

Semana 7

Daniel Augusto Miller

1) 192.168.90.0/24

0	192.168.90.0	255.255.255.128	/25	192.168.90.127	
1	192.168.90.128	" "	/25	192.168.90.255	10/8

2)

0	192.168.90.0	255.255.255.192	/26	192.168.90.63	
1	" . " . " . 64	" "	"	" . " . " . 127	
2	" . " . " . 128	" "	"	" . " . " . 191	10
3	" . " . " . 192	" "	"	" . " . " . 255	

192.168.90.0/23

3)

0	192.168.90.0	255.255.255.192	/26	192.168.90.63	18
1	" . " . " . 64	" . " . " . "	"	" . " . 90.127	
2	" . " . " . 128	" . " . " . "	"	" . " . 90.191	
3	" . " . " . 192	" . " . " . "	"	" . " . 90.255	
4	" . " . 91.0	" . " . " . "	"	" . " . 91.63	
5	" . " . " . 64	" . " . " . "	"	" . " . 91.127	
6	" . " . " . 128	" . " . " . "	"	" . " . 91.191	
7	" . " . " . 192	" . " . " . "	"	" . " . 91.255	18

4) 192.168.0.0/25

0	192.168.0.0	255.255.255.224	/27	192.168.0.31	10
1	" . " . " . 32	" . " . " . "	"	" . " . " . 63	
2	" . " . " . 64	" . " . " . "	"	" . " . " . 95	
3	" . " . " . 96	" . " . " . "	"	" . " . " . 127	10

5) 10.0.0.0/8

0	10.0.0.0	255.255.255.0	/10	10.63.255.255	10
1	" . 64 . " . "	" . " . " . "	"	10.127 . " . "	
2	" . 128 . " . "	" . " . " . "	"	10.191 . " . "	10
3	" . 192 . " . "	" . " . " . "	"	10.255 . " . "	

6) 172.29.0.0/16

0	172.29.0.0	255.255.192.0	/18	172.29.63.255	
1	" . " . 64 . 0	" . " . " . "	"	" . " . 127 . "	
2	" . " . 128 . 0	" . " . " . "	"	" . " . 191 . "	
3	" . " . 192 . 0	" . " . " . "	"	" . " . 255 . "	

Hosts	Binário	Decimal	Reflexo
252	1111111.1111111.1111111.0000000	255.255.255.0	/24
23	" . " . " . 11100000	" . " . " . 224	/27
1015	" . " . 11111100.00000000	" . " . 252.0	/22
77	" . " . 1111111.10000000	" . " . 255.128	/25
14	" . " . " . 11110000	" . " . " . 240	/28
508	" . " . 11111110.00000000	" . " . 254.0	/23

8) 193.168.10.0/24

0	193.168.10.0	255.255.255.192	/26	193.168.10.63
1	" . " . " . 64	"	"	" . " . " . 127
2	" . " . " . 128	"	"	" . " . " . 191
3	" . " . " . 192	"	"	" . " . " . 255

9) 192.168.130.0/24

a) 1°	d) 7°	0	128
b) 3°	e) 7°	32	160
c) 3°	f) 2°	64	192
		96	224

10) 223.1.17.0/24

0	125	223.1.17.0	255.255.255.128	/25	223.1.17.127
1	60	223.1.17.128	" " " . 192	/26	" . " . " . 191
2	60	223.1.17.192	" " " . 192	/26	" . " . " . 255

A Hosts

1) 192.168.100.0/24

A) Tabela de Roteamento

A	192.168.100.0	255.255.255.224	/27	192.168.100.31
B	" . " . " . 32	"	"	" . " . " . 63
C	" . " . " . 64	"	"	" . " . " . 95
D	" . " . " . 96	"	"	" . " . " . 127
E	" . " . " . 128	"	"	" . " . " . 159

B) Tabela de Roteamento (VLSM)

E	192.168.100.0	255.255.255.224	/27	192.168.100.31
B	192.168.100.32	"	"	" . " . " . 63
A	192.168.100.64	" . " . " . 240	/28	" . " . " . 79
D	192.168.100.80	"	"	" . " . " . 95
C	192.168.100.96	" . " . " . 252	/30	" . " . " . 99
	- 192.168.100.99			

2) 10.20.30.0/24

Endereços	10.20.30.0 - 63	10.20.30.64 - 127	10.20.30.128 - 159	10.20.30.160 - 175	10.20.30.176 - 183
Máscara	255.255.255.192	255.255.255.192	255.255.255.224	255.255.255.240	255.255.255.248
Prefixo	/26	/26	/27	/28	/29
Broadcast	10.20.30.63	10.20.30.127	10.20.30.159	10.20.30.175	10.20.30.183
1º IP	10.20.30.1	10.20.30.65	10.20.30.129	10.20.30.161	10.20.30.177
Último IP	10.20.30.62	10.20.30.126	10.20.30.158	10.20.30.174	10.20.30.182

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Endereços	10.20.30.0 - 127	10.20.30.128 - 191	10.20.30.192 - 223	10.20.30.224 - 239	10.20.30.240 - 247
Máscara	255.255.255.128	255.255.255.192	255.255.255.224	255.255.255.240	255.255.255.248
Prefixo	/25	/26	/27	/28	/29
Broadcast	10.20.30.127	10.20.30.191	10.20.30.223	10.20.30.239	10.20.30.247
1º IP	10.20.30.1	10.20.30.129	10.20.30.193	10.20.30.225	10.20.30.241
Último IP	10.20.30.126	10.20.30.190	10.20.30.222	10.20.30.238	10.20.30.246