

Blue -> Public Pink -> Private

NETWORK Address PRIVATE	Class	1 0
# needed subnets	# needed usable host	2 1 4 2 8 3
Total # subnets	# bits borrowed	16 4 32 5
SUBNET MASK Default	Custom	128 7 256 8
HOST ADDRESS Total #	# usable	5/2 9 1029 (0 2048 11 4096 12
	# usable	4096 12 8192 13

#		NetID	Range	BroadCas
0	10-0,0.0	121		
1	10 0000000	00.00000000	0 10-0-8.0/21	
2	10. 0000000	0.00010 000	0 10-0.16.0121	
3				
:		:		
8/88	10.111111	1.11100 000.	0 10.255.224.0/21	
8/89	10-11/11/1	1,11101 000.	0 10.255.232.0/21	
8/90	10.1111111	1.1110000		2000)
8191	10-11/11/11	1.19111000		2000)
0	10.255.1110	1000-0	10.255-232-0/22	
1	10-255-1110			(1000)
	4			
0	10.255 . 111	0100.0	10.255.232.0/24	LOS DAGE
1	10.255.111	0101.0	10.255-233.0 /24	
2	10.255.111	0110.0	10.255.234.0 124	
31	0.255.111	01/11/1.0		250)
0	10.285.234.	000000000		
Ý	1	100		
6				
42		00	.168 /30	
43			172 /30	
44			1176 /30 S	
45		0.0	,180 /30 12	
46	A	00	.184 /30 (
47		60	188 130 P	
48	. 7.50		192/30 0	
49			196/30 N	
50			10-255.234,200 130 N	

51	00 110011	. 204/30 M
32	1101000	.208 /30
53	11010100	. 212 (30 K
34	11011000	. 216/30
55	1/0/1/00	120/30
86	11100000	. 224/30 H
57	11100166	.228 /30 6
58	11101000	. 232 /30 F
59	11101100	.236 /30 E
,0	1111000	. 240 /30 P
6	11110100	244/30
62	0001111	.248/30 B
63 10.25	5.234 11111100 10.2	255.234.252 /30 A

NETWORK PUBLIC Address Subnet Mask 20.0.0.0 **SubNetID** Range M=2 BroadCast 20.0.0.0 /30 419429 199 304 4199129 4194 4 194 (4) E 4 194 300 4 194 301 4 194 20.255.255.246 Harris Hillian, Millo B 4 194 20,255,255.252 303 11111111 . 11111111 . 111111

M

PETWORK

REDUIREMENTS

VLANS

NETWORK

Address

Subnet Mask

#	SubNetID	Range		BroadCast
0	10.255.248.0 /23			
	10.255.11111010.0	10.255.250.0123		
2	10.255.1111 100.0	10.255.252.0 /23	VLAN	20
3	10.255.111111110.0	10.255.254.0 /23		
	•		VETTIO	10
0	10.755.111101000000	10.255.250.0 /25		
1	0,1000000	10.255.250.128 /25		
2	1.0 000000	10-255.251.0 /25		
2	11. 000000	10.255.251.128 /25	VLAN	1 10
	11. (00000)	10.03.01.10 125	VLITI	0 10
0	10.255.251.0000000	10 2-7 251 0 121		
1	1 . 1	10.255.251.0/26	11/101	136)
•	11100000	10.255.251.64/26	VLAN	0.20
\wedge	10.255.251.00/0/00000	10 555 5 1 5 15		
		10.255.251.0/27		441 00
	1110000	10.255.251.37 /27	VL	AN 99
	4, 4			
	and the same of th			
-				
	**			
-				
		-		
	2			
23	24001602	Range		THE STREET

NETWORK

2046 1

1024 1

312 9

258

128

64

32

16

8

VLANS

1051-300 Address Subnet Mask 10.255.240.0 /21 mig 9 -512 SubNetID Range BroadCast h=1 10.255.240.0 /21 2-4 1/2, 255. 1111 dodg. 00000000 10.255.240.0 0 68 10.955.242.0 123 2 10 VLAN 20 10-95.944.0 /23) 3 16 VLAN 40 10.255.242.0/23 145 - 138 10,255.11110000.00000000 m=7 0 10.255.242 27-129 10.255 .242. 124 /25 9 2 10,255, 243, 0 /25 N-1 3 10.255.743.128 125) VLAN 10 12:19 10.255, 243 nosts-50 110.255,193. 0000 0000 14.755.743.0 /26 0 V10-6 10.255,243.64 (26) VLAN 30 6-64 M=1 1-2 705t5 76 10.255.293.0 /26 10.255.243.0/27 15-5 W. 255, 243.000 0000 10.255,243,32/27) VI AN 99 5.32 M-1 11-2