

# REPORT S1/L3

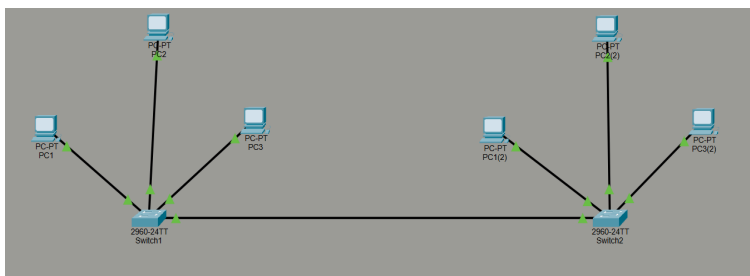
*Creazione e configurazione di una rete con due switch e sei host*

## 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

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
Reply from 192.168.10.13: bytes=32 time<1ms TTL=128
Reply from 192.168.10.13: bytes=32 time<1ms TTL=128
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:\>