

REPORT S1/L3

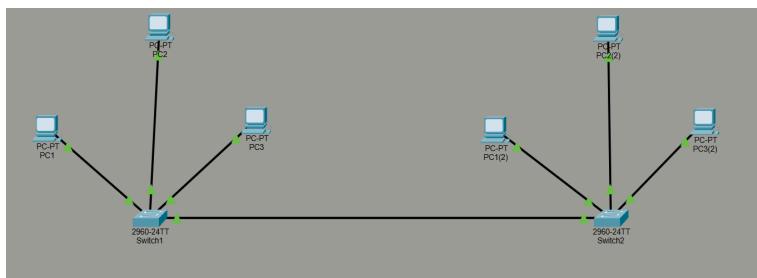
Creazione e configurazione di una rete con due switch e sei host

1. Obiettivo:

- Creare una rete composta da **2 switch**
- Collegare **6 host totali, 3 per ogni switch**
- Configurare **tutti gli host nella stessa rete**
- Verificare che **tutti i dispositivi possano comunicare tra loro**

2. Struttura della rete:

- Switch 1 collegato a: **PC1 ,PC2, PC3**
- Switch 2 collegato a: **PC1(2) , PC2(2), PC3(2)**



3. Configurazione indirizzi IP:

- **Network ID:** 192.168.10.0
- **Subnet mask:** 255.255.255.0

Host	Indirizzo IP	Subnet Mask
PC1	192.168.10.11	255.255.255.0
PC2	192.168.10.12	255.255.255.0
PC3	192.168.10.13	255.255.255.0
PC1 (SW2)	192.168.10.14	255.255.255.0
PC2 (SW2)	192.168.10.15	255.255.255.0
PC3 (SW2)	192.168.10.16	255.255.255.0

4. Verifica della comunicazione — PING

The image shows two terminal windows from Cisco Packet Tracer. The left window displays the command-line interface for host 10.11, showing ping results to host 10.16. The right window shows the command-line interface for host 10.16, displaying ping results back to host 10.11. Both pings are successful with 0% loss and low latency.

```
Pinging 192.168.10.11 with 32 bytes of data:
Reply from 192.168.10.11: bytes=32 time=6ms TTL=128
Reply from 192.168.10.11: bytes=32 time=5ms TTL=128
Reply from 192.168.10.11: bytes=32 time=2ms TTL=128
Reply from 192.168.10.11: bytes=32 time=3ms TTL=128

Ping statistics for 192.168.10.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 6ms, Average = 4ms

C:\>ping 192.168.10.13

Pinging 192.168.10.13 with 32 bytes of data:
Reply from 192.168.10.13: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.13:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.10.14

Pinging 192.168.10.14 with 32 bytes of data:
Reply from 192.168.10.14: bytes=32 time<1ms TTL=128
Reply from 192.168.10.14: bytes=32 time<1ms TTL=128
Reply from 192.168.10.14: bytes=32 time=6ms TTL=128
Reply from 192.168.10.14: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.14:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.16

Pinging 192.168.10.16 with 32 bytes of data:
Reply from 192.168.10.16: bytes=32 time=2ms TTL=128
Reply from 192.168.10.16: bytes=32 time=2ms TTL=128
Reply from 192.168.10.16: bytes=32 time=4ms TTL=128
Reply from 192.168.10.16: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.10.16:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 4ms, Average = 3ms

C:\>ping 192.168.10.15

Pinging 192.168.10.15 with 32 bytes of data:
Reply from 192.168.10.15: bytes=32 time=1ms TTL=128
Reply from 192.168.10.15: bytes=32 time<1ms TTL=128
Reply from 192.168.10.15: bytes=32 time<1ms TTL=128
Reply from 192.168.10.15: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.15:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```