.85.203.125	California	
AS55286 B2 Net Solutions Inc.	New York	United States	45.57.235.128	New York	10013
AS11351 Time Warner Cable Internet LLC	Liverpool	United States	45.47.47.207	New York	13090
AS11426 Time Warner Cable Internet LLC	Greensboro	United States	45.36.236.196	North Carolina	27406
	Beijing	China	45.255.239.47	Beijing	
	Beijing	China	45.254.162.57	Beijing	
	Montevideo	Uruguay	45.235.47.173	Departamento de Montevideo	
AS37353 MacroLAN	Johannesburg	South Africa	45.203.153.73	Gauteng	2000
	Montevideo	Uruguay	45.181.17.22	Departamento de Montevideo	
	Montevideo	Uruguay	45.169.135.48	Departamento de Montevideo	
	Marina del Rey	United States	45.128.229.253	California	
AS134022 Genstar Network Solutions Pvt Ltd.	Mumbai	India	45.115.185.167	Maharashtra	400083

	Tokyo	Japan	43.72.8.35	Tokyo	190-0031
	Tokyo	Japan	43.6.130.103	Tokyo	190-0031
	Tokyo	Japan	43.58.78.85	Tokyo	190-0031
	Tokyo	Japan	43.57.159.194	Tokyo	190-0031
	Tokyo	Japan	43.49.52.236	Tokyo	190-0031
	Tokyo	Japan	43.46.83.48	Tokyo	190-0031
	Tokyo	Japan	43.38.229.238	Tokyo	190-0031
	Tokyo	Japan	43.37.172.214	Tokyo	190-0031
	Tokyo	Japan	43.34.94.10	Tokyo	190-0031
	Tokyo	Japan	43.27.140.159	Tokyo	190-0031
	Jinzhou	China	43.237.128.87	Liaoning	
	Tokyo	Japan	43.216.67.87	Tokyo	190-0031
	Tokyo	Japan	43.205.224.240	Tokyo	190-0031
	Tokyo	Japan	43.194.145.226	Tokyo	190-0031
	Tokyo	Japan	43.179.207.56	Tokyo	190-0031
	Tokyo	Japan	43.159.197.221	Tokyo	190-0031
	Tokyo	Japan	43.123.76.22	Tokyo	190-0031
	Tokyo	Japan	43.111.205.128	Tokyo	190-0031
	Tokyo	Japan	43.11.18.218	Tokyo	190-0031
	Tokyo	Japan	43.106.242.13	Tokyo	190-0031
	Tokyo	Japan	43.10.148.160	Tokyo	190-0031
AS4134 No.31,Jin-rong Street	Pingliang	China	42.95.242.151	Gansu	
AS4788 TM Net, Internet Service Provider	Petaling Jaya	Malaysia	42.189.107.230	Selangor	46050
AS4837 CHINA UNICOM China169 Backbone	Shenyang	China	42.180.232.107	Liaoning	
	Beijing	China	42.169.23.76	Beijing	
	Beijing	China	42.143.84.68	Beijing	
	Beijing	China	42.143.44.241	Beijing	
	Beijing	China	42.136.186.207	Beijing	
	Beijing	China	42.128.244.84	Beijing	
	Seoul	Republic of Korea	42.10.161.176	Seoul	
AS8346 Autonomous System	Dakar	Senegal	41.83.208.70	Dakar	
	Zomba	Malawi	41.70.61.99	Southern Region	
	Cape Town (Cape Town City Centre)	South Africa	41.192.160.179	Western Cape	
	Pretoria (Silverton)	South Africa	41.16.168.32	Gauteng	
AS7029 Windstream Communications LLC	Broadview	United States	40.128.108.184	Illinois	60155
AS8075 Microsoft Corporation	Washington	United States	40.108.209.175	Virginia	22747
AS4837 CHINA UNICOM China169 Backbone	Jinan	China	39.90.179.223	Shandong	



AS24445 Henan Mobile Communications Co.,Ltd	Kaifeng	China	39.162.105.81	Henan	
AS9318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	39.113.49.51	Seoul	
	Taipei	Taiwan	39.11.119.185	Taipei City	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	39.106.27.30	Zhejiang	
AS33313 Wilcon	Los Angeles	United States	38.91.126.75	California	90046
AS174 Cogent Communications	Dallas (Downtown)	United States	38.26.0.147	Texas	
AS174 Cogent Communications	Houston (Northside)	United States	38.127.83.214	Texas	
AS15975 Hadara	Ramallah	Palestine	37.8.97.195	Ramallah	
AS29562 Kabel BW	Villingen-Schwenningen	Germany	37.49.39.166	Baden-Württemberg Region	78052
	Novosibirsk (Tsentrlnyy)	Russia	37.29.84.91	Novosibirsk	
AS42473 ANEXIA Internetdienstleistungs GmbH	Vienna	Austria	37.252.252.61	Vienna	1040
AS47297 Telekommunikation Lindau (B) GmbH	Wangen im Allgau	Germany	37.228.179.233	Baden-Württemberg Region	88239
AS50261 ACE Telecom Kft	Budapest	Hungary	37.220.134.36	Budapest	1012
AS3269 Telecom Italia	Bene Vagienna	Italy	37.207.68.217	Piedmont	12041
AS12715 Orange Espagne S.A.U.	Terrassa	Spain	37.15.29.208	Catalonia	08221
AS4134 No.31,Jin-rong Street	Hangzhou	China	36.96.191.32	Zhejiang	
	Shibuya (Maruyamacho)	Japan	36.52.146.141	Tokyo	
AS58966 Benchmark Infotech Services Pvt.Ltd.	Patna	India	36.255.90.29	Bihar	800001
AS3462 Data Communication Business Group	Taipei	Taiwan	36.227.82.70	Taipei City	
	Ann Arbor	United States	35.79.222.248	Michigan	48104
AS15169 Google LLC	Mountain View	United States	35.190.42.51	California	94043
AS15169 Google LLC	Mountain View	United States	35.185.87.51	California	94043
	St Louis	United States	35.137.33.11	Missouri	
	St Louis	United States	35.134.51.149	Missouri	
	Ann Arbor (Bryant Pattengill East)	United States	35.120.184.130	Michigan	
	Houston	United States	34.82.77.161	Texas	77032
	Houston	United States	34.82.17.198	Texas	77032
	Houston	United States	34.78.150.89	Texas	77032
	Houston	United States	34.66.63.81	Texas	77032
	Houston	United States	34.60.14.87	Texas	77032
	Houston	United States	34.60.139.109	Texas	77032
	Houston	United States	34.59.182.239	Texas	77032
	Beverly Hills	United States	34.51.160.234	California	90210
	Houston	United States	34.40.147.122	Texas	77032
	Houston	United States	34.26.220.35	Texas	77032

	Houston	United States	34.24.232.235	Texas	77032
AS16509 Amazon.com, Inc.	Boardman	United States	34.215.35.25	Oregon	97818
	Houston	United States	34.16.64.232	Texas	77032
	Houston	United States	34.155.171.195	Texas	77032
	Houston	United States	34.145.121.109	Texas	77032
	Houston	United States	34.116.105.205	Texas	77032
	Houston	United States	34.110.178.15	Texas	77032
	Columbus (East Columbus)	United States	33.83.183.166	Ohio	
	Columbus (East Columbus)	United States	33.36.0.12	Ohio	
	Columbus (East Columbus)	United States	33.26.210.231	Ohio	
	Columbus (East Columbus)	United States	33.255.234.24	Ohio	
	Columbus (East Columbus)	United States	33.255.103.35	Ohio	
	Columbus (East Columbus)	United States	33.254.36.215	Ohio	
	Columbus (East Columbus)	United States	33.248.209.157	Ohio	
	Columbus (East Columbus)	United States	33.236.195.20	Ohio	
	Columbus (East Columbus)	United States	33.235.41.238	Ohio	
	Columbus (East Columbus)	United States	33.226.201.51	Ohio	
	Dallas	United States	33.224.158.80	Texas	75211
	Columbus (East Columbus)	United States	33.222.115.246	Ohio	
	Columbus (East Columbus)	United States	33.215.245.177	Ohio	
	Columbus (East Columbus)	United States	33.2.221.180	Ohio	
	Columbus (East Columbus)	United States	33.191.136.210	Ohio	
	Columbus (East Columbus)	United States	33.180.13.186	Ohio	
	Beverly Hills	United States	33.162.198.162	California	90210
	Beverly Hills	United States	33.162.193.28	California	90210
	Columbus (East Columbus)	United States	33.161.196.53	Ohio	
	Columbus (East Columbus)	United States	33.154.70.89	Ohio	
	Columbus (East Columbus)	United States	33.154.34.12	Ohio	
	Columbus (East Columbus)	United States	33.153.39.60	Ohio	
	Columbus (East Columbus)	United States	33.142.79.152	Ohio	
	Columbus (East Columbus)	United States	33.130.146.133	Ohio	
	Columbus (East Columbus)	United States	33.124.96.147	Ohio	
	Columbus (East Columbus)	United States	33.122.214.132	Ohio	
	Sanford	United States	33.122.124.71	North Carolina	27332
	Columbus (East Columbus)	United States	33.112.165.114	Ohio	
AS46690 Southern New England Telephone Company and SNET America, Inc.	New London	United States	32.212.92.18	Connecticut	06320
AS50174 Intecom OOO	Saratov	Russia	31.40.93.243	Saratovskaya Oblast'	410960
AS197695 Domain names registrar REG.RU, Ltd	Moscow (North-Western Administrative Okrug)	Russia	31.31.196.162	Moscow	
AS51456 LLC Kapital-svyaz	Seversk	Russia	31.211.32.198	Tomskaya Oblast'	636035

AS31334 Vodafone Kabel Deutschland GmbH	Hamburg	Germany	31.18.163.29	Hamburg	20095
AS9145 EWE-Tel GmbH	Loxstedt	Germany	31.150.23.123	Lower Saxony	27612
AS48882 LLC Optima-East	Krasnodon	Ukraine	31.133.70.135	Luhans'ka Oblast'	
	Moscow (Tsentralnyy administrativnyy okrug)	Russia	31.131.88.87	Moscow	
AS35714 PP Infoservis-Link	Syeverodonets'k	Ukraine	31.128.118.160	Luhans'ka Oblast'	93408
	Chester	United States	30.99.136.83	Pennsylvania	19013
	Chicago	United States	30.94.240.120	Illinois	60620
	Aurora	United States	30.88.218.59	Colorado	80012
	Phoenix	United States	30.73.135.30	Arizona	85018
	Lancaster	United States	30.57.79.121	California	93539
	Pomona	United States	30.54.155.245	California	91766
	Gardena	United States	30.53.212.234	California	90247
	Corona	United States	30.50.173.122	California	92881
	Columbus (East Columbus)	United States	30.42.159.243	Ohio	
	Columbus (East Columbus)	United States	30.230.158.19	Ohio	
	Columbus (East Columbus)	United States	30.217.192.32	Ohio	
	New York	United States	30.206.210.174	New York	10128
	East Northport	United States	30.204.254.110	New York	11731
	Brooklyn	United States	30.203.106.134	New York	11216
	Easton	United States	30.191.163.125	Pennsylvania	18043
	Columbus (East Columbus)	United States	30.181.41.219	Ohio	
	Columbus (East Columbus)	United States	30.18.19.9	Ohio	
	Chesapeake	United States	30.170.178.43	Virginia	23324
	Columbus (East Columbus)	United States	30.164.27.79	Ohio	
	Brea	United States	30.157.52.19	California	92822
	San Dimas	United States	30.149.251.25	California	91773
	Columbus (East Columbus)	United States	30.132.177.121	Ohio	
	Houston	United States	30.130.49.128	Texas	77067
	Columbus (East Columbus)	United States	30.119.57.211	Ohio	
	Toms River	United States	30.115.242.9	New Jersey	08755
	Columbus (East Columbus)	United States	30.101.187.228	Ohio	
	Fairfield	United States	3.88.147.134	Connecticut	06828
	Fairfield	United States	3.87.37.141	Connecticut	06828
	Fairfield	United States	3.8.103.233	Connecticut	06828
	Fairfield	United States	3.79.234.7	Connecticut	06828
	Fairfield	United States	3.67.29.135	Connecticut	06828
	Fairfield	United States	3.63.247.6	Connecticut	06828
	Fairfield	United States	3.54.135.185	Connecticut	06828
	Fairfield	United States	3.52.90.1	Connecticut	06828

	Fairfield	United States	3.41.89.97	Connecticut	06828
	Fairfield	United States	3.39.195.50	Connecticut	06828
	Fairfield	United States	3.3.153.25	Connecticut	06828
	Fairfield	United States	3.247.32.66	Connecticut	06828
	Fairfield	United States	3.24.122.61	Connecticut	06828
	Fairfield	United States	3.226.120.11	Connecticut	06828
	Fairfield	United States	3.181.130.225	Connecticut	06828
	Fairfield	United States	3.174.240.44	Connecticut	06828
	Fairfield	United States	3.168.220.45	Connecticut	06828
	Fairfield	United States	3.152.7.60	Connecticut	06828
	Fairfield	United States	3.147.230.30	Connecticut	06828
	Fairfield	United States	3.127.126.145	Connecticut	06828
	Fairfield	United States	3.119.74.44	Connecticut	06828
	Fairfield	United States	3.113.73.166	Connecticut	06828
	Fairfield	United States	3.103.230.168	Connecticut	06828
	Fairfield	United States	3.103.182.30	Connecticut	06828
	Columbus (East Columbus)	United States	29.99.153.215	Ohio	
	Littleton	United States	29.89.87.78	Colorado	80160
	South Gate	United States	29.48.99.185	California	90280
	Indianapolis	United States	29.45.139.64	Indiana	46237
	Columbus (East Columbus)	United States	29.3.8.31	Ohio	
	Columbus (East Columbus)	United States	29.249.25.144	Ohio	
	Newington	United States	29.244.218.159	Connecticut	06111
	Columbus (East Columbus)	United States	29.242.175.253	Ohio	
	St. Petersburg	United States	29.238.169.18	Florida	33704
	Columbus (East Columbus)	United States	29.215.116.111	Ohio	
	Columbus (East Columbus)	United States	29.2.107.64	Ohio	
	New York	United States	29.191.181.81	New York	10007
	Columbus (East Columbus)	United States	29.180.36.26	Ohio	
	Bedford	United States	29.176.199.141	Massachusetts	01730
	Wilmington	United States	29.176.102.51	Massachusetts	01887
	Burbank	United States	29.175.152.62	California	91503
	Columbia	United States	29.165.144.19	South Carolina	29223
	San Diego	United States	29.157.237.184	California	92154
	Round Rock	United States	29.135.12.84	Texas	78664
	Houston	United States	29.130.207.140	Texas	77002
	Washington	United States	29.107.178.150	District of Columbia	20015
	Clarksburg	United States	28.83.101.205	Maryland	20871
	Mullica Hill	United States	28.76.64.55	New Jersey	08062
	Columbus (East Columbus)	United States	28.7.31.34	Ohio	
	Granada Hills	United States	28.50.180.1	California	91344

	Columbus (East Columbus)	United States	28.44.27.194	Ohio	
	Columbus (East Columbus)	United States	28.43.116.80	Ohio	
	Upland	United States	28.33.147.6	California	91786
	Alhambra	United States	28.28.7.143	California	91803
	Kansas City	United States	28.238.159.1	Missouri	64121
	Columbus (East Columbus)	United States	28.233.49.81	Ohio	
	Lawrence	United States	28.226.59.152	Kansas	66049
	Raymore	United States	28.225.48.235	Missouri	64083
	Covington	United States	28.223.3.55	Georgia	30014
	Atlanta	United States	28.214.223.97	Georgia	30301
	Hurst	United States	28.206.32.55	Texas	76053
	Columbus (East Columbus)	United States	28.205.169.38	Ohio	
	Spring	United States	28.185.170.63	Texas	77379
	Tampa	United States	28.180.137.144	Florida	33612
	Columbus (East Columbus)	United States	28.175.181.60	Ohio	
	Columbus (East Columbus)	United States	28.169.134.106	Ohio	
	Austin	United States	28.168.118.226	Texas	78752
	Oakland	United States	28.143.18.107	California	94606
	Phoenix	United States	28.139.250.89	Arizona	85018
	Gilbert	United States	28.138.34.26	Arizona	85295
	Pompano Beach	United States	28.119.203.144	Florida	33063
	Columbus (East Columbus)	United States	28.107.174.199	Ohio	
	Houston	United States	28.102.114.49	Texas	77091
	Columbus (East Columbus)	United States	28.1.160.147	Ohio	
AS4804 Microplex PTY LTD	Granville	Australia	27.99.72.40	New South Wales	2142
AS17816 China Unicom IP network China169 Guangdong province	Shantou	China	27.41.150.218	Guangdong	
AS17816 China Unicom IP network China169 Guangdong province	Foshan	China	27.36.242.159	Guangdong	
AS4837 CHINA UNICOM China169 Backbone	Weifang	China	27.214.149.247	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Weifang	China	27.192.199.31	Shandong	
AS7642 Dhivehi Raajjeyge Gulhun (Dhiraagu)	Malé	Maldives	27.114.132.44	Kaafu Atoll	
	Daejeon (Daedeok-daero)	Republic of Korea	27.101.244.222	Daejeon	
AS9946 KCTV JEJU BROADCASTING	Jeju City	Republic of Korea	27.100.164.190	Jeju-do	
	Waxahachie	United States	26.97.212.17	Texas	75167
	Columbus (East Columbus)	United States	26.65.147.191	Ohio	
	Columbus (East Columbus)	United States	26.50.163.253	Ohio	
	Columbus (East Columbus)	United States	26.4.247.186	Ohio	

	Columbus (East Columbus)	United States	26.32.110.92	Ohio	
	Chino	United States	26.251.235.195	California	91710
	Pico Rivera	United States	26.251.23.70	California	90660
	Newhall	United States	26.250.146.218	California	91321
	Columbus (East Columbus)	United States	26.239.54.198	Ohio	
	Las Vegas	United States	26.239.124.87	Nevada	89101
	Las Vegas	United States	26.234.74.194	Nevada	89148
	Columbus (East Columbus)	United States	26.214.58.195	Ohio	
	Columbus (East Columbus)	United States	26.212.26.21	Ohio	
	Lebanon	United States	26.207.249.220	Indiana	46052
	Columbus (East Columbus)	United States	26.186.75.229	Ohio	
	Columbus (East Columbus)	United States	26.183.150.242	Ohio	
	Columbus (East Columbus)	United States	26.166.107.1	Ohio	
	Columbus (East Columbus)	United States	26.161.181.46	Ohio	
	Columbus (East Columbus)	United States	26.159.205.116	Ohio	
	Columbus (East Columbus)	United States	26.155.38.147	Ohio	
	Columbus (East Columbus)	United States	26.153.164.70	Ohio	
	Columbus (East Columbus)	United States	26.143.224.136	Ohio	
	Carol Stream	United States	26.122.26.11	Illinois	60116
	Indianapolis	United States	26.118.235.202	Indiana	46224
	Columbus (East Columbus)	United States	26.103.152.111	Ohio	
	Woodstock	United Kingdom	25.92.235.113	England	
	Woodstock	United Kingdom	25.86.205.221	England	
	Woodstock	United Kingdom	25.78.46.243	England	
	Woodstock	United Kingdom	25.74.154.135	England	
	Woodstock	United Kingdom	25.69.216.21	England	
	Woodstock	United Kingdom	25.56.89.107	England	
	Woodstock	United Kingdom	25.5.74.239	England	
	Woodstock	United Kingdom	25.49.85.193	England	
	Woodstock	United Kingdom	25.44.4.216	England	
	Woodstock	United Kingdom	25.43.41.227	England	
	Woodstock	United Kingdom	25.41.158.41	England	
	Woodstock	United Kingdom	25.37.52.3	England	

	Woodstock	United Kingdom	25.37.112.24	England	
	Woodstock	United Kingdom	25.255.160.6	England	
	Woodstock	United Kingdom	25.252.225.26	England	
	Woodstock	United Kingdom	25.238.143.173	England	
	Woodstock	United Kingdom	25.233.250.188	England	
	Woodstock	United Kingdom	25.231.95.253	England	
	Woodstock	United Kingdom	25.230.194.239	England	
	Woodstock	United Kingdom	25.228.133.67	England	
	Woodstock	United Kingdom	25.215.73.211	England	
	Woodstock	United Kingdom	25.213.190.92	England	
	Woodstock	United Kingdom	25.212.186.141	England	
	Woodstock	United Kingdom	25.208.56.230	England	
	Woodstock	United Kingdom	25.207.57.55	England	
	Woodstock	United Kingdom	25.195.102.166	England	
	Woodstock	United Kingdom	25.186.184.128	England	
	Woodstock	United Kingdom	25.182.33.104	England	
	Woodstock	United Kingdom	25.182.107.146	England	
	Woodstock	United Kingdom	25.169.187.55	England	
	Woodstock	United Kingdom	25.159.36.98	England	
	Woodstock	United Kingdom	25.159.172.114	England	
	Woodstock	United Kingdom	25.149.198.187	England	
	Woodstock	United Kingdom	25.138.63.123	England	
	Woodstock	United Kingdom	25.132.254.156	England	
	Woodstock	United Kingdom	25.130.65.226	England	

	Woodstock	United Kingdom	25.125.69.107	England	
AS7922 Comcast Cable Communications, LLC	Aurora	United States	24.8.237.233	Colorado	80011
AS7922 Comcast Cable Communications, LLC	Danville	United States	24.63.114.190	New Hampshire	03819
AS11351 Time Warner Cable Internet LLC	Liverpool	United States	24.58.15.99	New York	13088
AS20001 Time Warner Cable Internet LLC	Desert Hot Springs	United States	24.43.183.215	California	92240
AS7922 Comcast Cable Communications, LLC	Bow Bog	United States	24.34.71.57	New Hampshire	03304
AS7922 Comcast Cable Communications, LLC	Pembroke	United States	24.34.209.80	Massachusetts	02359
AS7922 Comcast Cable Communications, LLC	Beverly	United States	24.34.197.134	Massachusetts	01915
AS22773 Cox Communications Inc.	Fountain Hills	United States	24.251.66.179	Arizona	85268
AS20115 Charter Communications	Petoskey	United States	24.231.172.84	Michigan	49770
	Gering	United States	24.223.69.146	Nebraska	69341
AS7922 Comcast Cable Communications, LLC	Pittsburgh	United States	24.2.126.161	Pennsylvania	15217
AS11426 Time Warner Cable Internet LLC	Charlotte	United States	24.199.188.101	North Carolina	28216
AS10796 Time Warner Cable Internet LLC	Cleveland	United States	24.166.93.245	Ohio	44105
AS7459 Grande Communications Networks, LLC	Odessa	United States	24.155.101.47	Texas	79763
AS7922 Comcast Cable Communications, LLC	Killingworth	United States	24.147.202.1	Connecticut	06419
AS7922 Comcast Cable Communications, LLC	Cambridge	United States	24.126.71.85	Maryland	21613
AS3257 GTT Communications Inc.	Delray Beach	United States	23.90.192.229	Florida	33446
AS20940 Akamai International B.V.	Cambridge	United States	23.77.215.129	Massachusetts	02142
AS20940 Akamai International B.V.	Richmond	United States	23.75.211.194	Virginia	23223
AS16625 Akamai Technologies, Inc.	Paris	France	23.61.212.232	Île-de-France	
AS1299 Telia Company AB	Amsterdam	Netherlands	23.53.32.59	North Holland	1091
AS20940 Akamai International B.V.	Cambridge	United States	23.49.15.73	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Cambridge	United States	23.3.170.217	Massachusetts	02142
AS20001 Time Warner Cable Internet LLC	Sylmar	United States	23.241.44.57	California	91342
AS20001 Time Warner Cable Internet LLC	Santa Ana	United States	23.240.53.66	California	92704
AS62904 Eonix Corporation	Las Vegas	United States	23.231.76.5	Nevada	89169
AS33330 CloudRadium L.L.C	Los Angeles	United States	23.224.219.17	California	90014
AS34984 Tellcom İletişim Hizmetleri A.Ş.	Amsterdam	Netherlands	23.221.163.120	North Holland	1091



AS20940 Akamai International B.V.	Cambridge	United States	23.209.11.212	Massachusetts	02142
AS20940 Akamai International B.V.	Cambridge	United States	23.204.3.87	Massachusetts	02142
	Marina del Rey (330)	United States	23.190.139.29	California	
	Marina del Rey (330)	United States	23.185.200.51	California	
	Marina del Rey (330)	United States	23.162.113.215	California	
	Marina del Rey (330)	United States	23.137.76.6	California	
AS15003 Nobis Technology Group, LLC	Phoenix	United States	23.108.44.181	Arizona	85034
AS39015 Mena Broadband Services WLL	Cambridge	United States	23.0.77.202	Massachusetts	02142
	Mumbai	India	223.227.205.195	Maharashtra	
AS24560 Bharti Airtel Ltd., Telemedia Services	Delhi	India	223.190.1.232	National Capital Territory of Delhi	110024
	Seoul (World cup buk-ro)	Republic of Korea	223.173.104.42	Seoul	
	Seoul (World cup buk-ro)	Republic of Korea	223.169.81.236	Seoul	
	South Brisbane	Australia	223.130.147.4	Queensland	
AS4134 No.31,Jin-rong Street	Xiangtan	China	222.243.161.110	Hunan	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	222.238.17.25	Seoul	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	222.237.25.206	Seoul	
AS4134 No.31,Jin-rong Street	Changzhou	China	222.185.83.53	Jiangsu	
AS4766 Korea Telecom	Seoul	Republic of Korea	222.121.54.127	Seoul	
AS17638 ASN for TIANJIN Provincial Net of CT	Tianjin	China	221.238.241.118	Tianjin	
AS4134 No.31,Jin-rong Street	Xuzhou	China	221.229.140.126	Jiangsu	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	220.91.206.32	Gyeonggi-do	
AS4766 Korea Telecom	Gwangju	Republic of Korea	220.90.59.144	Gwangju	
AS4766 Korea Telecom	Seoul	Republic of Korea	220.79.0.40	Seoul	
AS4766 Korea Telecom	Seoul	Republic of Korea	220.74.56.103	Seoul	
	Beijing	China	220.204.228.71	Beijing Shi	
	Beijing	China	220.192.122.129	Beijing Shi	
AS3462 Data Communication Business Group	Taichung	Taiwan	220.133.218.209	Taichung City	
	Columbus (East Columbus)	United States	22.89.36.178	Ohio	
	Columbus (East Columbus)	United States	22.8.215.63	Ohio	
	Columbus (East Columbus)	United States	22.69.144.4	Ohio	
	Columbus (East Columbus)	United States	22.58.106.50	Ohio	

	Columbus (East Columbus)	United States	22.31.101.41	Ohio	
	Columbus (East Columbus)	United States	22.29.138.115	Ohio	
	Columbus (East Columbus)	United States	22.255.251.188	Ohio	
	Columbus (East Columbus)	United States	22.244.147.225	Ohio	
	Columbus (East Columbus)	United States	22.232.109.208	Ohio	
	Forest Park	United States	22.219.2.215	Illinois	60130
	Morton Grove	United States	22.218.107.13	Illinois	60053
	Columbus (East Columbus)	United States	22.203.6.156	Ohio	
	Columbus (East Columbus)	United States	22.203.166.154	Ohio	
	Chicago	United States	22.194.237.1	Illinois	60643
	Columbus (East Columbus)	United States	22.166.244.164	Ohio	
	Oak Forest	United States	22.141.136.63	Illinois	60452
	Pittsburg	United States	22.119.214.94	California	94565
	Columbus (East Columbus)	United States	22.109.93.232	Ohio	
AS9318 SK Broadband Co Ltd	Suwon	Republic of Korea	219.248.112.156	Gyeonggi-do	
AS4713 NTT Communications Corporation	Tokyo	Japan	219.166.60.105	Tokyo	190-0031
AS4134 No.31,Jin-rong Street	Chongqing	China	219.152.232.55	Chongqing	
AS4134 No.31,Jin-rong Street	Nanjing	China	218.90.145.223	Jiangsu	
AS4134 No.31,Jin-rong Street	Chongqing	China	218.70.178.250	Chongqing	
AS4134 No.31,Jin-rong Street	Fuzhou	China	218.6.121.169	Fujian	
AS9829 National Internet Backbone	New Delhi	India	218.248.54.140	National Capital Territory of Delhi	
AS4134 No.31,Jin-rong Street	Tongling	China	218.22.184.210	Anhui	
	Hefei	China	218.185.196.13	Anhui	
AS3320 Deutsche Telekom AG	Schkeuditz	Germany	217.254.16.73	Saxony	04435
AS20485 Closed Joint Stock Company TransTeleCom	St Petersburg	Russia	217.148.213.236	St.-Petersburg	195274
AS9143 Ziggo	Bergen op Zoom	Netherlands	217.104.112.159	North Brabant	4614
AS9143 Ziggo	Gorinchem	Netherlands	217.101.33.4	South Holland	4207
AS13703 Virtual Citadel Inc.	Smyrna	United States	216.24.171.83	Georgia	30082
	Seattle	United States	216.220.194.231	Washington	98104
AS21880 Zendesk, Inc.	San Francisco	United States	216.198.33.220	California	94103
AS13768 Cogeco Peer 1	Toronto	Canada	216.157.102.46	Ontario	M8W
	Nashville (Downtown)	United States	216.151.44.92	Tennessee	
AS7393 CYBERCON, INC.	St Louis	United States	216.15.245.152	Missouri	63150
	Columbus (East Columbus)	United States	215.234.51.182	Ohio	
	Columbus (East Columbus)	United States	215.228.9.137	Ohio	
	Columbus (East Columbus)	United States	215.219.27.190	Ohio	
	Columbus (East Columbus)	United States	215.213.80.109	Ohio	
	Columbus (East Columbus)	United States	215.212.94.250	Ohio	

	Columbus (East Columbus)	United States	215.204.159.81	Ohio	
	Columbus (East Columbus)	United States	215.203.162.60	Ohio	
	Columbus (East Columbus)	United States	215.194.178.252	Ohio	
	Columbus (East Columbus)	United States	215.179.128.200	Ohio	
	Columbus (East Columbus)	United States	215.162.153.69	Ohio	
	Columbus (East Columbus)	United States	215.137.172.203	Ohio	
	Columbus (East Columbus)	United States	215.136.96.22	Ohio	
	Columbus (East Columbus)	United States	215.129.159.181	Ohio	
AS3209 Vodafone GmbH	Dusseldorf	Germany	213.23.29.103	North Rhine-Westphalia	40212
AS3209 Vodafone GmbH	Dusseldorf	Germany	213.23.193.173	North Rhine-Westphalia	40221
AS28905 BECO Link, spol.s.r.o.	Pardubice	Czechia	213.226.198.58	Pardubický kraj	530 02
AS5588 T-Mobile Czech Republic a.s.	Opava	Czechia	213.210.185.150	Moravskoslezský kraj	746 01
AS15879 KPN Internetservices B.V.	Amsterdam	Netherlands	213.206.66.138	North Holland	1042
AS35470 CloudVPS B.V.	Amsterdam	Netherlands	213.187.240.254	North Holland	1091
	Trieste	Italy	213.178.209.198	Friuli Venezia Giulia	
AS21193 Centre de Telecomunicacions i Tecnologies de la Informació de la Generalitat de Catalunya	Barcelona	Spain	213.176.175.133	Catalonia	
AS6677 Siminn	Reykjavik	Iceland	213.167.150.198	Capital Region	109
AS28851 Fortech s.r.o.	Svitavy	Czechia	213.155.42.173	Pardubický kraj	568 02
AS8881 1&1 Versatel Deutschland GmbH	Obertshausen	Germany	213.138.37.166	Hesse	63179
	Barbera Del Valles (Can Salvatella)	Spain	212.87.195.246	Catalonia	
	Milan	Italy	212.6.43.51	Lombardy	
AS9000 Eser Telekom	Ankara	Turkey	212.50.39.67	Ankara	
AS8208 Teamware GmbH	Munich	Germany	212.29.26.222	Bavaria	80686
AS12389 PJSC Rostelecom	Novosibirsk	Russia	212.20.14.128	Novosibirskaya Oblast'	
	Paisley	United Kingdom	212.196.100.82	Scotland	
AS6830 Liberty Global Operations B.V.	Innsbruck	Austria	212.186.53.58	Tyrol	6020
AS15656 Nano İletişim Bilisim Hizmetleri Teknoloji Sistemleri Sanayi ve Ticaret Ltd Şirketi	Istanbul	Turkey	212.146.248.88	Istanbul	
AS207030 Claro Telecomunicaciones, S.L.	Majadahonda	Spain	212.145.223.150	Madrid	28220
AS13170 Kaisanet Oy	Kajaani	Finland	212.116.34.34	Kainuu	87300
	Ternat	Belgium	212.105.140.16	Flanders	
	Porto	Portugal	212.0.173.46	Porto	4000-000
AS4538 China Education and Research Network Center	Xuzhou	China	211.87.117.40	Jiangsu	
AS4766 Korea Telecom	Seoul	Republic of Korea	211.38.111.112	Seoul	

AS9756 Throad Chungbu Broadcasting Co.	Daejeon	Republic of Korea	211.247.64.150	Daejeon	
AS4766 Korea Telecom	Ulsan	Republic of Korea	211.193.155.3	Ulsan	
	Beijing	China	211.145.95.35	Beijing	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	211.117.90.36	Seoul	
AS9318 SK Broadband Co Ltd	Seongnam-si	Republic of Korea	211.108.167.134	Gyeonggi-do	
	South Brisbane	Australia	210.57.41.62	Queensland	
AS9370 SAKURA Internet Inc.	Tokushima	Japan	210.229.68.69	Tokushima	
	Columbus (East Columbus)	United States	21.79.153.27	Ohio	
	Columbus (East Columbus)	United States	21.71.63.54	Ohio	
	Columbus (East Columbus)	United States	21.61.230.57	Ohio	
	Pompano Beach	United States	21.37.47.7	Florida	33066
	Columbus (East Columbus)	United States	21.32.0.5	Ohio	
	Columbus (East Columbus)	United States	21.31.13.173	Ohio	
	Las Vegas	United States	21.3.198.151	Nevada	89146
	Columbus (East Columbus)	United States	21.27.25.234	Ohio	
	Columbus (East Columbus)	United States	21.25.139.80	Ohio	
	Columbus (East Columbus)	United States	21.248.23.230	Ohio	
	Monterey Park	United States	21.245.16.3	California	91754
	Whittier	United States	21.242.75.36	California	90601
	Columbus (East Columbus)	United States	21.239.11.174	Ohio	
	Riverside	United States	21.233.16.246	California	92507
	Houston	United States	21.212.206.205	Texas	77084
	Columbus (East Columbus)	United States	21.201.100.59	Ohio	
	Columbus (East Columbus)	United States	21.2.236.17	Ohio	
	Columbus (East Columbus)	United States	21.185.205.146	Ohio	
	Columbus (East Columbus)	United States	21.181.146.195	Ohio	
	Columbus (East Columbus)	United States	21.151.208.116	Ohio	
	Columbus (East Columbus)	United States	21.141.86.252	Ohio	
	Columbus (East Columbus)	United States	21.123.188.89	Ohio	
	Columbus (East Columbus)	United States	21.119.18.36	Ohio	
	Columbus (East Columbus)	United States	21.114.19.171	Ohio	
	Columbus (East Columbus)	United States	21.106.79.175	Ohio	
AS3356 Level 3 Communications, Inc.	Grapevine	United States	209.84.24.145	Texas	76051
	Redwood City	United States	209.228.120.81	California	94063
	Englewood	United States	209.217.181.176	Colorado	80111
	Pasadena	United States	209.182.139.97	California	91101
AS393497 Reflexion Networks, Inc.	Woburn (4800)	United States	208.70.210.229	Massachusetts	

AS10796 Time Warner Cable Internet LLC	Newark	United States	208.68.184.1	Ohio	43055
AS10434 Satellite Communication Systems, Inc.	Gloucester Point	United States	208.52.49.103	Virginia	23062
AS16832 Secom, Inc	La Junta	United States	208.123.157.235	Colorado	81050
	Newark	United States	207.94.84.99	New Jersey	
	Newark	United States	207.221.206.207	New Jersey	
AS62943 Bluebird Network	Ellington	United States	207.174.235.25	Missouri	63638
AS22364 Telefonica USA, Inc.	San Francisco	United States	206.221.200.210	California	94107
AS33293 Broadvoice, Inc.	Northridge	United States	206.15.139.236	California	91324
AS63467 PADI Worldwide Corp	Rancho Santa Margarita	United States	206.107.76.237	California	92688
	Columbus (East Columbus)	United States	205.9.123.61	Ohio	
	Detroit	United States	205.249.237.156	Michigan	48265
	Columbus (East Columbus)	United States	205.22.11.200	Ohio	
	Hull	Canada	205.189.80.40	Quebec	J8X
	Columbus (East Columbus)	United States	205.15.118.151	Ohio	
	Newark	United States	205.147.141.160	New Jersey	07102
	Virginia Beach	United States	205.113.182.251	Virginia	23459
	Carmel	United States	204.87.251.107	Indiana	
	Bohemia	United States	204.75.22.161	New York	11716
AS237 Merit Network Inc.	Laingsburg	United States	204.38.86.33	Michigan	48848
AS54672 ACCEO Holding Inc.	Montreal	Canada	204.19.176.130	Quebec	H3C
	Indianapolis	United States	204.159.242.227	Indiana	
	Portland	United States	204.156.60.85	Oregon	97201
	Nepean	Canada	204.138.150.209	Ontario	K2H
	Seattle	United States	204.126.103.106	Washington	98121
	Sydney	Australia	203.78.19.95	New South Wales	1001
AS10045 Hanbat National University	Daejeon	Republic of Korea	203.230.99.36	Daejeon	
AS7545 TPG Telecom Limited	Woody Point	Australia	203.111.179.155	Queensland	4019
AS9541 Cyber Internet Services (Pvt) Ltd.	Karachi	Pakistan	203.101.162.73	Sindh	12311
AS10225 Nettlinx Limited	Hyderabad	India	202.53.88.169	Telangana	
	Auckland	New Zealand	202.27.248.73	Auckland	
AS9829 National Internet Backbone	Nashik	India	202.136.65.172	Maharashtra	
AS262589 INTERNEXA Brasil Operadora de Telecomunicações S.A	Itaborai	Brazil	201.87.209.140	Rio de Janeiro	
AS28654 Axtelcom Telecomunicações Ltda	Machado	Brazil	201.77.134.6	Minas Gerais	37750
AS28006 CORPORACION NACIONAL DE TELECOMUNICACIONES - CNT EP	Quito	Ecuador	201.219.8.183	Provincia de Pichincha	
AS8048 CANTV Servicios, Venezuela	Caracas	Venezuela	201.210.46.149	Capital	

	Mexico City (Manantial Peña Pobre)	Mexico	201.133.156.249	Mexico City	
AS8151 Uninet S.A. de C.V.	Veracruz	Mexico	201.111.109.94	Veracruz	91709
AS17401 ERTACH S.A.	San Juan	Argentina	200.81.233.73	San Juan	5400
AS14178 Megacable Comunicaciones de Mexico, S.A. de C.V.	Mexico City	Mexico	200.66.91.137	Mexico City	63000
AS22047 VTR BANDA ANCHA S.A.	Santiago	Chile	200.30.248.221	Santiago Metropolitan	
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	200.23.242.198	Mexico City	63000
	Santiago	Chile	200.22.115.234	Santiago Metropolitan	
	São Paulo	Brazil	200.139.242.52	Sao Paulo	
	Newark	United States	20.93.99.225	New Jersey	
	Newark	United States	20.56.189.26	New Jersey	
	Newark	United States	20.48.21.227	New Jersey	
	Redmond	United States	20.30.144.146	Washington	98052
	Redmond	United States	20.3.72.148	Washington	98052
	Newark	United States	20.247.82.48	New Jersey	
	Newark	United States	20.233.190.45	New Jersey	
	Newark	United States	20.222.90.170	New Jersey	
	Newark	United States	20.216.29.122	New Jersey	
	Redmond	United States	20.21.99.147	Washington	98052
	Newark	United States	20.208.231.149	New Jersey	
	Newark	United States	20.205.250.21	New Jersey	
	Newark	United States	20.201.242.240	New Jersey	
	Redmond	United States	20.2.97.251	Washington	98052
	Newark	United States	20.159.121.241	New Jersey	
	Newark	United States	20.147.2.123	New Jersey	
	Newark	United States	20.127.199.124	New Jersey	
	Newark	United States	20.121.236.42	New Jersey	
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Porto	Portugal	2.83.33.20	Porto	4000-000
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Caldas da Rainha	Portugal	2.82.108.221	Leiria	2500-000
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Maia	Portugal	2.80.104.182	Porto	4425-001
AS44034 Hi3G Access AB	Stockholm (Stadshagen)	Sweden	2.69.76.52	Stockholm	
AS30722 Vodafone Italia S.p.A.	Rome	Italy	2.39.207.112	Latium	00134
AS12874 Fastweb	Prato	Italy	2.236.253.131	Tuscany	59100
AS5607 Sky UK Limited	Cardiff	United Kingdom	2.223.108.129	Wales	CF14
AS5607 Sky UK Limited	Liverpool	United Kingdom	2.216.226.50	England	L3
AS3352 Telefonica De Espana	Las Palmas de Gran Canaria	Spain	2.136.156.238	Canary Islands	35002

AS5607 Sky UK Limited	London (Easynet Ltd)	United Kingdom	2.127.186.92	England	
AS5607 Sky UK Limited	Croydon	United Kingdom	2.126.197.218	England	CR0
	Carmel	United States	199.83.1.146	Indiana	46032
	Morristown	United States	199.62.226.168	New Jersey	07962
	Daventry	United Kingdom	199.6.67.157	England	NN11
	Warrington	United States	199.254.151.113	Pennsylvania	18976
	Vista	United States	199.253.55.146	California	92084
	Mississauga	Canada	199.246.178.14	Ontario	L4V
	Edmonton	Canada	199.215.245.37	Alberta	T6H
	Montvale	United States	199.205.230.131	New Jersey	07645
	Etobicoke	Canada	199.198.191.26	Ontario	M9C
AS30028 Manitoba NetSet Ltd.	The Pas	Canada	199.195.166.13	Manitoba	R9A
	Harrisburg	United States	199.161.90.197	Pennsylvania	17105
	Harrisburg	United States	199.161.84.158	Pennsylvania	17105
	Columbus (East Columbus)	United States	199.124.210.29	Ohio	
AS1239 Sprint	St Louis	United States	199.0.70.99	Missouri	63146
	Ottawa	Canada	198.33.213.146	Ontario	K1A
AS2559 Visa International	San Francisco	United States	198.217.214.235	California	94128
AS14155 Rural Telephone Service Co, Inc.	Hays	United States	198.210.126.187	Kansas	67601
	El Paso	United States	198.202.147.109	Texas	79905
	Fort Worth	United States	198.200.199.205	Texas	76108
	Evansville	United States	198.183.174.65	Indiana	47715
	Vancouver (Central)	Canada	198.165.62.163	British Columbia	
	Richardson	United States	198.157.237.233	Texas	75082
	Stellenbosch	South Africa	197.238.213.86	Province of the Western Cape	
	Lusaka (Lusaka Central)	Zambia	197.158.188.244	Lusaka	
	San Diego	United States	196.57.84.239	California	92112
	Edison	United States	196.52.204.253	New Jersey	08837
	Zurich	Switzerland	196.247.171.185	Zurich	8002
	San Francisco (South of Market)	United States	196.244.218.221	California	
	Kairouan	Tunisia	196.234.16.77	Gouvernorat de Kairouan	
AS199313 UKRNAFTA, Public Joint Stock Company	Kiev	Ukraine	195.64.236.148	Kyiv City	
	Plovdiv	Bulgaria	195.242.241.183	Plovdiv	
	Ra'anana	Israel	195.225.62.51	Central District	
AS2200 Renater	Brains	France	195.221.64.233	Pays de la Loire	44830
AS24940 Hetzner Online GmbH	Saint Petersburg	Russia	195.201.56.210	St.-Petersburg	

AS24940 Hetzner Online GmbH	Ryazan	Russia	195.201.20.8	Ryazanskaya Oblast'	
AS12876 Online S.a.s.	Vitry-sur-Seine	France	195.154.41.3	Île-de-France	
AS21502 SFR SA	Salon-de-Provence	France	195.132.184.86	Provence-Alpes-Côte d'Azur	13300
	Amsterdam (Grachtengordel-West)	Netherlands	194.38.47.202	North Holland	
AS3262 SAREnet, S.A.	Orcoyen	Spain	194.30.116.25	Navarre	31160
AS3302 Infracom Italia S.p.A.	Modena	Italy	194.244.43.247	Emilia-Romagna	41100
	Hamelin	Germany	194.156.254.5	Lower Saxony	
	Guildford	United Kingdom	194.155.20.68	England	
	Amsterdam (Grachtengordel-West)	Netherlands	194.110.147.222	North Holland	
AS2614 Agentia de Administrare a Retelei Nationale de Informatica pentru Educatie si Cercetare	Magurele	Romania	194.102.56.146	Ilfov	077125
AS41064 Telefon SAS	Paris	France	193.93.126.248	Île-de-France	75002
AS21093 Bouygues Telecom SA	Trappes	France	193.57.106.130	Île-de-France	78190
	Islington	United Kingdom	193.36.2.52	England	EC1P
	Stockholm	Sweden	193.242.65.178	Stockholm	112 28
	Marl	Germany	193.23.202.174	North Rhine-Westphalia	
AS1955 KIFU (Governmental Info Tech Development Agency)	Dunakeszi	Hungary	193.224.94.33	Pest megye	2120
	Istanbul	Turkey	193.192.119.250	Istanbul	
AS50572 Zetup AB	Partille	Sweden	193.19.146.122	Västra Götaland	433 00
	Stockholm (Kungsholmen)	Sweden	193.180.49.7	Stockholm	
AS2856 British Telecommunications PLC	Ipswich	United Kingdom	193.113.58.223	England	IP8
	Hinsdale	United States	192.65.206.203	Illinois	60521
	Beverly Hills	United States	192.29.31.18	California	90210
	Quincy (Atlantic)	United States	192.250.138.181	Massachusetts	
AS19551 Incapsula Inc	Redwood City	United States	192.230.92.49	California	94065
	Indianapolis	United States	192.20.143.32	Indiana	
	Montevideo	Uruguay	192.195.56.135	Departamento de Montevideo	
	Orange	United States	192.174.101.101	California	92867
	Columbus (East Columbus)	United States	192.14.221.45	Ohio	
AS237 Merit Network Inc.	Ann Arbor	United States	192.122.182.208	Michigan	48104
	Palo Alto	United States	192.120.224.232	California	94304
AS27699 TELEFÔNICA BRASIL S.A	São Paulo	Brazil	191.17.184.75	Sao Paulo	
AS6147 Telefonica del Peru S.A.A.	Lima	Peru	190.43.181.74	Lima	
AS7303 Telecom Argentina S.A.	Buenos Aires	Argentina	190.31.133.218	Buenos Aires F.D.	



AS3816 COLOMBIA TELECOMUNICACIONES S.A. ESP	Barranquilla	Colombia	190.254.215.97	Atlántico	
AS6147 Telefonica del Peru S.A.A.	Lima	Peru	190.237.247.25	Provincia de Lima	
AS8048 CANTV Servicios, Venezuela	Barquisimeto	Venezuela	190.200.191.130	Lara	
AS22927 Telefonica de Argentina	Banfield	Argentina	190.172.200.110	Buenos Aires	1828
AS12252 America Movil Peru S.A.C.	Lima	Peru	190.113.196.71	Lima	
	Santiago	Chile	190.110.129.162	Santiago Metropolitan	
AS3549 Level 3 Communications, Inc.	Rojas	Argentina	190.109.44.34	Buenos Aires	2705
AS22047 VTR BANDA ANCHA S.A.	Iquique	Chile	190.100.55.215	Tarapacá	
	Dearborn	United States	19.98.100.223	Michigan	48121
	Dearborn	United States	19.77.211.15	Michigan	48121
	Dearborn	United States	19.77.15.204	Michigan	48121
	Beverly Hills	United States	19.66.191.229	California	90210
	Dearborn	United States	19.60.251.146	Michigan	48121
	Dearborn	United States	19.6.171.82	Michigan	48121
	Dearborn	United States	19.46.28.7	Michigan	48121
	Dearborn	United States	19.38.166.152	Michigan	48121
	Dearborn	United States	19.37.11.12	Michigan	48121
	Dearborn	United States	19.251.159.141	Michigan	48121
	Dearborn	United States	19.244.89.115	Michigan	48121
	Dearborn	United States	19.241.205.248	Michigan	48121
	Dearborn	United States	19.240.197.202	Michigan	48121
	Dearborn	United States	19.24.69.181	Michigan	48121
	Dearborn	United States	19.222.181.29	Michigan	48121
	Dearborn	United States	19.210.126.84	Michigan	48121
	Dearborn	United States	19.210.120.81	Michigan	48121
	Dearborn	United States	19.200.205.121	Michigan	48121
	Dearborn	United States	19.188.136.181	Michigan	48121
	Dearborn	United States	19.148.254.61	Michigan	48121
	Dearborn	United States	19.148.127.27	Michigan	48121
	Dearborn	United States	19.131.195.19	Michigan	48121
	Dearborn	United States	19.121.151.166	Michigan	48121
	Dearborn	United States	19.100.47.146	Michigan	48121
	Dearborn	United States	19.1.48.102	Michigan	48121
	Dearborn	United States	19.0.249.246	Michigan	48121
AS28207 Teleon Telecomunicações Ltda	Carmo do Cajuru	Brazil	189.91.189.166	Minas Gerais	
	Mexico City (Manantial Peña Pobre)	Mexico	189.255.54.77	Mexico City	
AS8151 Uninet S.A. de C.V.	Nogales	Mexico	189.252.31.215	Sonora	84017
	Mexico City	Mexico	189.239.102.206	Mexico City	01140

AS28509 Cablemas Telecomunicaciones SA de CV	Rosales	Mexico	189.221.184.197	Chihuahua	33077
AS28509 Cablemas Telecomunicaciones SA de CV	Yautepec	Mexico	189.214.209.197	Morelos	62732
AS8151 Uninet S.A. de C.V.	Ciudad Sahagun	Mexico	189.189.52.124	Hidalgo	43935
	Tultitlan	Mexico	189.179.97.75	Estado de Mexico	54918
AS8151 Uninet S.A. de C.V.	Monterrey	Mexico	189.175.13.254	Nuevo León	64700
	Mexico City	Mexico	189.171.199.206	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Apizaco	Mexico	189.167.64.135	Tlaxcala	90405
AS8151 Uninet S.A. de C.V.	León	Mexico	189.162.216.113	Guanajuato	37500
AS8151 Uninet S.A. de C.V.	Guanajuato City	Mexico	189.162.161.236	Guanajuato	36015
AS4230 CLARO S.A.	Campina Grande do Sul	Brazil	189.16.190.146	Parana	
	Mexico City (San Jerónimo Aculco)	Mexico	189.147.169.76	Mexico City	
AS8151 Uninet S.A. de C.V.	Tula de Allende	Mexico	189.142.139.66	Hidalgo	42807
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.137.202.61	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	189.131.170.46	Mexico City	08500
AS28573 CLARO S.A.	Rio de Janeiro	Brazil	189.122.221.110	Rio de Janeiro	
AS262420 GIGA TV LTDA - EPP	Santa Cruz do Rio Pardo	Brazil	189.113.222.120	Sao Paulo	18900
AS7738 Telemar Norte Leste S.A.	Belford Roxo	Brazil	189.105.144.154	Rio de Janeiro	
AS3209 Vodafone GmbH	Puchheim	Germany	188.99.126.122	Bavaria	82178
AS12715 Orange Espagne S.A.U.	Vilanova i la Geltrú	Spain	188.79.164.17	Catalonia	08800
AS12715 Orange Espagne S.A.U.	San Fernando	Spain	188.78.208.13	Andalusia	11100
AS201952 LTD AtelRybinsk	Rybinsk	Russia	188.68.24.197	Yaroslavska Oblast'	606773
AS8708 RCS & RDS	Bucharest	Romania	188.27.180.65	Bucuresti	050019
AS28964 Orion Telekom Tim d.o.o.Beograd	Kraljevo	Serbia	188.255.217.108	Raska	
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Matosinhos Municipality	Portugal	188.250.203.254	Porto	4450-000
AS8708 RCS & RDS	Bucharest	Romania	188.25.198.184	Bucuresti	050019
AS35807 SkyNet Ltd.	St Petersburg	Russia	188.243.162.250	St.-Petersburg	190817
AS35807 SkyNet Ltd.	St Petersburg	Russia	188.242.80.116	St.-Petersburg	190817
AS8708 RCS & RDS	Cluj-Napoca	Romania	188.24.33.21	Judetul Cluj	400001
AS14061 DigitalOcean, LLC	Amsterdam	Netherlands	188.166.112.26	North Holland	1098
AS50010 Omani Qatari Telecommunications Company SAOC	Muscat	Oman	188.135.13.177	Muhafazat Masqat	
AS7738 Telemar Norte Leste S.A.	Poco da Pedra	Brazil	187.79.134.182	Ceara	
	Mexico City (Manantial Peña Pobre)	Mexico	187.239.22.120	Mexico City	
	Mexico City (Manantial Peña Pobre)	Mexico	187.230.188.251	Mexico City	
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.207.177.194	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Tecamac	Mexico	187.206.220.80	Estado de Mexico	55764

	Mexico City (Manantial Peña Pobre)	Mexico	187.198.55.227	Mexico City	
AS8151 Uninet S.A. de C.V.	Iztapalapa	Mexico	187.169.81.171	Mexico City	13430
AS6503 Axtel, S.A.B. de C.V.	San Nicolás de los Garza	Mexico	187.162.4.73	Nuevo León	65516
	São João del Rei	Brazil	187.16.206.209	Minas Gerais	
AS8151 Uninet S.A. de C.V.	Mexico City	Mexico	187.151.217.86	Mexico City	63000
AS8151 Uninet S.A. de C.V.	Uruapan	Mexico	187.142.162.69	Michoacán	
	Mexico City (Zapote I II y III)	Mexico	187.129.28.182	Mexico City	
AS262712 HOSTWEB DATA CENTER E SERVICOS LTDA	São João del Rei	Brazil	187.111.69.159	Minas Gerais	
AS262497 JNNET TELECOMUNICACOES EIRELI - EPP	Aracruz	Brazil	187.109.247.53	Espirito Santo	
AS28283 Adylnet Telecom	Cotipora	Brazil	187.103.237.136	Rio Grande do Sul	95335
AS8048 CANTV Servicios, Venezuela	Caracas	Venezuela	186.94.79.64	Capital	
AS11556 Cable & Wireless Panama	Panama City	Panama	186.73.200.74	Provincia de Panama	
AS28573 CLARO S.A.	Limeira	Brazil	186.223.21.221	Sao Paulo	
AS27695 EDATEL S.A. E.S.P	Medellín	Colombia	186.159.6.7	Antioquia	050001
AS19429 Colombia	Bogotá	Colombia	186.154.96.100	Bogota D.C.	111311
AS21826 Corporación Telemic C.A.	Barquisimeto	Venezuela	186.14.219.142	Lara	
AS3816 COLOMBIA TELECOMUNICACIONES S.A. ESP	Bogotá (Teusaquillo)	Colombia	186.116.111.136	Bogota D.C.	
AS3816 COLOMBIA TELECOMUNICACIONES S.A. ESP	Bogotá (Teusaquillo)	Colombia	186.113.109.144	Bogota D.C.	
AS8301 Gibtelecom Ltd.	Gibraltar	Gibraltar	185.74.72.103		
AS42248 Vida optics TVV Ltd.	Vidin	Bulgaria	185.44.127.106	Oblast Vidin	3700
AS60800 Netwise Hosting Ltd	Bermondsey	United Kingdom	185.42.18.200	England	SE1
AS200081 Netversor GmbH	Karlsruhe (Grötzingen)	Germany	185.31.210.11	Baden-Württemberg	
	A Coruña	Spain	185.30.242.52	Galicia	
	Paris	France	185.239.232.141	Île-de-France	
	Paris	France	185.235.98.87	Île-de-France	
	Paris	France	185.216.179.159	Île-de-France	
AS41960 Nextpertise B.V.	Schiphol-Rijk	Netherlands	185.210.121.106	North Holland	1118
AS8818 Tele Greenland	Nuuk	Greenland	185.21.231.126	Sermersooq	
	Tehran	Iran	185.18.157.132	Ostan-e Tehran	
AS34695 E4A s.r.l.	Montecchia di Crosara	Italy	185.175.213.117	Veneto	37030
	Yekaterinburg	Russia	185.175.175.174	Sverdlovskaya Oblast'	
AS48361 Global Telecommunications Ltd.	Vykhino-Zhulebino District	Russia	185.16.118.191	Moscow	
	Obsza	Poland	185.131.242.1	Lublin	23-413
AS8265 FASTNET SpA	Cagli	Italy	185.127.36.146	The Marches	61043
AS33363 BRIGHT HOUSE NETWORKS, LLC	Clermont	United States	184.89.231.59	Florida	34711

AS4181 TDS TELECOM	Sun Prairie	United States	184.60.53.67	Wisconsin	53590
	Atlanta	United States	184.227.231.114	Georgia	
	Newark	United States	184.200.44.72	New Jersey	
AS12271 Time Warner Cable Internet LLC	New York	United States	184.153.94.66	New York	10128
	Newark	United States	184.138.114.210	New Jersey	
	Newark	United States	184.138.112.161	New Jersey	
AS209 Qwest Communications Company, LLC	Phoenix	United States	184.103.219.252	Arizona	85040
AS4134 No.31,Jin-rong Street	Chongqing	China	183.67.180.135	Chongqing	
AS4134 No.31,Jin-rong Street	Linhai	China	183.153.18.115	Zhejiang	
AS4766 Korea Telecom	Yeonggwang-gun (Yeonggwang-eup)	Republic of Korea	183.120.64.164	Jeollanam-do	
AS4766 Korea Telecom	Seoul	Republic of Korea	183.110.214.225	Seoul	
	Gurgaon (Sector 18)	India	182.95.136.182	Haryana	
AS4134 No.31,Jin-rong Street	Jinan	China	182.39.15.58	Shandong	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	182.230.72.63	Seoul	
AS17858 LG POWERCOMM	Seoul	Republic of Korea	182.228.175.141	Seoul	
AS17858 LG POWERCOMM	Daejeon	Republic of Korea	182.221.2.168	Daejeon	
AS17858 LG POWERCOMM	Seoul (Hangang-daero)	Republic of Korea	182.211.221.83	Seoul	
AS4837 CHINA UNICOM China169 Backbone	Zhengzhou	China	182.125.82.252	Henan	
AS4134 No.31,Jin-rong Street	Fuzhou	China	182.105.130.82	Fujian	
	Federal	Argentina	181.88.110.12	Entre Rios	3180
	Bogotá (Chapinero)	Colombia	181.62.95.48	Bogota D.C.	
	Bogotá (Teusaquillo)	Colombia	181.237.58.144	Bogota D.C.	
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	181.132.12.111	Antioquia	050001
AS13489 EPM Telecomunicaciones S.A. E.S.P.	Medellín	Colombia	181.129.0.209	Antioquia	050001
AS6568 Entel S.A. - EntelNet	Oruro	Bolivia	181.115.166.120	Oruro	
AS7303 Telecom Argentina S.A.	Córdoba	Argentina	181.110.170.126	Cordoba	5000
AS9318 SK Broadband Co Ltd	Goyang-si	Republic of Korea	180.68.183.154	Gyeonggi-do	
AS9318 SK Broadband Co Ltd	Koyo	Republic of Korea	180.67.25.10	Jeollanam-do	
AS4713 NTT Communications Corporation	Niiza	Japan	180.53.163.134	Saitama	352-0006
	Seoul	Republic of Korea	180.239.194.213	Seoul	
AS4134 No.31,Jin-rong Street	Nanjing	China	180.111.83.156	Jiangsu	

	Boston (Mit)	United States	18.168.45.96	Massachusetts	
	Newark	United States	18.160.214.73	New Jersey	
	Newark	United States	18.151.161.161	New Jersey	
	Newark	United States	18.148.177.35	New Jersey	
	Cambridge	United States	18.122.162.238	Massachusetts	02139
AS26599 TELEFÔNICA BRASIL S.A	Maua	Brazil	179.94.198.161	Sao Paulo	
AS25577 IDE Group Connect Limited	San José	Costa Rica	179.63.6.3	Provincia de San Jose	
AS27773 MILLICOM CABLE EL SALVADOR S.A. DE C.V.	San Miguel	El Salvador	179.51.39.143	Departamento de San Miguel	
	Bogotá	Colombia	179.49.241.200	Bogota D.C.	111311
	San José	Costa Rica	179.48.176.122	Provincia de San Jose	34020
AS8167 Brasil Telecom S/A - Filial Distrito Federal	Cuiabá	Brazil	179.253.187.101	Mato Grosso	
AS28573 CLARO S.A.	São Leopoldo	Brazil	179.233.230.125	Rio Grande do Sul	
AS18881 TELEFÔNICA BRASIL S.A	Curitiba	Brazil	179.179.180.29	Parana	
AS53006 ALGAR TELECOM S/A	Uberlândia	Brazil	179.126.99.94	Minas Gerais	
AS8997 PJSC Rostelecom	St Petersburg	Russia	178.66.21.93	St.-Petersburg	190817
AS12334 R Cable y Telecomunicaciones Galicia, S.A.	Guitiriz	Spain	178.60.199.178	Galicia	27300
AS12389 PJSC Rostelecom	Novokuybyshevsk	Russia	178.45.190.108	Samarskaya Oblast'	446205
AS6730 Sunrise Communications AG	Zurich	Switzerland	178.38.137.123	Zurich	8037
AS197328 Istanbuldc Veri Merkezi Ltd. Sti	Istanbul	Turkey	178.211.44.6	Istanbul	
AS3303 Swisscom (Switzerland) Ltd	Basel	Switzerland	178.192.1.62	Basel-City	4054
AS8447 A1 Telekom Austria AG	Vienna (Leopoldstadt)	Austria	178.189.53.210	Vienna	
	Moscow	Russia	178.177.132.22	Moscow	
AS3209 Vodafone GmbH	Hockenheim	Germany	178.15.112.5	Baden-Württemberg Region	68766
AS3209 Vodafone GmbH	Freiburg	Germany	178.10.185.67	Baden-Württemberg Region	79117
AS28220 CABO SERVICOS DE TELECOMUNICACOES LTDA	Natal	Brazil	177.89.132.16	Rio Grande do Norte	
AS52777 BR27 Serviços de Tecnologia Ltda.	João Pessoa	Brazil	177.200.33.150	Paraíba	
AS53006 ALGAR TELECOM S/A	Uberlândia	Brazil	177.191.197.62	Minas Gerais	
	São Paulo	Brazil	177.153.172.180	Sao Paulo	
AS53163 Companhia Naciona para Inclusão Digital	Heliopolis	Brazil	177.137.191.134	Bahia	48445
AS6866 Cyprus Telecommunications Authority	Athens	Greece	176.92.201.195	Attica	
AS3352 Telefonica De Espana	Madrid	Spain	176.87.240.249	Madrid	
AS3352 Telefonica De Espana	Albacete	Spain	176.84.237.154	Castille-La Mancha	02002
AS44252 Exe Net d.o.o. Nis	Niš	Serbia	176.67.209.171	Central Serbia	
AS39608 Lanet Network Ltd	Kiev	Ukraine	176.38.198.62	Kyiv City	02225

AS5607 Sky UK Limited	Ballymena	United Kingdom	176.27.1.130	Northern Ireland	BT43
AS5607 Sky UK Limited	Bridgwater	United Kingdom	176.251.116.153	England	TA6
AS5607 Sky UK Limited	Hounslow	United Kingdom	176.249.216.234	England	TW3
AS5607 Sky UK Limited	Middlesbrough	United Kingdom	176.248.149.229	England	TS6
	Ivrea	Italy	176.242.81.95	Piedmont	
AS64470 UE Agil Trade OOD	Amsterdam	Netherlands	176.223.90.106	North Holland	1091
AS8386 Vodafone Net Iletisim Hizmetleri Anonim Sirketi	Istanbul	Turkey	176.216.52.191	Istanbul	
AS12714 Net By Net Holding LLC	Balashikha	Russia	176.195.187.212	Moscow Oblast	143922
AS3303 Swisscom (Switzerland) Ltd	Lausanne	Switzerland	176.127.202.203	Vaud	1010
AS56600 Cyberlan Ltd.	Kharkiv	Ukraine	176.126.142.234	Kharkivs'ka Oblast'	61036
	Frankfurt am Main	Germany	176.124.42.186	Hesse	
AS31042 Serbia BroadBand-Srpske Kablovske mreze d.o.o.	Pivnice	Serbia	176.108.38.86	Vojvodina	
AS9318 SK Broadband Co Ltd	Seoul	Republic of Korea	175.126.64.210	Seoul	
AS4134 No.31,Jin-rong Street	Changsha	China	175.12.146.195	Hunan	
AS9318 SK Broadband Co Ltd	Daegu	Republic of Korea	175.113.9.86	Daegu	
AS9318 SK Broadband Co Ltd	Seoul (Toegye-ro)	Republic of Korea	175.113.232.66	Seoul	
AS4134 No.31,Jin-rong Street	Changsha	China	175.0.13.253	Hunan	
AS10796 Time Warner Cable Internet LLC	Middletown	United States	174.98.165.245	Ohio	45042
	Omaha	United States	174.9.216.7	Nebraska	
AS7922 Comcast Cable Communications, LLC	Lancaster	United States	174.54.209.50	Pennsylvania	17603
AS209 Qwest Communications Company, LLC	Tacoma	United States	174.21.47.242	Washington	98445
AS209 Qwest Communications Company, LLC	Seattle	United States	174.21.136.199	Washington	98115
AS209 Qwest Communications Company, LLC	Minneapolis	United States	174.20.82.126	Minnesota	55418
AS38478 EDIS GmbH	City of Victoria	Hong Kong	174.138.149.152	Central and Western District	
AS11426 Time Warner Cable Internet LLC	Southport	United States	174.106.17.34	North Carolina	28461
AS11426 Time Warner Cable Internet LLC	Jacksonville	United States	174.106.164.233	North Carolina	28540
AS11426 Time Warner Cable Internet LLC	Greensboro	United States	173.94.136.220	North Carolina	27410
AS10796 Time Warner Cable Internet LLC	Vermilion	United States	173.91.167.60	Ohio	44089

AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Potomac	United States	173.79.219.86	Maryland	20854
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Rockland	United States	173.76.95.154	Massachusetts	02370
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Montclair	United States	173.70.170.157	New Jersey	07042
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	Columbia	United States	173.64.82.47	Maryland	21044
	Chicago	United States	173.207.205.62	Illinois	
	Atlanta	United States	172.99.192.240	Georgia	30301
	Harlingen	United States	172.83.39.224	Texas	78550
AS5650 Frontier Communications of America, Inc.	Oxford	United States	172.79.139.131	New York	13830
	San Francisco	United States	172.67.237.11	California	94107
AS33330 CloudRadium L.L.C	Los Angeles	United States	172.247.95.42	California	90014
AS17552 True Internet Co.,Ltd.	Nonthaburi	Thailand	171.96.171.60	Changwat Nonthaburi	11120
	New Delhi (Okhla Phase III)	India	171.54.190.101	NCT	
	New Delhi (Okhla Phase III)	India	171.53.244.42	NCT	
	New Delhi (Okhla Phase III)	India	171.52.53.46	NCT	
AS4837 CHINA UNICOM China169 Backbone	Nanchang	China	171.35.140.117	Jiangxi	
	Concord	United States	171.175.136.26	California	94520
	Concord	United States	171.173.95.36	California	94520
AS4837 CHINA UNICOM China169 Backbone	Taiyuan	China	171.126.229.138	Shanxi	
AS266277 NOVARENET LTDA ME	Cariacica	Brazil	170.78.103.34	Espirito Santo	
	Kansas City	United States	170.71.247.137	Missouri	64117
	Basel (Vorstädte)	Switzerland	170.60.254.101	Basel-City	
AS6983 Earthlink, Inc.	Atlanta	United States	170.59.247.95	Georgia	30342
	Atlanta	United States	170.41.128.133	Georgia	30320
	Kansas City (Crown Center)	United States	170.39.0.206	Missouri	
	Moncks Corner	United States	170.32.198.56	South Carolina	29461
	Moncks Corner	United States	170.32.184.42	South Carolina	29461
	Albany	United States	170.3.204.42	New York	12232
	West Palm Beach	United States	170.234.62.253	Florida	33402
	Lujan de Cuyo	Argentina	170.233.29.15	Mendoza	5507
	Madison	United States	170.23.193.221	New Jersey	07940
	Elizabeth	United States	170.197.10.86	New Jersey	07207
AS47090 SCL Health Front Range Inc.	Wheat Ridge	United States	170.188.38.153	Colorado	80033
	Beijing	China	170.179.50.17	Beijing	
	Toronto	Canada	170.175.161.34	Ontario	M5V
	Renton	United States	170.173.125.241	Washington	98057

	Philadelphia	United States	170.166.251.82	Pennsylvania	19104
AS27967 Gobernacion de la Provincia de Buenos Aires	La Plata	Argentina	170.155.34.22	Buenos Aires	1900
	Morristown	United States	170.113.167.19	New Jersey	07962
	Minneapolis	United States	170.112.122.199	Minnesota	55402
	New York	United States	169.96.197.111	New York	10271
	New York	United States	169.65.75.68	New York	10271
	Newark	United States	169.40.169.174	New Jersey	
	Zurich	Switzerland	169.33.62.13	Zurich	
	New York	United States	169.30.133.121	New York	10271
	Fairfax	United States	169.251.248.135	Virginia	22030
	New York	United States	169.24.71.110	New York	10271
	Seongnam-si (Buljeong-ro)	Republic of Korea	169.219.79.20	Gyeonggi-do	
	Seongnam-si (Buljeong-ro)	Republic of Korea	169.209.116.51	Gyeonggi-do	
	Brisbane	Australia	169.201.239.127	Queensland	
	San Francisco	United States	169.200.240.127	California	94104
	New York	United States	169.20.151.198	New York	10271
	Reston	United States	169.194.238.229	Virginia	20190
	New York	United States	169.18.20.2	New York	10271
	Reston	United States	169.168.240.189	Virginia	20190
	Reston	United States	169.162.88.107	Virginia	20190
	New York	United States	169.16.50.231	New York	10271
	New York	United States	169.16.192.178	New York	10271
	Kinshasa (Gombe)	Congo	169.159.218.136	Kinshasa	
	Englewood	United States	169.143.174.121	Colorado	80112
	New York	United States	169.123.135.162	New York	10271
	New York	United States	169.114.108.174	New York	10271
	New York	United States	169.103.6.164	New York	10271
	New York	United States	169.103.103.67	New York	10271
AS37611 Afrihost	George	South Africa	169.0.205.144	Western Cape	6529
AS16399 First Communications LLC	Chicago	United States	168.93.190.132	Illinois	60601
	Houston	United States	168.3.234.98	Texas	77005
AS11377 SendGrid, Inc.	Denver	United States	168.245.12.6	Colorado	80202
	Miami	United States	168.218.36.36	Florida	33178
	Miami	United States	168.218.128.118	Florida	33178
	Newark	United States	168.193.193.12	New Jersey	
AS6412 KW KEMS Block-A, Floor 7, Souq Al-Kabeer Kuwait City, State of Kuwait P O Box 3623, Safat 130	Kuwait City	Kuwait	168.187.118.72	Al Asimah	
	Portsmouth	United States	168.147.147.206	New Hampshire	03801



	Iowa City	United States	168.146.127.23	Iowa	52245
	New York	United States	167.79.24.57	New York	10005
	Ottawa	Canada	167.41.148.29	Ontario	K1G
	Ottawa	Canada	167.37.234.145	Ontario	K1G
	Ottawa	Canada	167.35.242.167	Ontario	K1G
	Georgetown	United States	167.255.78.35	Kentucky	40324
	Charlotte	United States	167.236.232.212	North Carolina	28278
	Glen Allen	United States	167.213.1.29	Virginia	23060
	Stevenage	United Kingdom	167.172.176.85	England	SG1
	Pittsburgh	United States	167.164.102.35	Pennsylvania	15222
	Newark	United States	167.163.121.28	New Jersey	
	Northbrook	United States	167.127.167.167	Illinois	60062
	Pittsburgh	United States	167.126.75.141	Pennsylvania	15230
	Denver	United States	167.109.7.75	Colorado	80222
	Austin	United States	167.101.230.152	Texas	78751
	Denver	United States	166.92.243.136	Colorado	80202
	Cha Kwo Ling Tsuen (Kwun Tong)	Hong Kong	166.81.113.94	Kwun Tong	
	Newark	United States	166.209.107.224	New Jersey	
	Milpitas	United States	165.85.148.202	California	95035
	Skokie	United States	165.75.124.224	Illinois	60077
	Stamford	United States	165.7.176.128	Connecticut	06902
	Concord	United States	165.32.178.241	California	94520
	Los Angeles	United States	165.30.64.114	California	90067
	Piscataway	United States	165.251.74.175	New Jersey	08854
AS174 Cogent Communications	Chicago	United States	165.25.153.52	Illinois	60602
	Washington	United States	165.224.199.209	District of Columbia	20011
	Alpharetta	United States	165.2.180.1	Georgia	30005
	Orange Park	United States	165.177.33.218	Florida	32003
	Brisbane	Australia	165.15.246.48	Queensland	
AS5713 SAIX-NET	Pretoria	South Africa	165.146.60.69	Gauteng	
	Santiago	Chile	164.98.253.217	Santiago Metropolitan	
	Canberra	Australia	164.75.208.189	Australian Capital Territory	
AS683 Argonne National Lab	Lockport	United States	164.54.186.71	Illinois	60441
	Bielefeld (Mitte)	Germany	164.25.93.174	North Rhine-Westphalia	
	Columbus	United States	164.226.148.68	Ohio	
	Columbus (East Columbus)	United States	164.220.163.227	Ohio	
	Montgomery	United States	164.219.124.64	Alabama	36114
	Columbus (East Columbus)	United States	164.218.139.207	Ohio	
	Bielefeld (Mitte)	Germany	164.20.40.99	North Rhine-Westphalia	

	Bielefeld (Mitte)	Germany	164.19.17.36	North Rhine-Westphalia	
	Las Vegas	United States	164.186.131.190	Nevada	89101
	Fort Huachuca	United States	164.176.143.137	Arizona	85613
AS16276 OVH SAS	Bondues	France	164.132.69.55	Nord-Pas-de-Calais	
	Helsinki	Finland	164.13.194.157	Uusimaa	00100
	London	United Kingdom	164.12.218.65	England	
	Columbus (East Columbus)	United States	164.105.189.180	Ohio	
	Nanterre	France	163.79.55.65	Île-de-France	
	Nanterre	France	163.78.68.2	Île-de-France	
	Nanterre	France	163.76.30.87	Île-de-France	
	Nanterre	France	163.76.150.133	Île-de-France	
	Shibuya (3)	Japan	163.59.187.136	Tokyo	
	New York	United States	163.36.15.60	New York	10013
	Meeker	United States	163.33.98.111	Oklahoma	74855
	Rosemead	United States	163.235.160.205	California	91770
	Saint Paul	United States	163.228.37.162	Minnesota	55128
	Pensacola (D)	United States	163.207.214.49	Florida	
	Durban	South Africa	163.199.231.217	KwaZulu-Natal	4001
	Durban	South Africa	163.199.224.203	KwaZulu-Natal	4001
	Akasia (Rosslyn)	South Africa	163.196.51.161	Gauteng	
AS6325 Illinois Century Network	Homewood	United States	163.191.180.91	Illinois	60430
AS17870 Kyung Hee University	Yongin-si	Republic of Korea	163.180.32.177	Gyeonggi-do	
	Ottawa	Canada	163.155.155.155	Ontario	K1A
	Greencastle	United States	163.120.231.198	Indiana	46135
	Nanterre	France	163.116.23.242	Île-de-France	
	Nanterre	France	163.111.235.163	Île-de-France	
	Nanterre	France	163.109.136.190	Île-de-France	
	Nanterre	France	163.109.103.220	Île-de-France	
	Nanterre	France	163.109.1.194	Île-de-France	
	Maumee	United States	162.74.1.15	Ohio	
	Toronto	Canada	162.73.122.62	Ontario	M9W
	Monmouth Junction	United States	162.55.32.59	New Jersey	08852
	San Francisco	United States	162.29.226.54	California	94104
	Zurich	Switzerland	162.26.157.195	Zurich	
AS54119 Elauwit, LLC	Atlanta	United States	162.242.93.134	Georgia	30341
	Calgary	Canada	162.139.136.55	Alberta	T2R
	Phoenix	United States	162.135.43.148	Arizona	85013
	Fuquay-Varina	United States	162.109.154.7	North Carolina	27526
	San Francisco	United States	162.102.12.246	California	94104

	Shinagawa	Japan	161.75.41.24	Ehime	
	Silver Spring (Woodmoor)	United States	161.70.122.243	Maryland	
	Burleson	United States	161.61.52.181	Texas	76028
AS26335 Middle Tennessee State University	Murfreesboro	United States	161.45.34.205	Tennessee	37132
	Towson	United States	161.36.205.247	Maryland	21286
	Santiago	Chile	161.238.75.36	Santiago Metropolitan	
	Columbus	United States	161.201.207.232	Nebraska	68602
	Austin	United States	161.192.72.114	Texas	78758
	Verona	Italy	161.147.206.7	Veneto	37100
	Palo Alto	United States	161.114.247.195	California	94304
AS20299 Newcom Limited	Tegucigalpa	Honduras	161.0.205.47	Departamento de Francisco Morazan	
	Montgomery	United States	160.31.20.203	Alabama	36114
	Rome	Italy	160.180.47.1	Latium	00134
AS174 Cogent Communications	Chicago	United States	160.121.237.205	Illinois	60602
	Racine	United States	159.61.171.152	Wisconsin	53404
	Stockholm	Sweden	159.200.133.35	Stockholm	
	Courbevoie	France	159.173.160.172	Île-de-France	92400
	Nanterre	France	159.151.181.228	Île-de-France	92000
	San Antonio	United States	159.135.185.149	Texas	78218
	Irving	United States	159.131.155.36	Texas	75039
	Mumbai	India	159.117.149.185	Maharashtra	
	La Crosse	United States	159.112.234.92	Wisconsin	
	Stockholm	Sweden	158.92.226.117	Stockholm	
	Durham	United States	158.87.25.142	North Carolina	27709
	Schenectady	United States	158.79.57.99	New York	12309
	Dublin	United States	158.77.149.206	California	94568
	Irving	United States	158.33.184.153	Texas	75039
	Calgary	Canada	158.26.58.167	Alberta	T2N
	Newark	United States	158.252.36.164	New Jersey	
	Newark	United States	158.252.15.86	New Jersey	
	Irving	United States	158.25.232.194	Texas	75039
	Anchorage	United States	158.222.49.199	Alaska	99503
	Zurich	Switzerland	158.216.115.185	Zurich	
AS2852 CESNET z.s.p.o.	Olomouc	Czechia	158.194.144.93	Olomoucky kraj	772 00
	Des Moines	United States	158.164.171.6	Iowa	50328
	Arcueil	France	158.156.209.9	Île-de-France	94110
	Oklahoma City	United States	158.146.251.85	Oklahoma	73123
	Espoo	Finland	158.131.45.94	Uusimaa	02770
	New York	United States	158.113.82.195	New York	10017

AS4597 Millipore Corp.	Billerica	United States	157.93.51.147	Massachusetts	01821
	Phoenix	United States	157.30.96.76	Arizona	85021
	Columbus	United States	157.215.187.99	Ohio	
	Chiyoda-ku (1)	Japan	157.2.246.122	Tokyo	
	Andover	United States	157.198.136.65	Massachusetts	01810
	Stockholm	Sweden	157.180.193.161	Stockholm	173 11
	Frankfurt am Main	Germany	157.162.92.154	Hesse	
	Camp Hill	United States	157.154.10.91	Pennsylvania	17012
	Northbrook	United States	156.78.117.149	Illinois	60062
	Englewood Cliffs	United States	156.5.249.78	New Jersey	07632
	Mount Horeb	United States	156.46.130.183	Wisconsin	53572
	Minneapolis	United States	156.36.51.246	Minnesota	55423
	Los Angeles	United States	156.19.186.92	California	90001
	Washington	United States	156.128.8.138	District of Columbia	20544
	Washington	United States	156.125.110.166	District of Columbia	20544
	Washington	United States	156.121.175.119	District of Columbia	20544
	Washington	United States	156.120.89.45	District of Columbia	20544
	New York	United States	155.195.153.84	New York	10022
	Indianapolis (Mile Square)	United States	155.164.103.136	Indiana	
	Indianapolis (Mile Square)	United States	155.162.150.101	Indiana	
AS12506 Inspiring Networks BV	Cape Town	South Africa	155.159.26.144	Province of the Western Cape	
	Edmonton	Canada	155.15.236.46	Alberta	T5J
	Santa Clara	United States	155.107.31.225	California	95051
	Boston	United States	155.1.57.131	Massachusetts	02205
	Port Louis	Mauritius	154.71.100.109	Port Louis District	
AS174 Cogent Communications	London	United Kingdom	154.60.70.4	England	EC2V
AS36974 AF NET Internet Services	Abidjan	Ivory Coast	154.233.127.70	Abidjan	
	Kampala (Central Kampala)	Uganda	154.230.73.127	Central Region	
	Kampala (Central Kampala)	Uganda	154.230.131.232	Central Region	
	Birmingham	United States	154.2.85.124	Alabama	35291
	Birmingham	United States	154.2.214.63	Alabama	35291
	Karlsruhe	Germany	153.98.249.6	Baden-Württemberg Region	76139
	Miamisburg	United States	153.64.120.176	Ohio	45342
AS62585 Messiah College	Mechanicsburg	United States	153.42.237.173	Pennsylvania	17055
	Newington	United States	153.4.187.245	Connecticut	06111
AS4713 NTT Communications Corporation	Joetsu	Japan	153.143.248.1	Niigata	943-0153
	El Segundo	United States	153.12.6.107	California	90245
	Brussels	Belgium	152.152.224.18	Brussels Capital	1012

	Springvale	Australia	152.147.238.89	Victoria	
	Phillipsburg	United States	152.138.14.70	New Jersey	08865
	Washington D.C. (Downtown)	United States	152.128.79.150	District of Columbia	
AS5607 Sky UK Limited	Lowestoft	United Kingdom	151.227.91.27	England	NR32
	Minneapolis	United States	151.215.245.168	Minnesota	55401
	London	United Kingdom	151.211.252.96	England	EC2V
	Springfield	United States	151.207.228.169	Virginia	22150
	Stamford	United States	151.191.138.47	Connecticut	06901
	Melbourne	United States	151.190.0.236	Florida	32919
	San Francisco	United States	151.167.80.87	California	94104
	Providence	United States	151.165.164.76	Rhode Island	02940
	New York	United States	151.158.221.95	New York	
	Solon	United States	151.137.132.161	Ohio	44139
	Dallas	United States	150.240.131.147	Texas	75244
	Dallas	United States	150.239.44.238	Texas	75244
	Rochester	United States	150.220.98.173	New York	14650
	Fort Huachuca	United States	150.194.163.231	Arizona	85613
	Orange	United States	150.153.47.130	Texas	
	Jinan	China	150.122.235.166	Shandong	
	Jinan	China	150.115.210.185	Shandong	
	Santa Clara	United States	149.96.222.220	California	95054
	Jersey City	United States	149.83.4.126	New Jersey	07306
	Provo	United States	149.44.143.61	Utah	84606
	Corning	United States	149.42.231.166	New York	14831
	Alpharetta	United States	149.21.196.179	Georgia	30005
	Sunbury-on-Thames	United Kingdom	149.192.145.87	England	TW16
	Sunbury-on-Thames	United Kingdom	149.190.241.188	England	TW16
	Sunbury-on-Thames	United Kingdom	149.187.244.79	England	TW16
	Sunbury-on-Thames	United Kingdom	149.183.246.80	England	TW16
	Sunbury-on-Thames	United Kingdom	149.177.45.207	England	TW16
	Seal Beach	United States	149.141.250.129	California	90740
	Mountain View	United States	149.117.255.50	California	94043
AS6591 Intergraph Corporation	Madison	United States	148.53.196.242	Alabama	35758
	Columbus (East Columbus)	United States	148.42.198.28	Ohio	
	Columbus (East Columbus)	United States	148.35.13.121	Ohio	

	Columbus (East Columbus)	United States	148.31.63.8	Ohio	
	Huntingwood	Australia	148.195.120.214	New South Wales	
	Richmond	United States	148.170.210.14	Virginia	23219
	Columbus (East Columbus)	United States	148.16.239.199	Ohio	
	Temple Terrace	United States	148.131.176.156	Florida	
	Akron	United States	148.108.29.45	Ohio	44308
AS26072 FirstEnergy	Akron	United States	148.108.101.129	Ohio	44326
	New York	United States	147.78.230.86	New York	
	Waltham	United States	147.23.93.28	Massachusetts	02451
	Parramatta	Australia	147.200.59.218	New South Wales	
	Fairfax	United States	147.195.85.155	Virginia	22037
	Fairfax	United States	147.195.147.71	Virginia	22037
	San Jose	United States	147.145.250.127	California	95131
	San Ramon	United States	146.45.207.117	California	94583
	San Ramon	United States	146.42.127.126	California	94583
	San Ramon	United States	146.38.119.59	California	94583
	San Ramon	United States	146.33.255.240	California	94583
	San Ramon	United States	146.28.122.36	California	94583
	Munich (Ramersdorf-Perlach)	Germany	146.253.125.60	Bavaria	
	San Ramon	United States	146.25.81.71	California	94583
	San Ramon	United States	146.25.75.161	California	94583
AS50608 Ventelo Hosting AS	Norway	United States	146.247.231.251	Maine	
AS13213 UK-2 Limited	London	United Kingdom	146.185.29.114	England	
	Columbus (East Columbus)	United States	146.17.28.81	Ohio	
AS786 Jisc Services Limited	London	United Kingdom	146.169.114.13	England	EC2V
	Santa Clara	United States	146.152.218.159	California	95052
	Brisbane	Australia	146.144.38.212	Queensland	
	Rotterdam	Netherlands	146.104.84.147	South Holland	3071
	Amstelveen	Netherlands	145.83.34.251	North Holland	1183
	Hall	Netherlands	145.82.66.214	Provincie Gelderland	
	Utrecht	Netherlands	145.67.106.141	Provincie Utrecht	3512
	Utrecht	Netherlands	145.6.100.199	Provincie Utrecht	3512
	The Hague (Scheveningen)	Netherlands	145.54.143.11	South Holland	
	Utrecht	Netherlands	145.41.124.116	Provincie Utrecht	3512
AS21299 2DAY Telecom LLP	Almaty	Kazakhstan	145.249.168.38	Almaty Qalasy	
	Paris	France	145.240.59.64	Île-de-France	
	Belfast	United Kingdom	145.229.187.50	Northern Ireland	BT1
	Crewe	United Kingdom	145.227.248.4	England	

	Utrecht	Netherlands	145.106.136.237	Provincie Utrecht	3512
	Old Whittington (Brimington Road North)	United Kingdom	144.87.61.62	England	
AS3243 Servicos De Comunicacoes E Multimedia S.A.	Cantanhede	Portugal	144.64.62.191	Coimbra	3060-123
	Marcq	France	144.56.216.13	Île-de-France	78770
AS58640 NEXTRA TELESERVICES PVT. LTD.	Gurgaon	India	144.48.78.41	Haryana	122016
	Fort Huachuca	United States	144.252.62.174	Arizona	85613
	Kokomo	United States	144.250.135.206	Indiana	46901
	Columbus (East Columbus)	United States	144.237.64.152	Ohio	
	Santa Ana	Costa Rica	144.22.216.161	Provincia de San Jose	10901
	Columbus (East Columbus)	United States	144.18.176.100	Ohio	
	Columbus (East Columbus)	United States	144.144.76.126	Ohio	
	Columbus (East Columbus)	United States	144.108.18.57	Ohio	
	Santa Clara	United States	143.185.100.13	California	95052
	Symonston	Australia	143.174.89.213	Australian Capital Territory	
	Montgomery	United States	143.123.80.245	Alabama	36114
	Montgomery	United States	143.123.214.143	Alabama	36114
	Ottawa	Canada	142.98.154.53	Ontario	K1G
	Scarborough	Canada	142.43.31.53	Ontario	M1W
	Scarborough	Canada	142.43.3.78	Ontario	M1W
	Verdun	Canada	142.248.127.108	Quebec	H3E
	Montreal (Verdun)	Canada	142.185.103.247	Quebec	
AS12188 Q9 Networks Inc.	Toronto	Canada	142.131.109.220	Ontario	M5V
	Ottawa (Industrial Park)	Canada	142.123.4.115	Ontario	
	Hinsdale	United States	142.11.158.234	Illinois	60521
AS47394 Albanian Satellite Communications sh.p.k.	Tirana	Albania	141.8.204.252	Qarku i Tiranës	
	Munich	Germany	141.73.211.90	Bavaria	80796
	Sarajevo	Bosnia and Herzegovina	141.29.222.229	Federation of Bosnia and Herzegovina	
	Woodland	United States	141.174.73.205	California	95695
	London	United Kingdom	141.143.26.179	England	
	Austin (Downtown)	United States	141.131.107.27	Texas	
AS26996 RYERSON UNIVERSITY	Toronto	Canada	141.117.126.69	Ontario	M5B
	Columbus	United States	140.9.238.221	Ohio	
	Boston	United States	140.82.143.131	Massachusetts	02110
	Columbus (East Columbus)	United States	140.68.131.142	Ohio	
	Columbus (East Columbus)	United States	140.45.114.197	Ohio	
	Columbus (East Columbus)	United States	140.24.125.27	Ohio	

	Columbus	United States	140.20.72.84	Ohio	
	Marathi	India	14.99.96.217	Maharashtra	
	Hyderabad	India	14.99.234.73	Telangana	
	Seoul (Hangang-daero)	Republic of Korea	14.5.174.253	Seoul	
AS4766 Korea Telecom	Seoul	Republic of Korea	14.39.204.61	Seoul	
AS4766 Korea Telecom	Seoul	Republic of Korea	14.32.59.72	Seoul	
	Hanoi	Vietnam	14.253.46.156	Thanh Pho Ha Noi	
AS134772 CHINANET Guangdong province Dongguan MAN network	Dongguan	China	14.221.165.184	Guangdong	
AS58543 Guangdong	Guangzhou	China	14.215.2.96	Guangdong	
	Berlin	Germany	139.89.75.20	Land Berlin	12529
AS21769 Colocation America Corporation	Quito	Ecuador	139.81.248.234	Provincia de Pichincha	
	San Ramon	United States	139.65.47.242	California	94583
AS680 Verein zur Foerderung eines Deutschen Forschungsnetzes e.V.	Cologne	Germany	139.6.164.38	North Rhine-Westphalia	50968
	Redwood City	United States	139.56.16.4	California	94063
	Temple Terrace	United States	139.49.253.20	Florida	
	Columbus (East Columbus)	United States	139.40.35.112	Ohio	
	Columbus (East Columbus)	United States	139.33.105.55	Ohio	
	Columbus (East Columbus)	United States	139.249.122.211	Ohio	
	Columbus	United States	139.239.123.91	Ohio	
	Dortmund	Germany	139.2.45.87	North Rhine-Westphalia	44147
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	139.196.229.211	Zhejiang	
	Beijing	China	139.186.145.73	Beijing	
	New York	United States	139.172.195.12	New York	10282
AS63949 Linode, LLC	Frankfurt am Main	Germany	139.162.160.198	Hesse	09039
	Bonn	Germany	139.12.151.42	North Rhine-Westphalia	53125
	Berlin	Germany	139.1.163.202	Land Berlin	12529
	New York	United States	138.8.37.162	New York	10282
	Alabaster	United States	138.76.233.68	Alabama	35007
	Columbus (East Columbus)	United States	138.45.202.169	Ohio	
	Palo Alto	United States	138.35.55.10	California	94304
	San Jose	United States	138.31.94.107	California	95134
	Bracknell	United Kingdom	138.3.110.230	England	RG12
	Newark	United States	138.226.132.54	New Jersey	
AS24940 Hetzner Online GmbH	Balingen	Germany	138.201.50.20	Baden-Württemberg Region	72336
	Columbus	United States	138.182.200.131	Ohio	



	East Alton	United States	138.105.45.8	Illinois	62024
	Las Vegas	United States	137.91.154.114	Nevada	89101
	Mount Laurel	United States	137.72.35.131	New Jersey	08054
	Minneapolis	United States	137.70.243.86	Minnesota	55487
	Minneapolis	United States	137.70.190.161	Minnesota	55487
	Cotonou (Saint-Jean)	Benin	137.255.76.162	Littoral	
	Columbus (East Columbus)	United States	137.233.112.19	Ohio	
	Columbus (East Columbus)	United States	137.211.206.78	Ohio	
	Houston	United States	137.206.246.164	Texas	77210
	Blantyre (Chichiri)	Malawi	137.196.132.135	Southern Region	
	Columbus	United States	137.13.82.196	Ohio	
	Beverly Hills	United States	137.114.75.163	California	90210
	Glasgow	United Kingdom	137.105.103.223	Scotland	G42
	Dearborn	United States	136.96.106.152	Michigan	48121
	Dearborn	United States	136.9.2.157	Michigan	48121
	Dearborn	United States	136.86.5.190	Michigan	48121
	Dearborn	United States	136.78.215.164	Michigan	48121
	Dearborn	United States	136.77.38.59	Michigan	48121
AS16591 Google Fiber Inc.	Austin	United States	136.62.24.71	Texas	78704
	Brisbane	Australia	136.236.189.133	Queensland	4000
	Baden-Baden	Germany	136.230.19.206	Baden-Württemberg Region	76532
	Denver	United States	136.175.148.210	Colorado	80237
AS4130 University of Pittsburgh	Pittsburgh	United States	136.142.134.28	Pennsylvania	15260
	Dearborn	United States	136.132.184.249	Michigan	48121
	Dearborn	United States	136.13.177.110	Michigan	48121
	Dearborn	United States	136.118.176.239	Michigan	48121
	Dearborn	United States	136.116.236.124	Michigan	48121
	Dearborn	United States	136.112.91.239	Michigan	48121
	Indianapolis (Mile Square)	United States	135.96.225.42	Indiana	
	Indianapolis (Mile Square)	United States	135.89.121.70	Indiana	
	Indianapolis (Mile Square)	United States	135.71.129.149	Indiana	
	Inglewood	United States	135.42.232.11	California	90301
	Indianapolis (Mile Square)	United States	135.31.157.93	Indiana	
	Indianapolis (Mile Square)	United States	135.29.40.42	Indiana	
	Indianapolis (Mile Square)	United States	135.28.30.7	Indiana	
	Beverly Hills	United States	135.21.99.58	California	90210
	Indianapolis	United States	135.198.103.206	Indiana	
	Indianapolis (Mile Square)	United States	135.172.66.28	Indiana	
	Daly City	United States	135.17.90.231	California	94014

	Las Vegas	United States	135.168.46.80	Nevada	89142
	Indianapolis (Mile Square)	United States	135.161.112.129	Indiana	
	Beverly Hills	United States	135.160.93.231	California	90209
	Indianapolis (Mile Square)	United States	135.16.147.112	Indiana	
	Indianapolis (Mile Square)	United States	135.154.207.120	Indiana	
	Indianapolis (Mile Square)	United States	135.154.102.7	Indiana	
	Indianapolis (Mile Square)	United States	135.143.105.189	Indiana	
AS680 Verein zur Foerderung eines Deutschen Forschungsnetzes e.V.	Duisburg	Germany	134.91.219.190	North Rhine-Westphalia	47138
	Beaverton	United States	134.62.84.89	Oregon	97077
	The Hague (Belgisch Park)	Netherlands	134.203.152.158	South Holland	
	Kanata	Canada	134.199.234.215	Ontario	K2K
	Denver	United States	134.133.154.167	Colorado	80221
	San Diego	United States	134.120.74.119	California	92123
	Naha	Japan	133.151.118.217	Okinawa	
	Koto-ku (15)	Japan	133.134.52.151	Tokyo	
	Tamano (Hazama)	Japan	133.133.196.162	Okayama	
	Asa-kita Ku (8)	Japan	133.129.68.71	Hiroshima	
	San Rafael	United States	132.188.5.97	California	94903
AS6360 University of Hawaii	Pahoa	United States	132.160.20.24	Hawaii	96778
	Columbus (East Columbus)	United States	132.144.229.67	Ohio	
	Ottawa	Canada	131.134.15.130	Ontario	K1G
	Irving	United States	131.126.204.69	Texas	75039
	Richland	United States	130.97.5.132	Washington	99354
	Indianapolis (Mile Square)	United States	130.9.136.119	Indiana	
	Thousand Oaks	United States	130.50.251.22	California	91360
	Mississauga	Canada	130.2.90.128	Ontario	L5N
AS6830 Liberty Global Operations B.V.	Kempen	Germany	130.180.29.41	North Rhine-Westphalia	47906
AS17001 University of Manitoba	Winnipeg	Canada	130.179.40.250	Manitoba	R3T
	Basildon	United Kingdom	130.148.192.116	England	SS16
	Eindhoven	Netherlands	130.147.13.87	North Brabant	5612
	Eindhoven	Netherlands	130.145.16.220	North Brabant	5612
	Chicago	United States	130.121.10.114	Illinois	60606
	Norwalk	United States	13.51.82.26	Connecticut	06850
	Norwalk	United States	13.5.231.241	Connecticut	06850
	Norwalk	United States	13.48.208.109	Connecticut	06850
	Norwalk	United States	13.36.92.79	Connecticut	06850
AS16509 Amazon.com, Inc.	Seattle	United States	13.33.173.247	Washington	98109
	Newark	United States	13.242.4.55	New Jersey	
	Norwalk	United States	13.227.150.11	Connecticut	06850

	Newark	United States	13.180.251.76	New Jersey	
	Newark	United States	13.176.27.233	New Jersey	
	Norwalk	United States	13.167.38.156	Connecticut	06850
	Norwalk	United States	13.153.199.31	Connecticut	06850
	Norwalk	United States	13.139.43.29	Connecticut	06850
	Simi Valley	United States	129.47.153.211	California	93063
	Ouagadougou	Burkina Faso	129.45.230.148	Centre	
	Lake Mary	United States	129.36.154.39	Florida	
	Scotts Valley	United States	129.216.202.27	California	95066
	Beijing	China	129.204.163.238	Beijing	
	El Segundo	United States	128.99.114.83	California	90245
	Boston	United States	128.81.160.212	Massachusetts	02110
AS3292 Tele Danmark	Vejle	Denmark	128.76.143.78	South Denmark	7100
	Southborough	United States	128.222.122.45	Massachusetts	01772
	Southborough	United States	128.221.248.181	Massachusetts	01772
	Montgomery	United States	128.216.108.62	Alabama	36114
	Palo Alto	United States	128.212.179.154	California	94304
AS270 National Aeronautics and Space Administration	Huntsville	United States	128.157.239.119	Alabama	35812
AS17676 Softbank BB Corp.	Tokyo	Japan	126.203.190.65	Tokyo	190-0031
AS17676 Softbank BB Corp.	Minokamo	Japan	126.122.133.74	Gifu	505-0043
AS58466 CHINANET Guangdong province network	Guangzhou	China	125.88.199.141	Guangdong	
AS4134 No.31,Jin-rong Street	Chongqing	China	125.84.219.143	Chongqing	
AS4766 Korea Telecom	Seongnam-si	Republic of Korea	125.7.139.72	Gyeonggi-do	
AS4134 No.31,Jin-rong Street	Mianyang	China	125.65.92.248	Sichuan	
	Chaoyang	China	125.61.198.115	Liaoning	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	125.38.86.65	Tianjin	
	Guangzhou	China	125.169.242.2	Guangdong	
AS17974 PT Telekomunikasi Indonesia	Surabaya	Indonesia	125.164.25.165	East Java	
AS9498 BHARTI Airtel Ltd.	Nirmal	India	125.16.146.194	Telangana	
	Makati City	Philippines	124.19.208.121	National Capital Region	
	Guangzhou	China	124.174.4.252	Guangdong	
AS2514 NTT PC Communications, Inc.	Soka	Japan	124.154.118.74	Saitama	340-0043
AS4134 No.31,Jin-rong Street	Ürümqi	China	124.117.45.124	Xinjiang	
AS4134 No.31,Jin-rong Street	Hefei	China	124.112.202.248	Anhui	
AS17857 NAKDONGDIGITALBUSANNET-AS-	Suwon	Republic of Korea	123.99.99.97	Gyeonggi-do	
AS9394 China TieTong Telecommunications Corporation	Beijing	China	123.70.207.212	Beijing	
	Mumbai	India	123.239.144.125	Maharashtra	

AS17939 miyazaki cabletelevision network Co.,LTD	Miyazaki	Japan	123.176.178.81	Miyazaki	880-0803
AS4134 No.31,Jin-rong Street	Kaifeng	China	123.163.157.126	Henan	
AS17638 ASN for TIANJIN Provincial Net of CT	Tianjin	China	123.151.173.224	Tianjin	
AS4837 CHINA UNICOM China169 Backbone	Zhengzhou	China	123.15.62.116	Henan	
AS4808 China Unicom Beijing Province Network	Beijing	China	123.118.214.239	Beijing	
AS17506 UCOM Corp.	Saitama	Japan	122.221.226.9	Saitama	330-0063
AS17506 UCOM Corp.	Tokyo	Japan	122.209.140.33	Tokyo	190-0031
AS24560 Bharti Airtel Ltd., Telemedia Services	Noida	India	122.177.116.41	Uttar Pradesh	201301
AS45090 Shenzhen Tencent Computer Systems Company Limited	Beijing	China	122.152.214.179	Beijing	
	Jakarta	Indonesia	121.50.33.86	Jakarta	
	Shenzhen	China	121.36.41.104	Guangdong	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	121.21.24.194	Hebei	
AS4766 Korea Telecom	Seoul	Republic of Korea	121.171.47.146	Seoul	
AS4766 Korea Telecom	Seoul	Republic of Korea	121.139.176.141	Seoul	
AS9318 SK Broadband Co Ltd	Incheon	Republic of Korea	121.125.52.25	Incheon	
	Beijing	China	120.46.241.135	Beijing	
AS4134 No.31,Jin-rong Street	Ningde	China	120.35.175.225	Fujian	
AS38372 FoShan RuiJiang Science and Tech Ltd.	Foshan	China	120.31.164.226	Guangdong	
AS10054 CMB Kwangju Broadcasting	Gwangju	Republic of Korea	120.29.136.39	Gwangju	
AS37963 Hangzhou Alibaba Advertising Co.,Ltd.	Hangzhou	China	120.26.17.209	Zhejiang	
AS7018 AT&T; Services, Inc.	Duluth	United States	12.41.102.82	Georgia	
AS7018 AT&T; Services, Inc.	Greenville	United States	12.231.4.233	South Carolina	29615
	Hong Kong	Hong Kong	119.9.216.46	Central and Western	
	Changsha	China	119.45.48.6	Hunan	
	Gurgaon (Sector 18)	India	119.43.139.58	Haryana	
AS4837 CHINA UNICOM China169 Backbone	Heze	China	119.187.117.22	Shandong	
AS4837 CHINA UNICOM China169 Backbone	Zibo	China	119.182.178.57	Shandong	
AS45306 KHASANAH TEKNOLOGI PERSADA, PT	Bandung	Indonesia	119.15.132.12	West Java	
	Jakarta	Indonesia	118.98.249.227	Jakarta	

AS4837 CHINA UNICOM China169 Backbone	Taiyuan	China	118.77.35.159	Shanxi Sheng	
AS18403 The Corporation for Financing & Promoting Technology	Hanoi	Vietnam	118.71.10.26	Thanh Pho Ha Noi	
AS4766 Korea Telecom	Seongnam-si (Buljeong-ro)	Republic of Korea	118.51.17.40	Gyeonggi-do	
AS9506 Singtel Fibre Broadband	Singapore	Singapore	118.200.103.167	Central Singapore Community Development Council	
AS131293 TOT Public Company Limited	Krabi	Thailand	118.174.40.5	Changwat Krabi	
AS23969 TOT Public Company Limited	Bangkok	Thailand	118.173.210.121	Bangkok	
	Beijing	China	118.147.198.142	Beijing	
AS7552 Viettel Group	Hanoi	Vietnam	117.5.245.174	Thanh Pho Ha Noi	
AS4134 No.31,Jin-rong Street	Xi'an	China	117.23.41.124	Shaanxi	
AS9808 Guangdong Mobile Communication Co.Ltd.	Jingdezhen	China	117.170.149.63	Jiangxi	
AS4837 CHINA UNICOM China169 Backbone	Tianjin	China	117.12.62.27	Tianjin	
	Shanghai	China	116.66.125.17	Shanghai	
AS4134 No.31,Jin-rong Street	Kunming	China	116.54.79.82	Yunnan	
AS4134 No.31,Jin-rong Street	Shenzhen	China	116.26.160.100	Guangdong	
	Beijing	China	116.244.37.3	Beijing	
AS17816 China Unicom IP network China169 Guangdong province	Beijing	China	116.217.94.109	Beijing	
AS135610 HostLink	Richmond	Australia	116.206.185.46	Victoria	3121
	South Brisbane	Australia	116.204.236.3	Queensland	
	Beijing	China	116.190.66.24	Beijing Shi	
	Beijing	China	116.187.232.184	Beijing Shi	
	Beijing	China	116.165.213.88	Beijing Shi	
	Beijing	China	116.142.56.55	Beijing Shi	
AS7552 Viettel Group	Thanh Pho Thai Binh	Vietnam	116.107.112.48	Tinh Thai Binh	
AS18101 Reliance Communications Ltd.DAKC MUMBAI	Kolkata	India	115.249.144.122	West Bengal	
AS4134 No.31,Jin-rong Street	Pinghu	China	115.228.239.177	Zhejiang	
AS4847 China Networks Inter-Exchange	Beijing	China	115.170.219.79	Beijing	
AS4766 Korea Telecom	Seoul (Juheung 9-gil)	Republic of Korea	115.144.99.208	Seoul	
	Beijing	China	115.104.7.150	Beijing	
	Beijing	China	115.103.176.145	Beijing	
	Jakarta	Indonesia	114.9.137.198	Jakarta	
AS4812 China Telecom (Group)	Shanghai	China	114.87.37.117	Shanghai	
	Beijing	China	114.68.226.7	Beijing	

AS3462 Data Communication Business Group	Kaohsiung City	Taiwan	114.47.200.73	Kaohsiung	
AS4808 China Unicom Beijing Province Network	Beijing	China	114.254.194.127	Beijing	
AS4808 China Unicom Beijing Province Network	Beijing	China	114.254.104.248	Beijing	
AS4134 No.31,Jin-rong Street	Nanjing	China	114.237.182.235	Jiangsu	
	Beijing	China	114.208.126.49	Beijing	
AS4713 NTT Communications Corporation	Chiba	Japan	114.149.201.187	Chiba	260-0854
AS58466 CHINANET Guangdong province network	Shenzhen	China	114.119.45.57	Guangdong	
AS4134 No.31,Jin-rong Street	Chanshan	China	114.102.76.13	Jiangsu	
	Jakarta	Indonesia	114.1.244.201	Jakarta	
	Jakarta	Indonesia	114.1.156.103	Jakarta	
	Shanghai	China	113.52.161.200	Shanghai	
	Shanghai	China	113.202.207.125	Shanghai	
AS4134 No.31,Jin-rong Street	Xi'an	China	113.121.145.155	Shaanxi	
AS24444 Shandong Mobile Communication Company Limited	Jinan	China	112.8.11.140	Shandong	
AS17511 K-Opticom Corporation	Wakayama	Japan	112.69.143.61	Wakayama	640-8269
AS4134 No.31,Jin-rong Street	Haikou	China	112.67.109.229	Hainan	
AS3786 LG DACOM Corporation	Seoul (Hangang-daero)	Republic of Korea	112.220.109.9	Seoul	
AS4134 No.31,Jin-rong Street	Harbin	China	112.102.132.180	Heilongjiang	
	Taipei	Taiwan	111.81.12.182	Taipei City	
	Beijing	China	110.95.126.47	Beijing	
AS4837 CHINA UNICOM China169 Backbone	Baotou	China	110.6.49.253	Inner Mongolia Autonomous Region	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	110.247.1.36	Hebei	
AS4837 CHINA UNICOM China169 Backbone	Hebei	China	110.244.142.251	Hebei	
AS4134 No.31,Jin-rong Street	Taiyuan	China	110.178.98.108	Shanxi	
AS18002 AS Number for Interdomain Routing	Ghaziabad	India	110.172.155.27	Uttar Pradesh	201010
	Denver	United States	11.90.36.171	Colorado	80206
	Columbus (East Columbus)	United States	11.73.156.46	Ohio	
	Columbus (East Columbus)	United States	11.61.1.221	Ohio	
	Costa Mesa	United States	11.60.132.103	California	92627
	Mission Viejo	United States	11.59.30.223	California	92691
	San Bernardino	United States	11.49.67.29	California	92404
	San Antonio	United States	11.252.127.31	Texas	78240
	Wilsonville	United States	11.196.4.134	Oregon	97070

	Columbus (East Columbus)	United States	11.195.50.38	Ohio	
	Blairstown	United States	11.191.5.37	New Jersey	07825
	Brooklyn	United States	11.187.172.68	New York	11234
	Brooklyn	United States	11.184.253.151	New York	11236
	New Salem	United States	11.180.135.1	Massachusetts	01355
	Columbus (East Columbus)	United States	11.168.253.127	Ohio	
	San Diego	United States	11.156.39.1	California	92102
	Cypress	United States	11.146.9.23	California	90630
	Garden Grove	United States	11.145.63.72	California	92840
	Columbus (East Columbus)	United States	11.143.77.212	Ohio	
	Columbus (East Columbus)	United States	11.140.95.224	Ohio	
	Columbus (East Columbus)	United States	11.138.165.60	Ohio	
	San Antonio	United States	11.134.125.193	Texas	78232
	Fort Worth	United States	11.127.26.122	Texas	76107
	Fort Worth	United States	11.126.136.178	Texas	76195
	Arlington	United States	11.122.222.35	Texas	76011
	Irving	United States	11.121.138.246	Texas	75061
	Rockville	United States	11.111.46.12	Maryland	20847
AS13188 Content Delivery Network Ltd	Kharkiv	Ukraine	109.87.92.249	Kharkivs'ka Oblast'	61036
AS15557 SFR SA	Saint-Michel-sur-Orge	France	109.7.126.83	Île-de-France	91240
AS12714 Net By Net Holding LLC	Moscow	Russia	109.63.129.204	Moscow	127287
AS50449 Limited Liability Company Kvant	Zaraysk	Russia	109.237.225.125	Moscow Oblast	140601
AS15557 SFR SA	Beaumont-Monteux	France	109.23.148.161	Auvergne-Rhone-Alpes	26600
AS34754 Telnet Limited	Veliko Tarnovo	Bulgaria	109.199.128.232	Oblast Veliko Tarnovo	5000
AS12389 PJSC Rostelecom	Rostov-on-Don	Russia	109.165.8.196	Rostov	344000
AS30722 Vodafone Italia S.p.A.	Longare	Italy	109.115.70.95	Veneto	36023
AS50977 Esycor S.A.	Montilla	Spain	109.107.101.2	Andalusia	14550
AS6407 Primus Telecommunications Canada Inc.	Toronto	Canada	108.63.140.113	Ontario	M6G
AS5650 Frontier Communications of America, Inc.	El Segundo	United States	108.47.43.15	California	90245
AS701 MCI Communications Services, Inc. d/b/a Verizon Business	McKees Rocks	United States	108.39.208.235	Pennsylvania	15136
AS7018 AT&T; Services, Inc.	Houston	United States	108.234.236.68	Texas	77020
AS20001 Time Warner Cable Internet LLC	La Puente	United States	108.184.27.184	California	91744
AS22646 Hargray Communications Group, Inc.	Bluffton	United States	108.175.192.206	South Carolina	29910
	Newark	United States	108.158.56.221	New Jersey	
	Chicago	United States	108.123.106.172	Illinois	
	Newark	United States	107.86.122.42	New Jersey	
	Newark	United States	107.82.40.16	New Jersey	

	Newark	United States	107.79.42.185	New Jersey	
	Newark	United States	107.78.254.157	New Jersey	
	Newark	United States	107.66.234.215	New Jersey	
	Newark	United States	107.56.55.238	New Jersey	
	Newark	United States	107.56.253.5	New Jersey	
AS36352 ColoCrossing	San Jose	United States	107.173.110.144	California	95113
	Redford	United States	107.147.246.217	Michigan	48239
AS33363 BRIGHT HOUSE NETWORKS, LLC	Bakersfield	United States	107.146.229.147	California	93305
AS33363 BRIGHT HOUSE NETWORKS, LLC	Bakersfield	United States	107.146.194.41	California	93309
AS7018 AT&T; Services, Inc.	Chicago	United States	107.143.242.195	Illinois	60638
	Newark	United States	107.127.116.193	New Jersey	
	Newark	United States	107.125.202.73	New Jersey	
	Newark	United States	107.125.158.118	New Jersey	
	Newark	United States	107.117.51.86	New Jersey	
	Newark	United States	107.116.98.77	New Jersey	
	Newark	United States	107.115.127.154	New Jersey	
	Newark	United States	107.104.159.15	New Jersey	
	Newark	United States	107.101.170.241	New Jersey	
	Kunming	China	106.63.174.179	Yunnan	
	Beijing	China	106.48.8.189	Beijing	
	Bengaluru	India	106.214.10.70	Karnataka	
	Cape Town (Cape Town City Centre)	South Africa	105.246.194.98	Western Cape	
AS36903 MT-MPLS	Tangier	Morocco	105.158.186.250	Tanger-Tetouan-Al Hoceima	
	Lagos (Ikoyi)	Nigeria	105.124.180.210	Lagos	
	Lagos (Ikoyi)	Nigeria	105.120.123.90	Lagos	
AS36947 Telecom Algeria	Algiers	Algeria	105.107.56.150	Wilaya d' Alger	
AS33662 Comcast Cable Communications, LLC	Cambridge	United States	104.67.219.67	Massachusetts	02142
AS16625 Akamai Technologies, Inc.	Beverly Hills	United States	104.65.3.69	California	90210
AS13335 Cloudflare Inc	Montreal	Canada	104.24.82.173	Quebec	
AS13335 Cloudflare Inc	Montreal	Canada	104.24.79.225	Quebec	
AS5650 Frontier Communications of America, Inc.	Rutledge	United States	104.235.217.90	Tennessee	37861
AS40676 Psychz Networks	Walnut	United States	104.217.159.148	California	91789
AS40676 Psychz Networks	Walnut	United States	104.216.95.194	California	91789
AS18978 Enzu Inc	Los Angeles	United States	104.202.11.11	California	90017
AS13335 Cloudflare Inc	Montreal	Canada	104.20.82.67	Quebec	
AS13335 Cloudflare Inc	Montreal	Canada	104.20.128.198	Quebec	
AS36114 Versaweb, LLC	Las Vegas	United States	104.194.11.1	Nevada	89119



AS33363 BRIGHT HOUSE NETWORKS, LLC	Lake Mary	United States	104.136.59.87	Florida	32746
AS8100 QuadraNet, Inc	Los Angeles	United States	104.129.3.175	California	90014
AS16625 Akamai Technologies, Inc.	Cambridge	United States	104.116.105.194	Massachusetts	02142
AS20940 Akamai International B.V.	Amsterdam	Netherlands	104.107.146.146	North Holland	1091
AS16625 Akamai Technologies, Inc.	Amsterdam	Netherlands	104.102.36.236	North Holland	1091
	Bengaluru	India	103.95.200.170	Karnataka	
	Beijing	China	103.87.7.23	Beijing	
	Surat (Magob)	India	103.77.99.144	Gujarat	
	Shenyang	China	103.57.79.179	Liaoning	
	Ahmedabad (Navrangpura)	India	103.54.22.219	Gujarat	
AS134066 Lynuxtel Malaysia Sdn Bhd	Kuala Lumpur	Malaysia	103.50.167.96	Kuala Lumpur	50586
	Pathum Wan	Thailand	103.5.27.223	Bangkok	
	Wuhan	China	103.32.244.161	Hubei	
	South Brisbane	Australia	103.172.179.234	Queensland	
	South Brisbane	Australia	103.168.79.171	Queensland	
	South Brisbane	Australia	103.165.196.212	Queensland	
	South Brisbane	Australia	103.161.13.224	Queensland	
	South Brisbane	Australia	103.156.25.202	Queensland	
	South Brisbane	Australia	103.148.10.79	Queensland	
AS24482 SG.GS	London	United Kingdom	103.14.247.26	England	EC2V
	South Brisbane	Australia	103.135.68.168	Queensland	
	Yongin-si	Republic of Korea	103.13.163.140	Gyeonggi-do	
	South Brisbane	Australia	103.129.174.220	Queensland	
	South Brisbane	Australia	103.117.169.14	Queensland	
	South Brisbane	Australia	103.113.207.14	Queensland	
	Ebene CyberCity	Mauritius	102.95.34.31	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.74.141.94	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.72.73.26	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.69.75.22	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.49.63.139	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.39.94.116	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.34.190.197	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.27.204.182	Plaines Wilhems District	
AS37251 TELKOMMOBILE	Johannesburg	South Africa	102.248.240.183	Gauteng	2000
	Ebene CyberCity	Mauritius	102.237.248.43	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.231.157.205	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.23.127.2	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.226.60.123	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.226.13.53	Plaines Wilhems District	

	Ebene CyberCity	Mauritius	102.225.86.207	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.211.114.199	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.209.225.58	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.200.97.173	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.2.29.222	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.154.166.64	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.145.58.65	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.143.101.35	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.12.45.16	Plaines Wilhems District	
	Ebene CyberCity	Mauritius	102.100.123.5	Plaines Wilhems District	
AS4812 China Telecom (Group)	Shanghai	China	101.89.155.216	Shanghai	
	Beijing	China	101.34.248.30	Beijing	
AS7497 Computer Network Information Center	Beijing	China	101.252.126.81	Beijing	
	Beijing	China	101.195.224.58	Beijing	
	Seattle	United States	100.26.128.107	Washington	98108
AS4837 CHINA UNICOM China169 Backbone	Chifeng	China	1.27.87.254	Inner Mongolia Autonomous Region	
AS9318 SK Broadband Co Ltd	Incheon	Republic of Korea	1.227.210.29	Incheon	
AS4134 No.31,Jin-rong Street	Guiyang	China	1.205.254.209	Guizhou	
	Beijing	China	1.116.90.72	Beijing	