

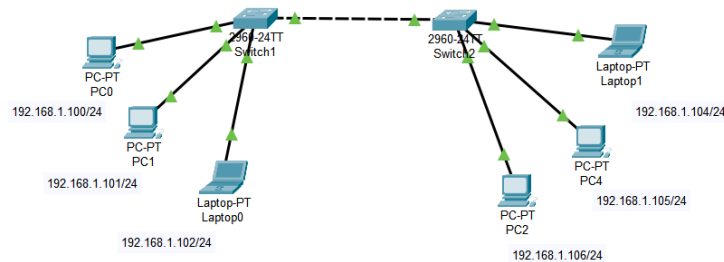
# Cisco Packet S1/L3

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Il laboratorio di oggi consiste nella creazione e configurazione di una rete di calcolatori con il tool Cisco Packet Tracer. Creare una rete con due switch e 6 host, 3 host per ogni switch. Questi 6 host devono far parte tutti della stessa rete e devono comunicare tutti tra loro.

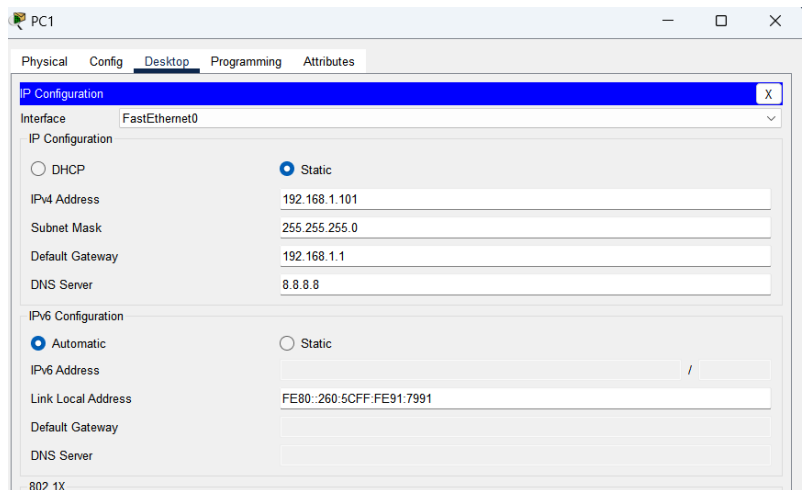
1) Creo la rete come descritto dalla traccia



2) Modifico le impostazioni della scheda di rete di ogni host, impostando IP di rete statico

- PC0 – 192.168.1.100
- PC1 – 192.168.1.101
- PC2 – 192.168.1.106
- PC4 – 192.168.1.105
- Laptop0 - 192.168.1.102
- Laptop1 - 192.168.1.104

Subnet Mask: 255.255.255.0  
Default Gateway: 192.168.1.1  
DNS Server 8.8.8.8



3) Testo il corretto funzionamento della rete effettuando le varie simulazioni e/o effettuando il ping tra i vari terminali

| Fire | Last Status | Source  | Destination | Type | Color | Time(sec) | Periodic | Num | Edit   | Delete   |
|------|-------------|---------|-------------|------|-------|-----------|----------|-----|--------|----------|
|      | Successful  | PC0     | Laptop1     | ICMP |       | 0.000     | N        | 1   | (edit) | (delete) |
|      | Successful  | Laptop0 | PC2         | ICMP |       | 0.000     | N        | 2   | (edit) | (delete) |
|      | Successful  | Laptop1 | PC2         | ICMP |       | 0.000     | N        | 3   | (edit) | (delete) |
|      | Successful  | PC2     | PC1         | ICMP |       | 0.000     | N        | 4   | (edit) | (delete) |

Ping da Laptop1 a PC0

```
FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: FE80::230:F2FF:FE85:B794
IPv6 Address.....: ::
IPv4 Address.....: 192.168.1.104
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
                        192.168.1.1

Bluetooth Connection:

Connection-specific DNS Suffix...:
Link-local IPv6 Address.....: ::
IPv6 Address.....: ::
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
                        0.0.0.0

C:\>ping 192.168.1.100

Pinging 192.168.1.100 with 32 bytes of data:

Reply from 192.168.1.100: bytes=32 time<lms TTL=128
Reply from 192.168.1.100: bytes=32 time<lms TTL=128
Reply from 192.168.1.100: bytes=32 time<lms TTL=128
Reply from 192.168.1.100: bytes=32 time<lms TTL=128
```

Ping da PC1 a Laptop0

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.102

Pinging 192.168.1.102 with 32 bytes of data:

Reply from 192.168.1.102: bytes=32 time<lms TTL=128
Reply from 192.168.1.102: bytes=32 time<lms TTL=128
Reply from 192.168.1.102: bytes=32 time<lms TTL=128
Reply from 192.168.1.102: bytes=32 time<lms TTL=128

Ping statistics for 192.168.1.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```