

Subnetting Successful

Major Network: **10.13.0.0/16**

Available IP addresses in major network: **65534**

Number of IP addresses needed: **7980**

Available IP addresses in allocated subnets: **11810**

About **18%** of available major network address space is used

About **68%** of subnetted network address space is used

Subnet Name	Needed Size	Allocated Size	Address	Mask	Dec Mask	Assignable Range	Broadcast
M	5000	8190	10.13.0.0	/19	255.255.224.0	10.13.0.1 - 10.13.31.254	10.13.31.255
C	1022	1022	10.13.32.0	/22	255.255.252.0	10.13.32.1 - 10.13.35.254	10.13.35.255
E	1020	1022	10.13.36.0	/22	255.255.252.0	10.13.36.1 - 10.13.39.254	10.13.39.255
A	511	1022	10.13.40.0	/22	255.255.252.0	10.13.40.1 - 10.13.43.254	10.13.43.255
S	254	254	10.13.44.0	/24	255.255.255.0	10.13.44.1 - 10.13.44.254	10.13.44.255
G	127	254	10.13.45.0	/24	255.255.255.0	10.13.45.1 - 10.13.45.254	10.13.45.255
R	30	30	10.13.46.0	/27	255.255.255.224	10.13.46.1 - 10.13.46.30	10.13.46.31
W1	2	2	10.13.46.32	/30	255.255.255.252	10.13.46.33 - 10.13.46.34	10.13.46.35
W2	2	2	10.13.46.36	/30	255.255.255.252	10.13.46.37 - 10.13.46.38	10.13.46.39
W3	2	2	10.13.46.40	/30	255.255.255.252	10.13.46.41 - 10.13.46.42	10.13.46.43
W4	2	2	10.13.46.44	/30	255.255.255.252	10.13.46.45 - 10.13.46.46	10.13.46.47
W5	2	2	10.13.46.48	/30	255.255.255.252	10.13.46.49 - 10.13.46.50	10.13.46.51
W6	2	2	10.13.46.52	/30	255.255.255.252	10.13.46.53 - 10.13.46.54	10.13.46.55
W7	2	2	10.13.46.56	/30	255.255.255.252	10.13.46.57 - 10.13.46.58	10.13.46.59
W8	2	2	10.13.46.60	/30	255.255.255.252	10.13.46.61 - 10.13.46.62	10.13.46.63

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