

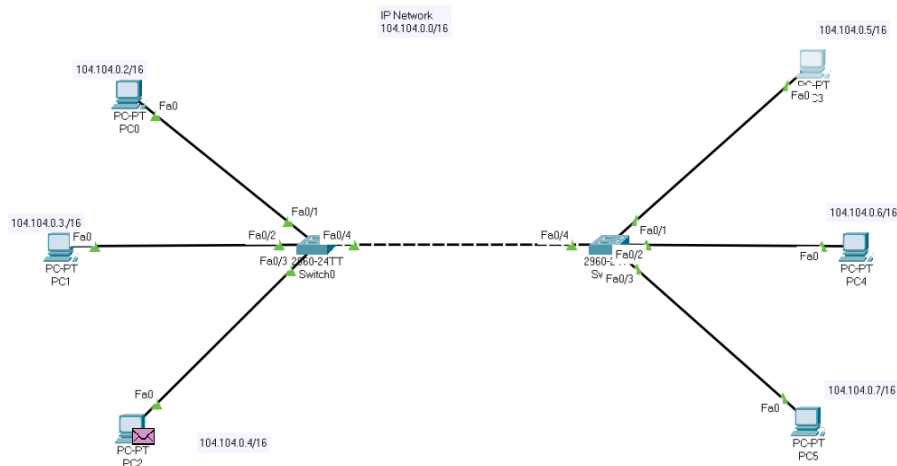
CISCO PACKET TRACER

Indirizzo IP di riferimento: 104.104.28.08/16

Come da testo dell'esercizio in esame, ho realizzato un una rete composta da:

- 2 switch
- 6 dispositivi (suddivisi in 3 dispositivi collegati a ciascun switch)

La rete al completo apparirà come da allegato:



Dopodichè ho assegnato un IP per ciascun dispositivo:

- PC0: 104.104.0.2/16
- PC1: 104.104.0.3/16
- PC2: 104.104.0.4/16
- PC3: 104.104.0.5/16
- PC4: 104.104.0.6/16
- PC5: 104.104.0.7/16

Una volta assegnati gli indirizzi IP a ciascun dispositivo, ho verificato che fossero collegati correttamente tra di loro, grazie al comando PING, di seguito sono rappresentati due esempi.

Da PC0 a PC3:

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 104.104.0.5

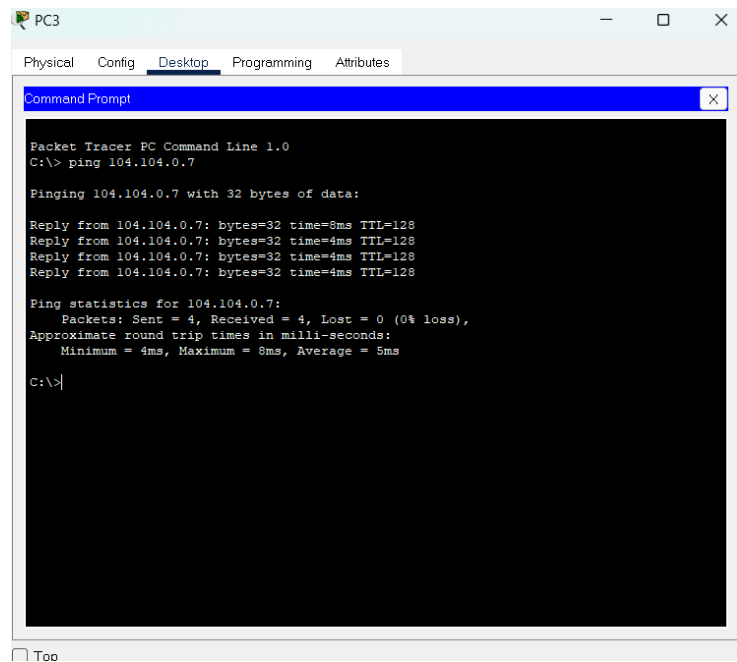
Pinging 104.104.0.5 with 32 bytes of data:

Reply from 104.104.0.5: bytes=32 time<1ms TTL=128
Reply from 104.104.0.5: bytes=32 time<1ms TTL=128
Reply from 104.104.0.5: bytes=32 time<1ms TTL=128
Reply from 104.104.0.5: bytes=32 time<1ms TTL=128

Ping statistics for 104.104.0.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

Da PC3 a PC5:



```
PC3
Physical Config Desktop Programming Attributes
Command Prompt

Packet Tracer PC Command Line 1.0
C:\> ping 104.104.0.7

Pinging 104.104.0.7 with 32 bytes of data:

Reply from 104.104.0.7: bytes=32 time=8ms TTL=128
Reply from 104.104.0.7: bytes=32 time=4ms TTL=128
Reply from 104.104.0.7: bytes=32 time=4ms TTL=128
Reply from 104.104.0.7: bytes=32 time=4ms TTL=128

Ping statistics for 104.104.0.7:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 8ms, Average = 5ms

C:\>
```

Tutto risulta funzionare in maniera corretta.

Dopodichè ho avviato la simulazione per verificare il corretto funzionamento del sistema secondo il modello ISO/OSI.

