

# List of assigned /8 IPv4 address blocks

Some large [/8 blocks](#) of [IPv4 addresses](#), the former [Class A](#) network blocks, are assigned in whole to single organizations or related groups of organizations, either by the [Internet Corporation for Assigned Names and Numbers](#) (ICANN), through the [Internet Assigned Numbers Authority](#) (IANA), or a [regional Internet registry](#).

Each /8 block contains  $256^3 = 2^{24} = 16,777,216$  addresses, which covers the whole range of the last three delimited segments of an IP address. This means that 256 /8 address blocks fit into the entire IPv4 space.

As [IPv4 address exhaustion](#) has advanced to its final stages, some organizations, such as [Stanford University](#), formerly using [36.0.0.0/8](#), have returned their allocated blocks (in this case to [APNIC](#)) to assist in the delay of the exhaustion date.

## List of reserved /8 blocks[\[edit\]](#)

See also: [Reserved IP addresses](#)

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
0.0.0.0/8	<a href="#">IANA</a> – Local Identification	1981-09		Originally IANA – Reserved 1981-09. 0.0.0.0/8 reserved for self-identification. <sup>[1]</sup>
10.0.0.0/8	IANA – Private Use	1995-06		Reserved for <a href="#">Private Networks</a> . <sup>[2]</sup> Formerly <a href="#">ARPANET</a> . <sup>[3]</sup>
127.0.0.0/8	<a href="#">IANA</a> – Loopback	1981-09		127.0.0.0/8 is reserved for <a href="#">loopback</a> . <sup>[1]</sup>
224.0.0.0/8– 239.0.0.0/8	<a href="#">Multicast</a>	1981-09	1991-05-22	<a href="#">Multicast</a> (formerly " <a href="#">Class D</a> " <sup>[4]</sup> ) registered in <a href="#">[1]</a> .
240.0.0.0/8– 255.0.0.0/8	Future Use	1981-09		Reserved for future use (formerly "Class E" <sup>[5]</sup> ). 255.255.255.255 is reserved for "limited broadcast" destination address. <sup>[6][7]</sup>

## List of assigned /8 blocks to commercial organisations[\[edit\]](#)

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
12.0.0.0/8	<a href="#">AT&amp;T Services</a>	1995-06	1983-08-23	Originally <a href="#">AT&amp;T Bell Laboratories</a> , but retained by AT&T when Bell Labs was spun off to <a href="#">Lucent Technologies</a> in 1996. Assignment administered by ARIN (Legacy space)
17.0.0.0/8	<a href="#">Apple Inc.</a>	1992-07	1990-04-16	Assignment administered by ARIN (Legacy space)
19.0.0.0/8	<a href="#">Ford Motor Company</a>	1995-05	1988-06-15	Assignment administered by ARIN (Legacy space)
38.0.0.0/8	<a href="#">Cogent Communications</a>	1994-09	1991-04-16	Formerly <a href="#">PSINet</a> . Assignment administered by ARIN (Legacy space)
53.0.0.0/8	<a href="#">Mercedes-Benz Group AG</a>	1993-10	1970-01-01	Assignment administered by RIPE (Legacy space)
73.0.0.0/8	<a href="#">Comcast Corporation</a> <sup>[8]</sup>	N/A	2005-04-19	Assignment administered by ARIN.

## List of assigned /8 blocks to the [United States Department of Defense](#)<sup>[edit]</sup>

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
6.0.0.0/8	<a href="#">Army Information Systems Center</a>	1994-02	1994-02-01	Headquarters, <a href="#">USAISC</a>
7.0.0.0/8	<a href="#">DoD Network Information Center</a>	1995-04	1997-11-24	Formerly IANA - Reserved 1995-04. Entirely assigned to <a href="#">DoD</a> Network Information Center (DNIC) 1997-11-24. Updated to Administered by ARIN not before 2007.

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
11.0.0.0/8	<a href="#">DoD Intel Information Systems</a>	1993-05	1984-01-19	
21.0.0.0/8	<a href="#">DDN-RVN</a>	1991-07	1991-07-01	DoD Network Information Center (DNIC)
22.0.0.0/8	<a href="#">Defense Information Systems Agency</a>	1993-05	1989-06-26	DoD Network Information Center (DNIC)
26.0.0.0/8	<a href="#">Defense Information Systems Agency</a>	1995-05	1995-05-01	DoD Network Information Center (DNIC)
28.0.0.0/8	<a href="#">DSI-North</a>	1992-07		DoD Network Information Center (DNIC)
29.0.0.0/8	<a href="#">Defense Information Systems Agency</a>	1991-07	1991-07-01	DoD Network Information Center (DNIC)
30.0.0.0/8	<a href="#">Defense Information Systems Agency</a>	1991-07	1991-07-01	DoD Network Information Center (DNIC)
33.0.0.0/8	<a href="#">DLA Systems Automation Center</a>	1991-01	1991-01-01	DoD Network Information Center (DNIC)
55.0.0.0/8	<a href="#">DoD Network Information Center</a>	1995-04	1996-10-26	Headquarters, USAISC. Formerly Boeing Computer Services 1995-04. Updated to DoD Network Information Center in 2007-02.
214.0.0.0/8	US-DOD	1998-03	1998-03-27	DoD Network Information Center (DNIC)

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
215.0.0.0/8	US-DOD	1998-03	1998-06-05	DoD Network Information Center (DNIC)

## List of assigned /8 blocks to the regional Internet registries[\[edit\]](#)



Map of regional Internet registries

The [regional Internet registries](#) (RIRs) allocate [IPs](#) within a particular region of the world.

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
1.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - reserved 1981-09.
2.0.0.0/8	<a href="#">RIPE NCC</a>	2009-10		Formerly IANA - reserved 1981-09.
3.0.0.0/8	<a href="#">ARIN</a>	1994-05		<a href="#">Amazon.com</a> . <sup>[9]</sup> Formerly <a href="#">General Electric Company</a> .
4.0.0.0/8	<a href="#">ARIN</a>	1992-12		Various registries (maintained by ARIN). Formerly <a href="#">Bolt Beranek and Newman Inc.</a> , then <a href="#">GTE</a> , then <a href="#">Genuity</a> , then <a href="#">Level 3 Communications, Inc.</a>
5.0.0.0/8	<a href="#">RIPE NCC</a>	2010-11		Formerly IANA - reserved 1995-07.
8.0.0.0/8	<a href="#">ARIN</a>	1992-12	1992-12-01	Various registries (maintained by ARIN). Formerly <a href="#">Bolt Beranek and Newman Inc.</a> , then <a href="#">GTE</a> , then <a href="#">Genuity</a> , then <a href="#">Level 3 Communications, Inc.</a>

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
9.0.0.0/8	<a href="#">ARIN</a>	1992-08		<a href="#">IBM</a> except for 9.9.9.0/24, which is <a href="#">Quad9</a> .
13.0.0.0/8	<a href="#">ARIN</a>	1991-09		Various registries (maintained by ARIN). Formerly <a href="#">Xerox</a> .
14.0.0.0/8	<a href="#">APNIC</a>	2010-04		Starting 1991-06-01, was used to map Public Data Network ( <a href="#">X.121</a> ) addresses to IP addresses. Returned to IANA 2008-01-22. This network was reclaimed by IANA in 2007 and was subsequently re-allocated in 2010. See RFC 877 and RFC 1356 for historical information. <sup>[10]</sup>
15.0.0.0/8	<a href="#">ARIN</a>	1991-09		Various registries (maintained by ARIN). Formerly <a href="#">Hewlett-Packard Company</a> . <a href="#">HP Inc</a> still uses a portion of the block.
16.0.0.0/8	<a href="#">ARIN</a>	1994-11	1989-05-18	Various registries (maintained by ARIN). Formerly <a href="#">Digital Equipment Corporation</a> , then <a href="#">Compaq</a> , then Hewlett-Packard.
18.0.0.0/8	<a href="#">ARIN</a>	1994-01		Various registries (maintained by ARIN). Formerly <a href="#">MIT</a> .
20.0.0.0/8	<a href="#">ARIN</a>	1994-10		Various registries (maintained by ARIN). Formerly <a href="#">DXC Technology</a> . <a href="#">Computer Sciences Corporation</a> , who owned this block, merged with <a href="#">HP Enterprise Services</a> to create <a href="#">DXC Technology</a> on 3 April 2017. <sup>[11][12]</sup>
23.0.0.0/8	<a href="#">ARIN</a>	2010-11		Formerly IANA - reserved 1995-07.
24.0.0.0/8	<a href="#">ARIN</a>	2001-05	2001-05-01	Formerly IANA - Cable Block 1995-07, then ARIN - Cable Block 2001-05. <sup>[13]</sup> Updated to ARIN not before 2007.

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
25.0.0.0/8	<a href="#">RIPE NCC</a>	1995-01		As of 2005-08-23 entire block assigned to <a href="#">UK Ministry of Defence</a>
27.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - reserved 1995-04.
31.0.0.0/8	<a href="#">RIPE NCC</a>	2010-05	2010-05-18	Formerly IANA - reserved 1991-04.
32.0.0.0/8	<a href="#">ARIN</a>	1994-06		Various registries (maintained by ARIN). Formerly <a href="#">AT&amp;T Global Network Services</a> . Originally Norsk Informasjonsteknologi (at that time maintained by <a href="#">RIPE NCC</a> ). <a href="#">IBM</a> acquired Norsk Informasjonsteknologi (Norway) in 1995.
34.0.0.0/8	<a href="#">ARIN</a>	1993-03		Various registries (maintained by ARIN). Formerly <a href="#">Halliburton Company</a> .
35.0.0.0/8	<a href="#">ARIN</a>	1994-04	2012-08	Various registries (Maintained by ARIN). Formerly <a href="#">Merit Network</a> 1986.
36.0.0.0/8	<a href="#">APNIC</a>	2010-10		Formerly <a href="#">Stanford University</a> 1993-04, then IANA - Reserved 2000-07.
37.0.0.0/8	<a href="#">RIPE NCC</a>	2010-11		Formerly IANA - Reserved 1995-04.
39.0.0.0/8	<a href="#">APNIC</a>	2011-01		Formerly IANA - Reserved 1995-04.
40.0.0.0/8	<a href="#">ARIN</a>	1994-06		Various registries (Maintained by ARIN).
41.0.0.0/8	<a href="#">AFRINIC</a>	2005-04		Formerly IANA - Reserved 1995-05.
42.0.0.0/8	<a href="#">APNIC</a>	2010-10		Formerly IANA - Reserved 1995-07.

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
43.0.0.0/8	<a href="#">APNIC</a>	1991-01	1989-02-21	Various registries (Maintained by APNIC). Originally Japan Inet 1991-01 (IANA date) or 1989-02-21 (RIR date). Administered by APNIC not before 2007.
<a href="#">44.0.0.0/8</a>	<a href="#">ARIN</a>	1992-07	2019-07-18	Various registries (Maintained by ARIN). Originally <a href="#">Amateur Radio Digital Communications</a> . <a href="#">44.192.0.0/10</a> was sold to <a href="#">Amazon</a> on 2019-07-18. <sup>[14]</sup>
45.0.0.0/8	<a href="#">ARIN</a>	1995-01	1991-09-09	Various registries (Maintained by ARIN). Formerly <a href="#">Interop Show Network</a> 1995-01 or 1991-09-09 (RIR date). Returned to ARIN in 2010-10 except a /15 block. In 2011 it became available for distribution (or possibly be returned to the IANA, depending on the global policy in effect at that time). <sup>[15]</sup>
46.0.0.0/8	<a href="#">RIPE NCC</a>	2009-09		Formerly <a href="#">Bolt Beranek and Newman Inc.</a> 1992-12. Returned to IANA in 2007-04. <sup>[16]</sup> Updated to IANA - Reserved in 2007-04.
47.0.0.0/8	<a href="#">ARIN</a>	1991-01		Various registries (Maintained by ARIN). Formerly Bell-Northern Research, which became Northern Telecom, aka, Nortel, until its demise, circa 2010.
48.0.0.0/8	<a href="#">ARIN</a>	2023-10-02	1990-12-07	Assignment administered by ARIN (Legacy space). Formerly <a href="#">Prudential Financial</a> , who still use a portion of the space.
49.0.0.0/8	<a href="#">APNIC</a>	2010-08		Formerly Joint Technical Command (Returned to IANA Mar 98) 1994-05. Updated to IANA - Reserved in 2007-05.

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
50.0.0.0/8	<a href="#">ARIN</a>	2010-02		Formerly Joint Technical Command (Returned to IANA Mar 98) 1994-05. Updated to IANA - Reserved in 2007-05.
51.0.0.0/8	<a href="#">RIPE NCC</a>	1994-08		Various registries (Maintained by RIPE NCC). Formerly <a href="#">UK Government Department for Work and Pensions</a> .
52.0.0.0/8	<a href="#">ARIN</a>	1991-12		Formerly <a href="#">DuPont</a> .
54.0.0.0/8	<a href="#">ARIN</a>	1992-03		Various registries (Maintained by ARIN).
56.0.0.0/8	<a href="#">ARIN</a>	1992-11		Formerly United States Postal Service.
57.0.0.0/8	<a href="#">RIPE NCC</a>	1995-05		Formerly <a href="#">SITA</a> .
58.0.0.0/8	<a href="#">APNIC</a>	2004-04		
59.0.0.0/8	<a href="#">APNIC</a>	2004-04		
60.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
61.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
62.0.0.0/8	<a href="#">RIPE NCC</a>	1997-04		
63.0.0.0/8	<a href="#">ARIN</a>	1997-04		
64.0.0.0/8	<a href="#">ARIN</a>	1999-07		



Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
65.0.0.0/8	<a href="#">ARIN</a>	2000-07		
66.0.0.0/8	<a href="#">ARIN</a>	2000-07		
67.0.0.0/8	<a href="#">ARIN</a>	2001-05		
68.0.0.0/8	<a href="#">ARIN</a>	2001-06		
69.0.0.0/8	<a href="#">ARIN</a>	2002-08		
70.0.0.0/8	<a href="#">ARIN</a>	2004-01		
71.0.0.0/8	<a href="#">ARIN</a>	2004-08		
72.0.0.0/8	<a href="#">ARIN</a>	2004-08		
74.0.0.0/8	<a href="#">ARIN</a>	2005-06		
75.0.0.0/8	<a href="#">ARIN</a>	2005-06		
76.0.0.0/8	<a href="#">ARIN</a>	2005-06		
77.0.0.0/8	<a href="#">RIPE NCC</a>	2006-08		
78.0.0.0/8	<a href="#">RIPE NCC</a>	2006-08		
79.0.0.0/8	<a href="#">RIPE NCC</a>	2006-08		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
80.0.0.0/8	<a href="#">RIPE NCC</a>	2001-04		
81.0.0.0/8	<a href="#">RIPE NCC</a>	2001-04		
82.0.0.0/8	<a href="#">RIPE NCC</a>	2002-11		
83.0.0.0/8	<a href="#">RIPE NCC</a>	2003-11		
84.0.0.0/8	<a href="#">RIPE NCC</a>	2003-11		
85.0.0.0/8	<a href="#">RIPE NCC</a>	2004-04		
86.0.0.0/8	<a href="#">RIPE NCC</a>	2004-04		
87.0.0.0/8	<a href="#">RIPE NCC</a>	2004-04		
88.0.0.0/8	<a href="#">RIPE NCC</a>	2010-01		Formerly IANA - Reserved 1981-09.
89.0.0.0/8	<a href="#">RIPE NCC</a>	2005-06		
90.0.0.0/8	<a href="#">RIPE NCC</a>	2005-06		Except for 90.0.0.0/9, which is <a href="#">Orange</a>
91.0.0.0/8	<a href="#">RIPE NCC</a>	2005-06		
92.0.0.0/8	<a href="#">RIPE NCC</a>	2007-03		
93.0.0.0/8	<a href="#">RIPE NCC</a>	2007-03		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
94.0.0.0/8	<a href="#">RIPE NCC</a>	2007-07		
95.0.0.0/8	<a href="#">RIPE NCC</a>	2007-07		
96.0.0.0/8	<a href="#">ARIN</a>	2006-10		
97.0.0.0/8	<a href="#">ARIN</a>	2006-10		
98.0.0.0/8	<a href="#">ARIN</a>	2006-10		
99.0.0.0/8	<a href="#">ARIN</a>	2006-10		
100.0.0.0/8	<a href="#">ARIN</a>	2010-11		100.64.0.0/10 reserved for <a href="#">Carrier-grade NAT</a> (detailed in <a href="#">RFC 6598</a> ).
101.0.0.0/8	<a href="#">APNIC</a>	2010-08		
102.0.0.0/8	<a href="#">AFRINIC</a>	2011-02		
103.0.0.0/8	<a href="#">APNIC</a>	2011-02		
104.0.0.0/8	<a href="#">ARIN</a>	2011-02		
105.0.0.0/8	<a href="#">AFRINIC</a>	2010-11		
106.0.0.0/8	<a href="#">APNIC</a>	2011-01		
107.0.0.0/8	<a href="#">ARIN</a>	2010-02		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
108.0.0.0/8	<a href="#">ARIN</a>	2008-12		
109.0.0.0/8	<a href="#">RIPE NCC</a>	2009-01		
110.0.0.0/8	<a href="#">APNIC</a>	2008-11		
111.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
112.0.0.0/8	<a href="#">APNIC</a>	2008-05		
113.0.0.0/8	<a href="#">APNIC</a>	2008-05		
114.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
115.0.0.0/8	<a href="#">APNIC</a>	2007-10		
116.0.0.0/8	<a href="#">APNIC</a>	2007-01		
117.0.0.0/8	<a href="#">APNIC</a>	2007-01		
118.0.0.0/8	<a href="#">APNIC</a>	2007-01		
119.0.0.0/8	<a href="#">APNIC</a>	2007-01		
120.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
121.0.0.0/8	<a href="#">APNIC</a>	2006-01		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
122.0.0.0/8	<a href="#">APNIC</a>	2006-01		
123.0.0.0/8	<a href="#">APNIC</a>	2006-01		
124.0.0.0/8	<a href="#">APNIC</a>	2005-01		
125.0.0.0/8	<a href="#">APNIC</a>	2005-01		
126.0.0.0/8	<a href="#">APNIC</a>	2005-01		SOFTBANK Corp.
128.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN). 128.0.0.0 is the start address of formerly " <a href="#">Class B</a> ".
129.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
130.0.0.0/8				Various registries
131.0.0.0/8				Various registries
132.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
133.0.0.0/8	<a href="#">APNIC</a>	1997-03		<a href="#">JPNIC</a> <sup>[17]</sup>
134.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
135.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
136.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
137.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
138.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
139.0.0.0/8	MIX			Various registries
140.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
141.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		Various registries (Maintained by RIPE NCC).
142.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
143.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
144.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
145.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		Various registries (Maintained by RIPE NCC).
146.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
147.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
148.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
149.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
150.0.0.0/8	<a href="#">APNIC</a>	1993-05		Various registries (Maintained by APNIC).

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
151.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		Various registries (Maintained by RIPE NCC).
152.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
153.0.0.0/8	<a href="#">APNIC</a>	1993-05		Various registries (Maintained by APNIC).
154.0.0.0/8	<a href="#">AFRINIC</a>	1993-05		Various registries (Maintained by AFRINIC).
155.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
156.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
157.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
158.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
159.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
160.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
161.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
162.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
163.0.0.0/8	<a href="#">APNIC</a>	1993-05		Various registries (Maintained by APNIC).
164.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
165.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
166.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
167.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
168.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
169.0.0.0/8	<a href="#">ARIN</a>	1993-05	1993-05-01	Various registries (Maintained by ARIN). 169.254.0.0/16 (169.254.0.0–169.254.255.255) reserved for <a href="#">link-local addressing</a> (RFC 6890).
170.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN).
171.0.0.0/8	<a href="#">APNIC</a>	1993-05		Various registries (Maintained by APNIC).
172.0.0.0/8	<a href="#">ARIN</a>	1993-05	1993-05-01	Various registries (Maintained by ARIN). 172.16.0.0/12 (172.16.0.0–172.31.255.255) reserved for <a href="#">private networks</a> (RFC 1918).
173.0.0.0/8	<a href="#">ARIN</a>	2008-02		
174.0.0.0/8	<a href="#">ARIN</a>	2008-02		
175.0.0.0/8	<a href="#">APNIC</a>	2009-08		
176.0.0.0/8	<a href="#">RIPE NCC</a>	2010-05		
177.0.0.0/8	<a href="#">LACNIC</a>	2010-06		



Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
178.0.0.0/8	<a href="#">RIPE NCC</a>	2009-01		Various registries (Maintained by RIPE NCC).
179.0.0.0/8	<a href="#">LACNIC</a>	2011-02		
180.0.0.0/8	<a href="#">APNIC</a>	2009-04		
181.0.0.0/8	<a href="#">LACNIC</a>	2010-06		
182.0.0.0/8	<a href="#">APNIC</a>	2009-08		
183.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
184.0.0.0/8	<a href="#">ARIN</a>	2008-12		
185.0.0.0/8	<a href="#">RIPE NCC</a>	2011-02		Various registries (Maintained by RIPE NCC).
186.0.0.0/8	<a href="#">LACNIC</a>	2007-09		
187.0.0.0/8	<a href="#">LACNIC</a>	2007-09		
188.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		Various registries (Maintained by RIPE NCC).
189.0.0.0/8	<a href="#">LACNIC</a>	1995-06		
190.0.0.0/8	<a href="#">LACNIC</a>	1995-06		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
191.0.0.0/8	<a href="#">LACNIC</a>	1993-05		Various registries (Maintained by LACNIC).
192.0.0.0/8	<a href="#">ARIN</a>	1993-05	1993-05-01	Various registries (Maintained by ARIN). 192.0.2.0/24 reserved for TEST-NET-1 (RFC 5737). 192.88.99.0/24 reserved for 6to4 Relay Anycast (RFC 3068). 192.168.0.0/16 (192.168.0.0–192.168.255.255) reserved for <a href="#">private networks</a> (RFC 1918). 192.0.0.0/24 reserved for IANA IPv4 Special Purpose Address Registry (RFC 5736). 192.0.0.0 is the start address of formerly " <a href="#">Class C</a> ".
193.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		
194.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		
195.0.0.0/8	<a href="#">RIPE NCC</a>	1993-05		
196.0.0.0/8	<a href="#">AFRINIC</a>	1993-05		Various registries (Maintained by AFRINIC).
197.0.0.0/8	<a href="#">AFRINIC</a>	2008-10		
198.0.0.0/8	<a href="#">ARIN</a>	1993-05		Various registries (Maintained by ARIN). 198.18.0.0/15 reserved for Network Interconnect Device Benchmark Testing (RFC 6890). 198.51.100.0/24 reserved for TEST-NET-2 (RFC 5737).
199.0.0.0/8	<a href="#">ARIN</a>	1993-05		
200.0.0.0/8	<a href="#">LACNIC</a>	2002-11		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
201.0.0.0/8	<a href="#">LACNIC</a>	2003-04		
202.0.0.0/8	<a href="#">APNIC</a>	2009-10		Various registries (Maintained by APNIC). 202.123.0.0/19 transferred to <a href="#">AFRINIC</a>
203.0.0.0/8	<a href="#">APNIC</a>	1993-05		203.0.113.0/24 reserved for TEST-NET-3 (RFC 5737).
204.0.0.0/8	<a href="#">ARIN</a>	1994-03		
205.0.0.0/8	<a href="#">ARIN</a>	1994-03		
206.0.0.0/8	<a href="#">ARIN</a>	1995-04		
207.0.0.0/8	<a href="#">ARIN</a>	1995-11		
208.0.0.0/8	<a href="#">ARIN</a>	1996-04		
209.0.0.0/8	<a href="#">ARIN</a>	1996-06		
210.0.0.0/8	<a href="#">APNIC</a>	1996-06		
211.0.0.0/8	<a href="#">APNIC</a>	1996-06		
212.0.0.0/8	<a href="#">RIPE NCC</a>	1997-10		
213.0.0.0/8	<a href="#">RIPE NCC</a>	1993-10		
216.0.0.0/8	<a href="#">ARIN</a>	1998-04		

Block	Organization	<a href="#">IANA</a> date	<a href="#">RIR</a> date	Notes
217.0.0.0/8	<a href="#">RIPE NCC</a>	2000-06	2002-06-25	
218.0.0.0/8	<a href="#">APNIC</a>	2010-01		Formerly IANA - Reserved 1981-09.
219.0.0.0/8	<a href="#">APNIC</a>	2001-09		
220.0.0.0/8	<a href="#">APNIC</a>	2001-12		
221.0.0.0/8	<a href="#">APNIC</a>	2002-07		
222.0.0.0/8	<a href="#">APNIC</a>	2003-02		
223.0.0.0/8	<a href="#">APNIC</a>	2010-04		

Note that this list may not include current assignments of /8 blocks to all [regional](#) or [national](#) Internet registries.

## Original list of IPv4 assigned address blocks[\[edit\]](#)

The original list of IPv4 address blocks was published in September 1981.<sup>[3]</sup> In previous versions of the document,<sup>[18][19]</sup> network numbers were [8-bit](#) numbers rather than the [32-bit](#) numbers used in IPv4. At that time, three networks were added that were not listed earlier: 42.rrr.rrr.rrr, 43.rrr.rrr.rrr, and 44.rrr.rrr.rrr.

The relevant portion of RFC 790 is reproduced here with minor changes:

- 000.rrr.rrr.rrr Reserved [JBP]
- 001.rrr.rrr.rrr BBN-PR BBN Packet Radio Network [DCA2]
- 002.rrr.rrr.rrr SF-PR-1 SF Packet Radio Network [JEM]
- 003.rrr.rrr.rrr BBN-RCC BBN RCC Network [SGC]
- 004.rrr.rrr.rrr [SATNET](#) Atlantic Satellite Network [DM11]
- 005.rrr.rrr.rrr SILL-PR Ft. Sill Packet Radio Network [JEM]
- 006.rrr.rrr.rrr SF-PR-2 SF Packet Radio Network [JEM]
- 007.rrr.rrr.rrr CHAOS MIT CHAOS Network [MOON]
- 008.rrr.rrr.rrr CLARKNET SATNET subnet for Clarksburg [DM11]
- 009.rrr.rrr.rrr BRAGG-PR Ft. Bragg Packet Radio Net [JEM]
- 010.rrr.rrr.rrr [ARPANET](#) ARPANET [\[VGC\]](#)

- 011.rrr.rrr.rrr UCLNET University College London [PK]
- 012.rrr.rrr.rrr CYCLADES CYCLADES [[VGC](#)]
- 013.rrr.rrr.rrr Unassigned [JBP]
- 014.rrr.rrr.rrr TELENET TELENET [[VGC](#)]
- 015.rrr.rrr.rrr EPSS British Post Office EPSS [PK]
- 016.rrr.rrr.rrr DATAPAC DATAPAC [[VGC](#)]
- 017.rrr.rrr.rrr TRANSPAC TRANSPAC [[VGC](#)]
- 018.rrr.rrr.rrr LCSNET MIT LCS Network [DDC2]
- 019.rrr.rrr.rrr TYMNET TYMNET [[VGC](#)]
- 020.rrr.rrr.rrr DC-PR D.C. Packet Radio Network [[VGC](#)]
- 021.rrr.rrr.rrr EDN DCEC EDN [EC5]
- 022.rrr.rrr.rrr DIALNET DIALNET [MRC]
- 023.rrr.rrr.rrr MITRE MITRE Cablenet [APS]
- 024.rrr.rrr.rrr BBN-LOCAL BBN Local Network [SGC]
- 025.rrr.rrr.rrr RSRE-PPSN RSRE / PPSN [BD2]
- 026.rrr.rrr.rrr AUTODIN-II AUTODIN II [EC5]
- 027.rrr.rrr.rrr NOSC-LCCN NOSC / LCCN [KTP]
- 028.rrr.rrr.rrr WIDEBAND Wide Band Satellite Network [CJW2]
- 029.rrr.rrr.rrr DCN-COMSAT COMSAT Dist. Comp. Network [DLM1]
- 030.rrr.rrr.rrr DCN-UCL UCL Dist. Comp. Network [PK]
- 031.rrr.rrr.rrr BBN-SAT-TEST BBN SATNET Test Network [DM11]
- 032.rrr.rrr.rrr UCL-CR1 UCL Cambridge Ring 1 [PK]
- 033.rrr.rrr.rrr UCL-CR2 UCL Cambridge Ring 2 [PK]
- 034.rrr.rrr.rrr MATNET Mobile Access Terminal Net [DM11]
- 035.rrr.rrr.rrr NULL UCL/RSRE Null Network [BD2]
- 036.rrr.rrr.rrr SU-NET Stanford University Ethernet [MRC]
- 037.rrr.rrr.rrr DECNET Digital Equipment Network [DRL]
- 038.rrr.rrr.rrr DECNET-TEST Test Digital Equipment Net [DRL]
- 039.rrr.rrr.rrr SRINET SRI Local Network [GEOF]
- 040.rrr.rrr.rrr CISLNET CISL Multics Network [CH2]
- 041.rrr.rrr.rrr BBN-LN-TEST BBN Local Network Testbed [KTP]
- 042.rrr.rrr.rrr S1NET LLL-S1-NET [EAK]
- 043.rrr.rrr.rrr INTELPOST COMSAT INTELPOST [DLM1]
- [044.rrr.rrr.rrr AMPRNET](#) Amateur Radio Experiment Net [[HM](#)]