

Netmask / Address Prefix Conversions

Netmask	Address Prefix Length	Hosts / Class C's / Class B's / Class A's
255.255.255.255	/32	1
255.255.255.254	/31	2
255.255.255.252	/30	4
255.255.255.248	/29	8
255.255.255.240	/28	16
255.255.255.224	/27	32
255.255.255.192	/26	64
255.255.255.128	/25	128
255.255.255.0	/24 (Class C)	256 / 1
255.255.254.0	/23	512 / 2
255.255.252.0	/22	1,024 / 4
255.255.248.0	/21	2,048 / 8
255.255.240.0	/20	4,096 / 16
255.255.224.0	/19	8,192 / 32
255.255.192.0	/18	16,384 / 64
255.255.128.0	/17	32,768 / 128
255.255.0.0	/16 (Class B)	65,536 / 256 / 1
255.254.0.0	/15	131,072 / 512 / 2
255.252.0.0	/14	262,144 / 1024 / 4
255.248.0.0	/13	524,288 / 2048 / 8
255.240.0.0	/12	1,048,576 / 4096 / 16
255.224.0.0	/11	2,097,152 / 8129 / 32
255.192.0.0	/10	4,194,304 / 16,384 / 64
255.128.0.0	/9	8,388,608 / 32,768 / 128
255.0.0.0	/8 (Class A)	16,777,216 / 65,536 / 256 / 1
254.0.0.0	/7	33,554,432 / 131,072 / 512 / 2
252.0.0.0	/6	67,108,864 / 262,144 / 1,024 / 4
248.0.0.0	/5	134,217,728 / 524,288 / 2,048 / 8
240.0.0.0	/4	268,435,456 / 1,048,576 / 4,096 / 16
224.0.0.0	/3	536,870,912 / 2,097,152 / 8,192 / 32
192.0.0.0	/2	1,073,741,824 / 4,194,304 / 16,384 / 64
128.0.0.0	/1	2,147,483,648 / 8,388,608 / 32,768 / 128
0.0.0.0	/0 (The Internet)	4,294,967,296 / 16,777,216 / 65,536 / 256

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/etc/exports and Address Prefix Length

/etc/exports does not use the the Address Prefix length. In fact, nfs will interpret the