

ipv4

Classe A 0-127 10.10.10.10

Classe B 128 - 191 172.168.3.4

Classe C 192 - 223 192.168.1.206

Classe D 224 - 239 225.67.8.9

Classe E 240 - 255 255.255.255.255

Senza titolo - Paint

File Modifica Visualizza Immagine Strumenti Pennelli Forme Dimensioni Colori Cocreator Livelli

SUBNETTING

172.16.0.0 ? 172.16.0.0

256 - OTTETTO INTERESSATO.. 1 2 3 4

11111111.11111111.11111111.00000000

256 - 252 = 4

255.255.252.0

$N = 100 \Rightarrow 2^7 = 128$

$H = 90 \Rightarrow 2^H - 2 = 128 - 2 = 126$

OTTETTO INTERESSATO DOVE FINISCONO GLI 1 IN QUESTO CASO IL 3

S	IP NETWORK	IP BROADCAST	IP GATEWAY	IP HOST
1	<u>172.16.0.0/22</u>	<u>172.16.3.255/22</u>	<u>172.16.0.1/22</u>	PC1 <u>172.16.0.2 - 172.16.3.254/22</u>
2	172.16.4.0/22	172.16.7.255/22	172.16.4.1/22	172.16.4.2 - 172.16.7.254/22
3	172.16.8.0/22	172.16.11.255/22	172.16.8.1/22	172.16.8.2 - 172.16.11.254/22
4	172.16.12.0/22			
5	172.16.16.0/22			

1666 x 754pixel

23°C Preval: nuovo.

Cerca

13:39 09/04/2024

Scrivere per i seguenti IP: IP Network, IP Gateway 'convenzionale', IP Broadcast, quanti e quali ottetti per gli host, quanti e quali per la network.

- 1.1.1.1/8
- 128.1.6.5/12
- 200.1.2.3/24
- 192.192.1.1/22
- 126.5.4.3/9
- 200.1.9.8/24
- 172.16.0.4/16

1.1.1.1 / 8

Classe A - (8)

Subnet = 255.0.0.0

Broadcast = 1.255.255.255

IP Network = 1.0.0.0

IP Gateway = 1.0.0.1

IP Host = 1.0.0.2/8 a 1.255.255.254/8

8 Network e 24 Host

128.1.6.5/ 12

(1+2+4+8=15)

Classe B (8+4) = (11111111.11110000.00000000.00000000)
256.240.0.0

Subnet = 255.240.0.0

Broadcast = 128.15.255.255

Ip Network = 128.0.0.0/12

IP gateway = 128.0.0.1/12

IP Host = 128.0.0.2/12 A 128.15.255.254/12

12 Network + 20 Host

200.1.2.3/24

Classe C (8+8+8) = (11111111.11111111.11111111.00000000)

Subnet = 255.255.255.0

Broadcast = 200.1.2.255

IP Network = 200.1.2.0/24

IP Gateway = 200.1.2.1/24

IP Host = 200.1.2.1/24 A 200.255.254

24 Network+8 Host

192.192.1.1/22

Classe C (8+8+6) = (11111111.11111111.11111100.00000000)

Subnet = 255.255.252.0

Broadcast = 192.192.1.255/22

IP Network = 192.192.3.255

IP Gateway = 192.192.0.1

IP Host = 192.192.0.2 A 192.192.3.254
22 Network + 10 host

126.5.4.3/9
Classe A (8+1) = (nnnnnnnnn.nhhhhhhhh.hhhhhhhh.hhhhhhhh)

Subnet =126.128.0.0
Broadcast =126.128.255.255
IP Network =126.128.0.0
IP Gateway =126.128.0.1
IP Host =126.128.0.2
9 Network + 23 host

172.16.0.4/16
Classe B (8+8) (nnnnnnnnnn.nnnnnnnnnn.hhhhhhhhh.hhhhhhhhh)

Subnet =255.255.0.0
Broadcast = 172.16.255.255
IP Network =172.16.0.0
IP Gateway =172.16.0.1
IP Host =172.16.02 A 172.16.254