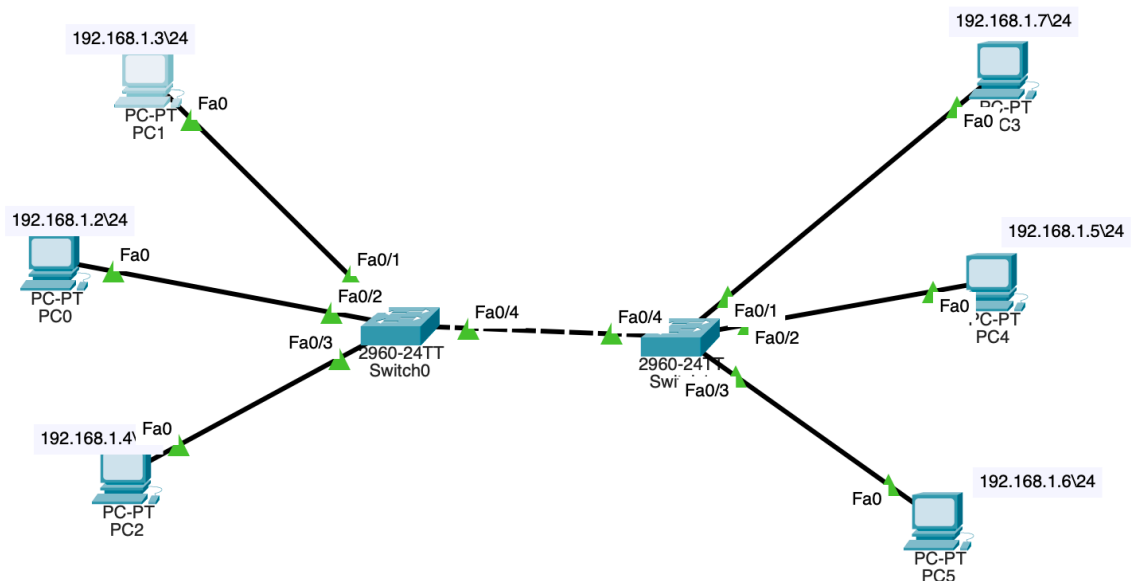


Andrea Pepe

ESERCIZIO S1/L3 Cisco Packet Tracer

Come richiesto dall'esercizio ho inserito 6 host e 2 switch (3 host per ogni switch), dopodiché ho annotato e configurato i vari indirizzi IP per ogni PC inserito nella rete.



Successivamente per confermare che gli host siano collegati sulla stessa rete ho eseguito il test con il comando ping.

```
Packet Tracer PC Command Line 1.0
C:\>ping
Packet Tracer PC Ping

Usage: ping [-n count | -v TOS | -t ] target

C:\>ping 192.168.1.6

Pinging 192.168.1.6 with 32 bytes of data:

Reply from 192.168.1.6: bytes=32 time=1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128
Reply from 192.168.1.6: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>|
```

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.5

Pinging 192.168.1.5 with 32 bytes of data:

Reply from 192.168.1.5: bytes=32 time=2ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```

Come possiamo vedere dai test di ping:

- Nel primo caso da PC1(IP 192.168.1.3) ho pingato PC5 (IP 192.168.1.6) con riscontro positivo.
- Nel secondo caso da PC2 (IP 192.168.1.4) ho pingato PC4 (IP 192.168.5) anche questo con riscontro positivo.

Se nel caso non fossero stati collegati sulla stessa rete avrei avuto questo tipo di scenario:

```
C:\>ping 192.168.1.8

Pinging 192.168.1.8 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.8:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

