

1.1.1.1/8

IP: 1.1.1.1

CIDR: 8

IP in binario: 00000001.00000001.00000001.00000001

Subnet mask:

11111111.00000000.00000000.00000000 = 255.0.0.0

IP di rete: 1.0.0.0

Gateway: 1.0.0.1

Broadcast:

00000001.11111111. 11111111. 11111111 = 1.255.255.255

Host: 1.1.1

Classe: A

Numero host: $(2^{24}) - 2 = 16.777.216 - 2 = 16.777.214$

128.1.6.5/12

IP: 128.1.6.5

CIDR: 12

IP in binario: 10000000.00000001.00000110.00000101

Subnet mask:

11111111.11110000.00000000.00000000 = 255.240.0.0

IP di rete: 128.0.0.0

Gateway: 128.0.0.1

Broadcast:

10000000.00001111.11111111.11111111 = 128.15.255.255

Host: 1.6.5

Classe: B

Numero host: $(2^{20}) - 2 = 1.048.576 - 2 = 1.048.574$

200.1.2.3/24

IP: 200.1.2.3

CIDR: 24

IP in binario: 11001000.00000001.00000010.00000011

Subnet mask:

11111111. 11111111. 11111111.00000000 = 255.255.255.0

IP di rete: 200.1.2.0

Gateway: 200.1.2.1

Broadcast:

11001000.00000001.00000010.11111111 = 200.1.2.255

Host: 3

Classe: C

Numero host: $(2^8) - 2 = 256 - 2 = 254$

192.192.1.1/22

IP: 192.192.1.1

CIDR: 22

IP in binario: 11000000. 11000000.00000001.00000001

Calcolo subnet mask

11111111. 11111111. 11111100.00000000 = 255.255.252.0

IP di rete: 192.192.0.0

Gateway: 192.192.0.1

Broadcast:

11000000. 11000000.00000011.11111111 = 192.192.3.255

Host: 3

Classe: C

Numero host: $(2^{10}) - 2 = 1024 - 2 = 1022$

126.5.4.3/9

IP: 126.5.4.3

CIDR: 9

IP in binario: 01111110. 00000101.00000100.00000011

Subnet mask:

11111111. 10000000. 00000000.00000000 = 255.128.0.0

IP di rete: 126.0.0.0

Gateway: 126.0.0.1

Broadcast:

01111110. 01111111.11111111. 11111111 = 126.127.255.255

Host: 5.4.3

Classe: A

Numero host: $(2^{23}) - 2 = 8.388.608 - 2 = 8.388.606$

200.1.9.8/24

IP: 200.1.9.8

CIDR: 24

IP in binario: 11001000. 00000001.00001001.00001000

Subnet mask:

11111111.11111111.11111111.00000000 = 255.255.255.0

IP di rete: 200.1.9.0

Gateway: 200.1.9.1

Broadcast:

11001000. 00000001.00001001.11111111 = 200.1.9.255

Host: 8

Classe: C

Numero host: $(2^8) - 2 = 256 - 2 = 254$

172.16.0.4/16

IP: 172.16.0.4

CIDR: 16

IP in binario: 10101100. 00010000.00000000.00000100

Subnet mask:

11111111.11111111. 00000000.00000000 = 255.255.0.0

IP di rete: 172.16.0.0

Gateway: 172.16.0.1

Broadcast:

10101100. 00010000.11111111. 11111111 = 172.16.255.255

Host: 0.4

Classe: B

Numero host: $(2^{16}) - 2 = 65.536 - 2 = 65.534$