

IP addresses are managed by the Internet Assigned Numbers Authority (IANA) and its regional registries to various organizations worldwide. In this report, we have collected some data with regards to IPv4 address allocations in 2019 based on the IP2Location.

Over the past 2 years, the top 25 countries remained the same except France & Brazil swapping places.

From the 27th to 64th positions, it is mostly red arrows denoting drops in the rankings. This is possibly due to the ISPs migrating their users to IPv6.

The same trend can be seen from the 75th to the 92nd which seems to indicate a global pattern of IPv4 allocations reducing.

From the chart analysis (see Chart 2), the allocation rates for most countries are relatively flat throughout the year.

References:

IP2Location Internet IP Address Year 2019 Report
<http://www.ip2location.com/reports/internet-ip-address-2019-report>

Table 1: The Percentage of IP Address Ownership by Country in 2019

ISO Country Code	Country Name	Total IPs	Percentage	2019 Ranking	2018 Ranking
US	UNITED STATES	1,259,044,561	37.4654%	1	1
CN	CHINA	344,356,448	10.2470%	2	2
JP	JAPAN	211,871,239	6.3047%	3	3
DE	GERMANY	127,657,241	3.7987%	4	4
GB	UNITED KINGDOM	121,437,491	3.6136%	5	5
KR	KOREA REPUBLIC OF	112,613,504	3.3510%	6	6
BR	BRAZIL	86,406,679	2.5712%	7	8
FR	FRANCE	83,390,116	2.4814%	8	7
CA	CANADA	70,958,111	2.1115%	9	9
IT	ITALY	56,023,808	1.6671%	10	10
NL	NETHERLANDS	53,784,602	1.6005%	11	11
AU	AUSTRALIA	51,571,222	1.5346%	12	12
RU	RUSSIAN FEDERATION	45,615,858	1.3574%	13	13
IN	INDIA	42,996,882	1.2795%	14	14
TW	TAIWAN PROVINCE OF CHINA	35,910,677	1.0686%	15	15
ES	SPAIN	34,090,906	1.0144%	16	16
ZA	SOUTH AFRICA	31,240,110	0.9296%	17	17
MX	MEXICO	29,298,346	0.8718%	18	18
SE	SWEDEN	28,658,761	0.8528%	19	19
EG	EGYPT	23,526,153	0.7001%	20	20
PL	POLAND	21,185,360	0.6304%	21	21
CH	SWITZERLAND	20,402,692	0.6071%	22	22
AR	ARGENTINA	19,386,548	0.5769%	23	23
ID	INDONESIA	18,779,123	0.5588%	24	24
CO	COLOMBIA	17,475,829	0.5200%	25	25
HK	HONG KONG	16,836,898	0.5010%	26	29
TR	TURKEY	16,771,010	0.4991%	27	26
VN	VIET NAM	16,027,434	0.4769%	28	27
NO	NORWAY	15,707,340	0.4674%	29	28
FI	FINLAND	14,560,179	0.4333%	30	30
DK	DENMARK	13,166,434	0.3918%	31	31
IE	IRELAND	13,158,607	0.3916%	32	36
IR	IRAN ISLAMIC REPUBLIC OF	12,569,078	0.3740%	33	32
BE	BELGIUM	12,367,504	0.3680%	34	34
MA	MOROCCO	12,092,490	0.3598%	35	38
SG	SINGAPORE	11,672,375	0.3473%	36	33
UA	UKRAINE	11,580,996	0.3446%	37	35
AT	AUSTRIA	11,207,804	0.3335%	38	37
SA	SAUDI ARABIA	10,426,970	0.3103%	39	41
CL	CHILE	10,147,892	0.3020%	40	39

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TH	THAILAND	9,387,857	0.2794%	41	40	↓
MU	MAURITIUS	9,243,498	0.2751%	42	58	↑
CZ	CZECH REPUBLIC	8,666,484	0.2579%	43	42	↓
RO	ROMANIA	8,429,230	0.2508%	44	43	↓
IL	ISRAEL	8,328,093	0.2478%	45	44	↓
NZ	NEW ZEALAND	7,278,527	0.2166%	46	45	↓
TN	TUNISIA	7,174,090	0.2135%	47	49	↑
VE	VENEZUELA BOLIVARIAN REPUBLIC OF	6,807,318	0.2026%	48	46	↓
MY	MALAYSIA	6,704,836	0.1995%	49	47	↓
PT	PORTUGAL	6,699,272	0.1994%	50	48	↓
HU	HUNGARY	5,981,253	0.1780%	51	50	↓
PK	PAKISTAN	5,774,248	0.1718%	52	54	↑
PH	PHILIPPINES	5,764,134	0.1715%	53	53	
GR	GREECE	5,715,207	0.1701%	54	51	↓
KE	KENYA	5,691,742	0.1694%	55	52	↓
DZ	ALGERIA	4,799,342	0.1428%	56	55	↓
BG	BULGARIA	4,395,085	0.1308%	57	56	↓
AE	UNITED ARAB EMIRATES	3,996,302	0.1189%	58	57	↓
KZ	KAZAKHSTAN	3,199,384	0.0952%	59	60	↑
NG	NIGERIA	3,180,203	0.0946%	60	64	↑
PE	PERU	3,119,960	0.0928%	61	59	↓
LT	LITHUANIA	3,087,225	0.0919%	62	61	↓
HR	CROATIA	2,920,804	0.0869%	63	62	↓
SK	SLOVAKIA	2,822,784	0.0840%	64	63	↓
EC	ECUADOR	2,729,526	0.0812%	65	65	
SI	SLOVENIA	2,671,033	0.0795%	66	66	
CR	COSTA RICA	2,533,758	0.0754%	67	67	
UY	URUGUAY	2,464,927	0.0733%	68	68	
RS	SERBIA	2,390,040	0.0711%	69	69	
GH	GHANA	2,262,677	0.0673%	70	70	
KW	KUWAIT	1,978,014	0.0589%	71	71	
BY	BELARUS	1,933,002	0.0575%	72	72	
LV	LATVIA	1,920,974	0.0572%	73	73	
SD	SUDAN	1,892,167	0.0563%	74	77	↑
PA	PANAMA	1,773,036	0.0528%	75	74	↓
BD	BANGLADESH	1,660,490	0.0494%	76	78	↑
ZM	ZAMBIA	1,659,793	0.0494%	77	79	↑
LU	LUXEMBOURG	1,610,163	0.0479%	78	75	↓
DO	DOMINICAN REPUBLIC	1,596,456	0.0475%	79	76	↓
UG	UGANDA	1,444,516	0.0430%	80	90	↑
EE	ESTONIA	1,417,687	0.0422%	81	80	↓
PR	PUERTO RICO	1,380,886	0.0411%	82	81	↓
MD	MOLDOVA REPUBLIC OF	1,358,868	0.0404%	83	82	↓
SY	SYRIAN ARAB REPUBLIC	1,290,778	0.0384%	84	83	↓
GE	GEORGIA	1,248,484	0.0372%	85	85	
AO	ANGOLA	1,246,976	0.0371%	86	84	↓

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CI	COTE D'IVOIRE	1,186,681	0.0353%	87	89	↑
BO	BOLIVIA PLURINATIONAL STATE OF	1,168,658	0.0348%	88	86	↓
PY	PARAGUAY	1,139,624	0.0339%	89	87	↓
TZ	TANZANIA UNITED REPUBLIC OF	1,096,395	0.0326%	90	88	↓
OM	OMAN	974,423	0.0290%	91	92	↑
CY	CYPRUS	973,711	0.0290%	92	91	↓
IS	ICELAND	911,804	0.0271%	93	93	
QA	QATAR	860,316	0.0256%	94	94	
BA	BOSNIA AND HERZEGOVINA	834,071	0.0248%	95	95	
AZ	AZERBAIJAN	765,751	0.0228%	96	96	
CM	CAMEROON	721,056	0.0215%	97	97	
MK	NORTH MACEDONIA	720,889	0.0215%	98	98	
PS	PALESTINE STATE OF	716,526	0.0213%	99	101	↑
JO	JORDAN	694,758	0.0207%	100	99	↓
SV	EL SALVADOR	689,463	0.0205%	101	100	↓
IQ	IRAQ	686,519	0.0204%	102	103	↑
MT	MALTA	657,689	0.0196%	103	106	↑
GT	GUATEMALA	649,006	0.0193%	104	102	↓
LB	LEBANON	646,946	0.0193%	105	104	↓
AM	ARMENIA	635,814	0.0189%	106	105	↓
BH	BAHRAIN	577,166	0.0172%	107	111	↑
LK	SRI LANKA	568,741	0.0169%	108	107	↓
NP	NEPAL	552,413	0.0164%	109	109	
MW	MALAWI	549,319	0.0163%	110	116	↑
TT	TRINIDAD AND TOBAGO	533,763	0.0159%	111	108	↓
HN	HONDURAS	501,370	0.0149%	112	110	↓
RE	REUNION	499,859	0.0149%	113	117	↑
GA	GABON	498,379	0.0148%	114	112	↓
NA	NAMIBIA	469,405	0.0140%	115	113	↓
MZ	MOZAMBIQUE	466,173	0.0139%	116	114	↓
NI	NICARAGUA	445,810	0.0133%	117	115	↓
LY	LIBYA	422,762	0.0126%	118	118	
KH	CAMBODIA	416,212	0.0124%	119	122	↑
SN	SENEGAL	401,032	0.0119%	120	123	↑
MO	MACAO	371,720	0.0111%	121	121	
ET	ETHIOPIA	366,098	0.0109%	122	120	↓
AL	ALBANIA	362,015	0.0108%	123	124	↑
TG	TOGO	340,230	0.0101%	124	125	↑
BF	BURKINA FASO	314,269	0.0094%	125	126	↑
RW	RWANDA	307,819	0.0092%	126	119	↓
UZ	UZBEKISTAN	285,533	0.0085%	127	130	↑
KG	KYRGYZSTAN	283,494	0.0084%	128	128	
JM	JAMAICA	276,576	0.0082%	129	129	
GM	GAMBIA	271,073	0.0081%	130	131	↑
CU	CUBA	260,527	0.0078%	131	132	↑
MN	MONGOLIA	247,701	0.0074%	132	133	↑

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GU	GUAM	229,804	0.0068%	133	134	↑
AF	AFGHANISTAN	225,754	0.0067%	134	135	↑
MG	MADAGASCAR	218,419	0.0065%	135	141	↑
BN	BRUNEI DARUSSALAM	215,896	0.0064%	136	136	
GP	GUADELOUPE	212,526	0.0063%	137	148	↑
ZW	ZIMBABWE	203,990	0.0061%	138	137	↓
ME	MONTENEGRO	192,270	0.0057%	139	138	↓
YE	YEMEN	188,924	0.0056%	140	152	↑
CW	CURACAO	186,351	0.0055%	141	139	↓
SC	SEYCHELLES	185,617	0.0055%	142	127	↓
KY	CAYMAN ISLANDS	183,855	0.0055%	143	140	↓
MQ	MARTINIQUE	180,638	0.0054%	144	154	↑
CD	CONGO THE DEMOCRATIC REPUBLIC OF THE	176,658	0.0053%	145	146	↑
MM	MYANMAR	176,644	0.0053%	146	150	↑
LR	LIBERIA	172,146	0.0051%	147	142	↓
BJ	BENIN	170,333	0.0051%	148	143	↓
HT	HAITI	167,582	0.0050%	149	145	↓
BW	BOTSWANA	166,953	0.0050%	150	147	↓
NC	NEW CALEDONIA	165,537	0.0049%	151	144	↓
BS	BAHAMAS	159,187	0.0047%	152	149	↓
FJ	FIJI	150,655	0.0045%	153	153	
CG	CONGO	150,242	0.0045%	154	156	↑
BB	BARBADOS	148,939	0.0044%	155	151	↓
BM	BERMUDA	130,113	0.0039%	156	157	↑
VI	VIRGIN ISLANDS U.S.	129,137	0.0038%	157	155	↓
BZ	BELIZE	127,373	0.0038%	158	159	↑
LS	LESOTHO	126,875	0.0038%	159	158	↓
LI	LIECHTENSTEIN	111,903	0.0033%	160	160	
IM	ISLE OF MAN	111,504	0.0033%	161	162	↑
AW	ARUBA	103,766	0.0031%	162	161	↓
SL	SIERRA LEONE	101,035	0.0030%	163	165	↑
GF	FRENCH GUIANA	94,155	0.0028%	164	173	↑
ML	MALI	89,809	0.0027%	165	163	↓
MV	MALDIVES	88,309	0.0026%	166	169	↑
JE	JERSEY	84,983	0.0025%	167	167	
TJ	TAJIKISTAN	83,811	0.0025%	168	166	↓
SR	SURINAME	82,917	0.0025%	169	164	↓
LA	LAO PEOPLE'S DEMOCRATIC REPUBLIC	82,505	0.0025%	170	168	↓
GI	GIBRALTAR	76,271	0.0023%	171	171	
DJ	DIJIBOUTI	73,539	0.0022%	172	172	
GY	GUYANA	71,460	0.0021%	173	174	↑
PG	PAPUA NEW GUINEA	70,477	0.0021%	174	175	↑
GG	GUERNSEY	70,126	0.0021%	175	170	↓
PF	FRENCH POLYNESIA	64,961	0.0019%	176	176	
MC	MONACO	59,367	0.0018%	177	177	
AD	ANDORRA	57,913	0.0017%	178	179	↑

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SZ	ESWATINI	56,159	0.0017%	179	178	↓
AG	ANTIGUA AND BARBUDA	50,867	0.0015%	180	180	
SO	SOMALIA	48,509	0.0014%	181	184	↑
MR	MAURITANIA	48,140	0.0014%	182	181	↓
VG	VIRGIN ISLANDS BRITISH	47,919	0.0014%	183	183	
AX	ALAND ISLANDS	47,382	0.0014%	184	186	↑
NE	NIGER	45,355	0.0013%	185	182	↓
FO	FAROE ISLANDS	44,466	0.0013%	186	185	↓
BI	BURUNDI	43,767	0.0013%	187	187	
SM	SAN MARINO	39,230	0.0012%	188	190	↑
LC	SAINT LUCIA	39,031	0.0012%	189	188	↓
GN	GUINEA	38,131	0.0011%	190	189	↓
BT	BHUTAN	37,533	0.0011%	191	192	↑
SX	SINT MAARTEN (DUTCH PART)	35,819	0.0011%	192	191	↓
CV	CABO VERDE	32,923	0.0010%	193	194	↑
DM	DOMINICA	32,134	0.0010%	194	193	↓
MF	SAINT MARTIN (FRENCH PART)	31,873	0.0009%	195	196	↑
GD	GRENADA	30,437	0.0009%	196	195	↓
KN	SAINT KITTS AND NEVIS	30,408	0.0009%	197	197	
YT	MAYOTTE	29,369	0.0009%	198	206	↑
GL	GREENLAND	29,325	0.0009%	199	199	
TD	CHAD	27,733	0.0008%	200	198	↓
VU	VANUATU	25,724	0.0008%	201	204	↑
GQ	EQUATORIAL GUINEA	25,468	0.0008%	202	203	↑
BQ	BONAIRE SINT EUSTATIUS AND SABA	24,577	0.0007%	203	201	↓
WS	SAMOA	24,188	0.0007%	204	205	↑
VC	SAINT VINCENT AND THE GRENADINES	24,134	0.0007%	205	202	↓
TM	TURKMENISTAN	22,246	0.0007%	206	200	↓
TL	TIMOR-LESTE	18,867	0.0006%	207	207	
MP	NORTHERN MARIANA ISLANDS	17,418	0.0005%	208	208	
SS	SOUTH SUDAN	17,092	0.0005%	209	209	
SB	SOLOMON ISLANDS	16,969	0.0005%	210	210	
TO	TONGA	14,507	0.0004%	211	214	↑
NR	NAURU	14,379	0.0004%	212	213	↑
ST	SAO TOME AND PRINCIPE	14,353	0.0004%	213	212	↓
VA	HOLY SEE	13,935	0.0004%	214	211	↓
TC	TURKS AND CAICOS ISLANDS	13,201	0.0004%	215	215	
FM	MICRONESIA FEDERATED STATES OF	12,809	0.0004%	216	216	
TV	TUVALU	12,289	0.0004%	217	218	↑
AI	ANGUILLA	12,236	0.0004%	218	217	↓
CF	CENTRAL AFRICAN REPUBLIC	10,996	0.0003%	219	219	
GW	GUINEA-BISSAU	10,401	0.0003%	220	220	
KM	COMOROS	9,970	0.0003%	221	221	
PW	PALAU	9,761	0.0003%	222	222	
MH	MARSHALL ISLANDS	8,773	0.0003%	223	223	
AS	AMERICAN SAMOA	8,747	0.0003%	224	225	↑

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KI	KIRIBATI	8,705	0.0003%	225	224	↓
CK	COOK ISLANDS	8,251	0.0002%	226	227	↑
ER	ERITREA	8,245	0.0002%	227	226	↓
FK	FALKLAND ISLANDS (MALVINAS)	6,199	0.0002%	228	228	
PM	SAINT PIERRE AND MIQUELON	4,955	0.0001%	229	229	
WF	WALLIS AND FUTUNA	3,593	0.0001%	230	230	
IO	BRITISH INDIAN OCEAN TERRITORY	3,591	0.0001%	231	231	
TK	TOKELAU	3,105	0.0001%	232	232	
MS	MONTserrat	2,212	0.0001%	233	233	
NU	NIUE	2,053	0.0001%	234	234	
NF	NORFOLK ISLAND	2,049	0.0001%	235	235	
BL	SAINT BARTHELEMY	1,221	0.0000%	236	237	↑
UM	UNITED STATES MINOR OUTLYING ISLANDS	1,163	0.0000%	237	240	↑
KP	KOREA DEMOCRATIC PEOPLE'S REPUBLIC OF	1,029	0.0000%	238	238	
AQ	ANTARCTICA	515	0.0000%	239	236	↓
CX	CHRISTMAS ISLAND	171	0.0000%	240	239	↓
BV	BOUVET ISLAND	73	0.0000%	241	242	↑
GS	SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	33	0.0000%	242	246	↑
SH	SAINT HELENA ASCENSION AND TRISTAN DA CUNHA	9	0.0000%	243	247	↑
PN	PITCAIRN	1	0.0000%	244	248	↑
CC	COCOS (KEELING) ISLANDS	1	0.0000%	245	241	↓
SJ	SVALBARD AND JAN MAYEN	1	0.0000%	246	243	↓
TF	FRENCH SOUTHERN TERRITORIES	1	0.0000%	247	244	↓
HM	HEARD ISLAND AND MCDONALD ISLANDS	1	0.0000%	248	245	↓
EH	WESTERN SAHARA	1	0.0000%	249	249	

Chart 1: Worldwide IP Address Ownership by Country in 2019

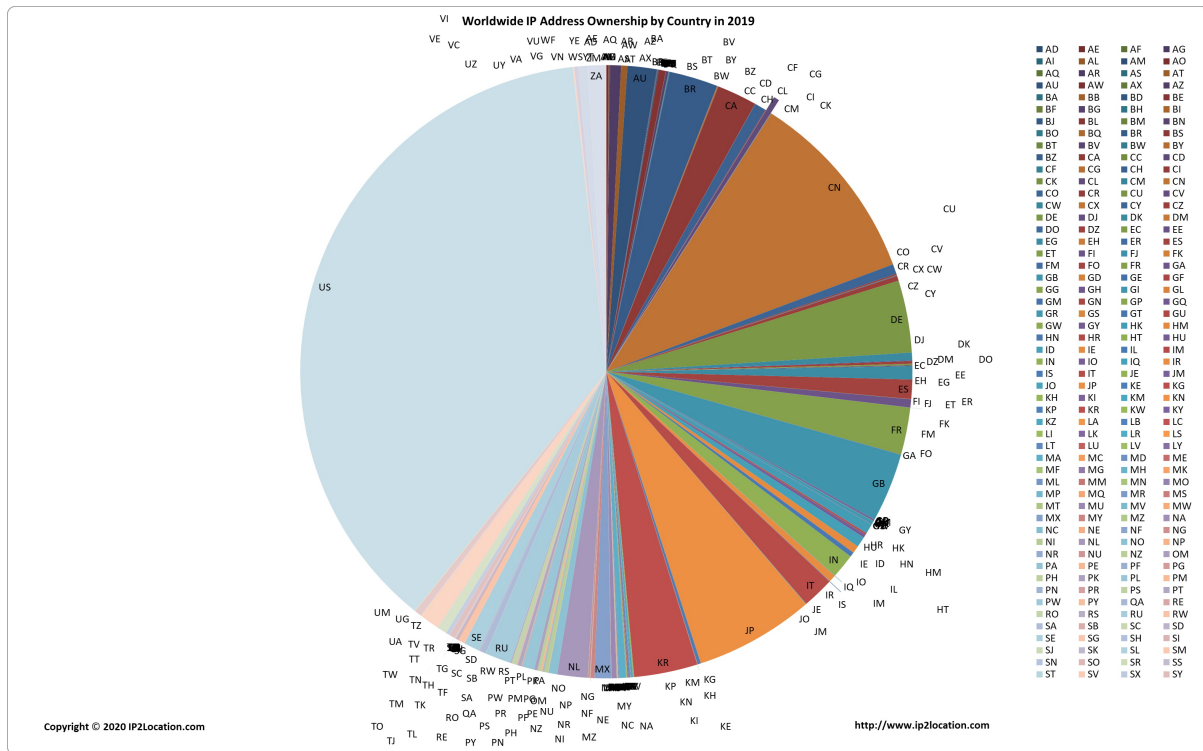


Chart 2: Worldwide IP Address Ownership by Country in 2019 with Month-to-Month Comparison

