



## IPv6 Statistics for United Nations Member States

This fact sheet shows IPv6 address delegations made directly from Regional Internet Registries (RIRs) to networks in United Nations (UN) Member States. To make best use of the table on the following pages, the NRO recommends that you read the notes below first.

### Member State

This fact sheet contains information about IPv6 delegations by the RIRs to UN Member States. It does not include IPv6 delegations to dependent territories of UN Member States. For example, the China entry does not include IPv6 delegations made to networks in its two Special Administrative Regions. This fact sheet shows the economy to which IP addresses were originally delegated and does not reflect any subsequent geographic changes in the use of the IP addresses. Please note the following implications of these statistics:

1. Only individual organizations using the addresses can specify definitively whether all their addresses are used within the same economy.
2. Networks in some Member States may appear to have no IP addresses when they, in fact, do. For example, some networks, for business reasons, may choose to obtain their IP addresses from an upstream ISP rather than directly from an RIR. This means that if the upstream ISP is registered within a different economy, the RIR statistics will record the addresses within the economy of the upstream ISP, rather than the downstream user's economy.
3. Due to the routing architecture of the Internet and international reach of many businesses and networks, there are also addresses delegated to organizations that operate in more than one economy. Some of the allocations listed in the table below as being entirely within a single Member State may also contain elements of use across economies.
4. These statistics do not include delegations to networks within economies represented by country codes outside the list of UN Member States, for example, the Holy See. These other delegations represent an additional 559,349,843 /48s.<sup>1</sup>

### IPv6 (/48s)

A "/48" is the original minimum unit of assignment for IPv6 addresses to an end site. There are 2<sup>80</sup> or 1,208,925,819,614,629,174,706,176 IPv6 addresses in one /48. End sites are users that do not re-assign any of their IP addresses to other organizations.

*This fact sheet is based on data available at <http://resources.potaroo.net/iso3166>. The data is correct as of 1 July 2010.*

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<sup>1</sup> The Regional Internet Registries use the country codes specified in ISO 3166-1, which currently recognizes 246 different economies. In addition to the officially recognized codes, the RIRs also use two regional designations: Asia Pacific and European Union.



## Total IP addresses delegated to UN Member States

Member State	IPv6 (/48s)	Member State	IPv6 (/48s)
Algeria	131,072	Malawi	65,536
Andorra	65,536	Malaysia	2,555,909
Angola	65,536	Maldives	65,536
Argentina	2,752,513	Mali	65,536
Armenia	458,753	Malta	393,216
Australia	546,439,218	Marshall Islands	65,536
Austria	4,587,535	Mauritius	393,221
Bahamas	131,072	Mexico	1,245,187
Bahrain	131,073	Micronesia, Federated States of	65,536
Bangladesh	983,041	Monaco	65,536
Belarus	131,072	Mongolia	131,073
Belgium	18,939,911	Morocco	131,072
Belize	65,536	Mozambique	65,536
Benin	65,536	Myanmar	65,536
Bhutan	131,072	Namibia	1
Bolivia	262,144	Nepal	458,755
Bosnia and Herzegovina	327,680	Netherlands	44,105,820
Brazil	4,307,550,208	New Zealand	3,735,570
Brunei Darussalam	131,072	Nicaragua	65,536
Bulgaria	917,505	Nigeria	131,072
Cambodia	196,608	Norway	20,512,774
Cameroon	65,536	Oman	131,072
Canada	6,226,125	Pakistan	1,310,721
Chile	983,042	Palau	65,536
China	25,886,723	Panama	262,144
Colombia	983,041	Papua New Guinea	196,608
Costa Rica	458,753	Paraguay	131,072
Cote d'Ivoire	131,072	Peru	524,288
Croatia	393,217	Philippines	2,031,617
Cuba	327,680	Poland	139,788,296
Cyprus	524,288	Portugal	1,245,186
Czech Republic	4,653,067	Qatar	65,536
Denmark	2,293,766	Republic of Korea	341,180,417
Djibouti	65,536	Republic of Moldova	458,752
Dominican Republic	196,608	Romania	851,971
Ecuador	524,546	Russian Federation	8,781,848
Egypt	393,216	Rwanda	196,609
El Salvador	65,536	Samoa	131,073
Estonia	655,364	Saudi Arabia	1,048,577
Fiji	262,148	Senegal	65,536
Finland	2,490,376	Serbia	720,896
France	548,077,582	Seychelles	65,536
Germany	649,396,270	Sierra Leone	1
Ghana	131,072	Singapore	2,490,375
Greece	786,433	Slovakia	1,048,578
Grenada	65,536	Slovenia	1,572,869



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Guatemala	262,144	Solomon Islands	65,536
Guyana	65,536	South Africa	1,376,269
Haiti	65,537	Spain	2,293,762
Honduras	1	Sri Lanka	458,753
Hungary	1,572,865	Sudan	65,536
Iceland	589,826	Swaziland	65,536
India	3,407,876	Sweden	17,694,739
Indonesia	2,883,602	Switzerland	9,699,347
Iran (Islamic Republic of)	1,572,864	Syrian Arab Republic	65,536
Iraq	65,536	Thailand	1,376,261
Ireland	1,900,548	The former Yugoslav Republic of Macedonia	196,608
Israel	458,753	Tonga	65,536
Italy	273,874,949	Trinidad and Tobago	393,217
Jamaica	65,536	Tunisia	65,536
Japan	557,203,532	Turkey	1,638,400
Jordan	262,144	Uganda	131,073
Kazakhstan	131,072	Ukraine	2,097,156
Kenya	524,291	United Arab Emirates	327,680
Kuwait	196,608	United Kingdom of Great Britain and Northern Ireland	84,475,929
Kyrgyzstan	65,536	United Republic of Tanzania	196,610
Lao People's Democratic Republic	65,536	United States of America	1,004,285,956
Latvia	589,824	Uruguay	1,245,196
Lebanon	327,681	Uzbekistan	131,072
Lesotho	65,536	Vanuatu	65,536
Liechtenstein	131,072	Venezuela, Bolivarian Republic of	983,040
Lithuania	393,218	Viet Nam	655,378
Luxembourg	983,042	Zambia	1
Madagascar	65,536	Zimbabwe	131,072