

CIDR Cheat Sheet

CIDR Prefix	Total Host IPs	Usable Host IPs	Netmask	# of subnets relative to Class A,B,C
/32	1	1	255.255.255.255	1/256 C
/31	2	0	255.255.255.254	1/128 C
/30	4	2	255.255.255.252	1/64 C
/29	8	6	255.255.255.248	1/32 C
/28	16	14	255.255.255.240	1/16 C
/27	32	30	255.255.255.224	1/8 C
/26	64	62	255.255.255.192	1/4 C
/25	128	126	255.255.255.128	1/2 C
/24	256	254	255.255.255.0	1 C
/23	512	510	255.255.254.0	1/128 B
/22	1,024	1,022	255.255.252.0	1/64 B
/21	2,048	2,046	255.255.248.0	1/32 B
/20	4,096	4,094	255.255.240.0	1/16 B
/19	8,192	8,190	255.255.224.0	1/8 B
/18	16,384	16,382	255.255.192.0	¼ B
/17	32,768	32,766	255.255.128.0	½ B
/16	65,536	65,534	255.255.0.0	1 B
/15	131,072	131,070	255.254.0.0	1/128 A
/14	262,144	262,142	255.252.0.0	1/64 A
/13	524,288	524,286	255.248.0.0	1/32 A
/12	1,048,576	1,048,574	255.240.0.0	1/16 A
/11	2,097,152	2,097,150	255.224.0.0	1/8 A
/10	4,194,304	4,194,302	255.192.0.0	1/4 A

/9	8,388,608	8,388,606	255.128.0.0	1/2 A
/8	16,777,216	16,777,214	255.0.0.0	1 A
/7	33,554,432	33,554,430	254.0.0.0	2 A
/6	67,108,864	67,108,862	252.0.0.0	4 A
/5	134,217,728	134,217,726	248.0.0.0	8 A
/4	268,435,456	268,435,454	240.0.0.0	16 A
/3	536,870,912	536,870,910	224.0.0.0	32 A
/2	1,073,741,824	1,073,741,822	192.0.0.0	64 A
/1	2,147,483,648	2,147,483,646	128.0.0.0	128 A
/0	4,294,967,296	4,294,967,294	0.0.0.0	256 A

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