

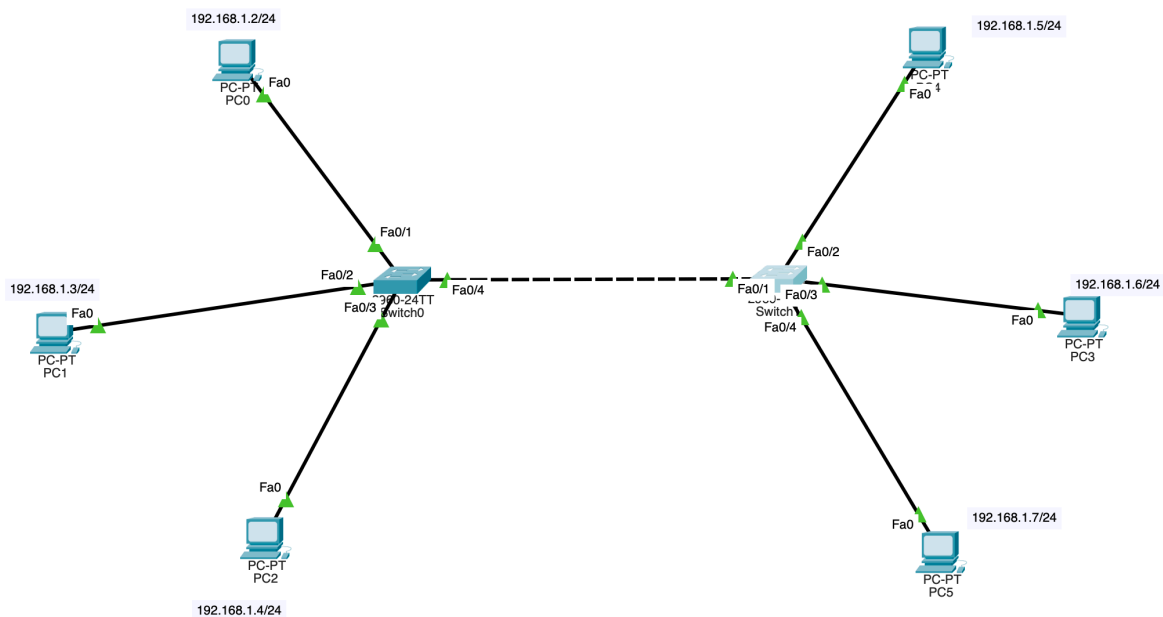
Ho iniziato creando la rete interna. Ho inserito 2 switch a cui ho collegato tramite cavo 3 host ciascuno, per un totale di 6 host.

Ho assegnato loro degli IPv4 di classe C, dato che dovevo collegare un basso numero di host. Ho eseguito i vari ping tra host e come da immagini allegate hanno dato tutti esiti positivi.

L'IP Network di questa rete è 192.168.1.0

L'IP Gateway di questa rete è 192.168.1.1 (anche se in questo caso non sarebbe necessario in quanto stiamo parlando di una rete interna)

Gli indirizzi IP assegnati a ogni host differiscono nell'ultimo ottetto per far sì che non vi siano conflitti fra di loro.



Ping pc5 con pc0

```
PC5
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

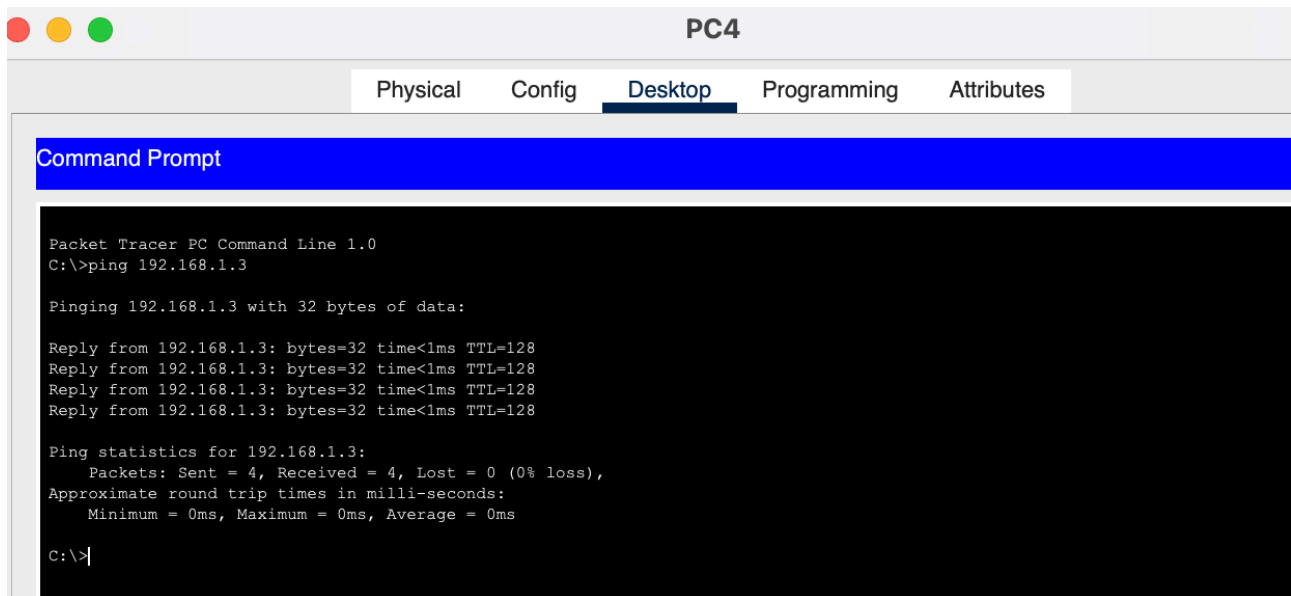
Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

Ping pc4 con pc1



The screenshot shows the Packet Tracer interface for PC4. The 'Desktop' tab is selected, displaying a 'Command Prompt' window. The command prompt shows the execution of the 'ping 192.168.1.3' command, which was successful. The output indicates that 4 packets were sent and received with 0% loss, and the round trip times were all 0ms.

```
Packet Tracer PC Command Line 1.0
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:\>|
```