

Ho creato una rete con due switch, ognuno dei quali ha 3 PC.

PC0, PC1 e PC4 sono collegati allo switch 0.

PC5, PC3 e PC2 sono collegati allo switch 1.

Ho impostato i seguenti indirizzi ip di Classe C e utilizzato la subnetmask standard per questa classe (24 bit):

PC0 192.168.1.3/24

PC1 192.168.1.4/24

PC2 192.168.1.6/24

PC3 192.168.1.5/24

PC4 192.168.1.8/24

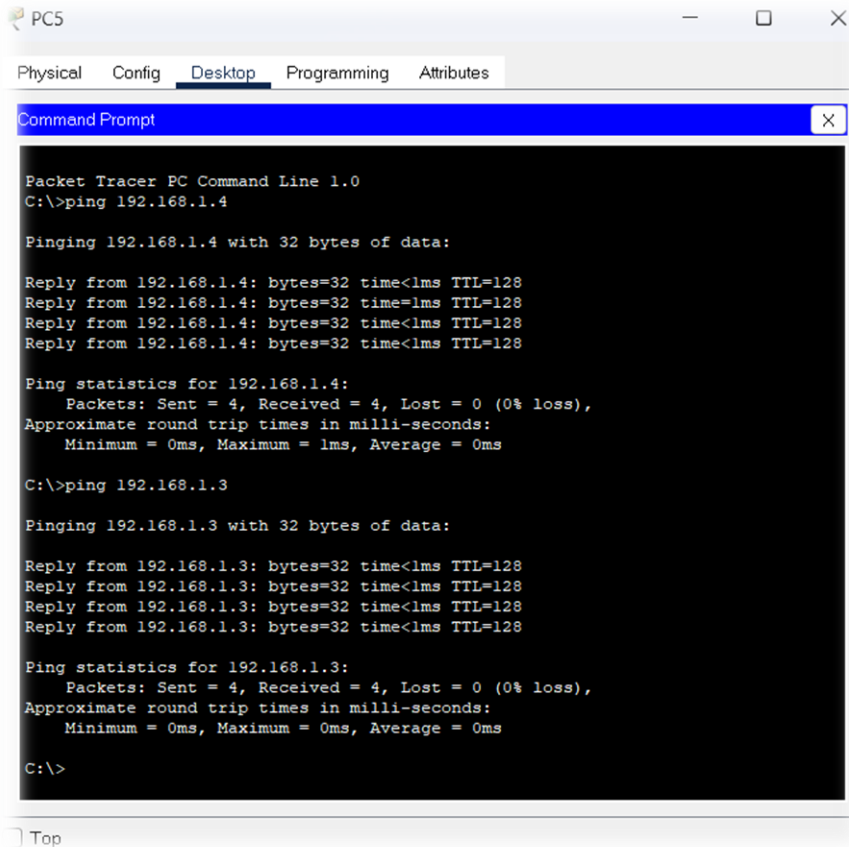
PC5 192.168.1.15/24

Ho dato il seguente ip gateway (anche se non necessario ai fini dell'esercizio, in quanto non viene richiesta una connessione esterna dalla nostra rete):

192.168.1.1/24

##PAGINA SUCCESSIVA PER VERIFICA PING##

I computer comunicano tutti fra di loro senza per l'appunto aver bisogno dell'ip gateway, in quanto fanno tutti parte della stessa rete. Per verificare che effettivamente comunichino, ho digitato il comando ping sul prompt dei comandi del PC5 con ad esempio PC0 e PC1:



The screenshot shows a Packet Tracer window for PC5. The 'Desktop' tab is active, displaying a 'Command Prompt' window. The command prompt shows the execution of two ping commands. The first command is 'ping 192.168.1.4', which results in four successful replies with 32 bytes of data, a time of less than 1ms, and a TTL of 128. The statistics show 4 packets sent, 4 received, and 0% loss. The second command is 'ping 192.168.1.3', which also results in four successful replies with the same parameters. The statistics show 4 packets sent, 4 received, and 0% loss. The prompt ends with 'C:\>'.

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Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.4

Pinging 192.168.1.4 with 32 bytes of data:

Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128
Reply from 192.168.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

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