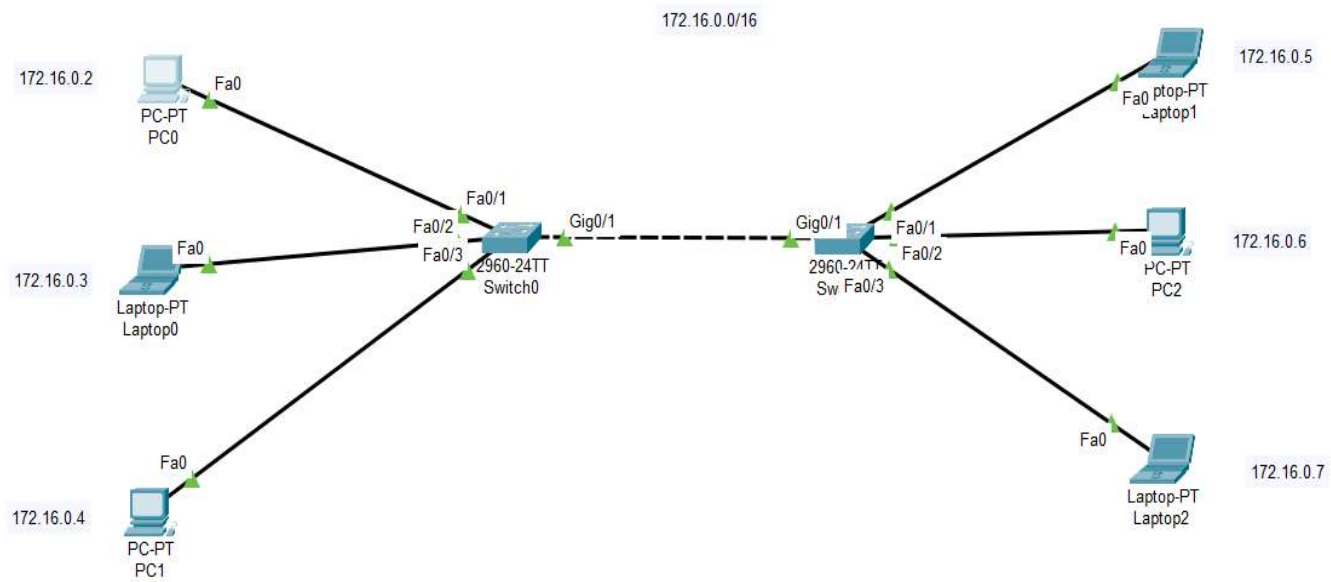


Packet Tracer

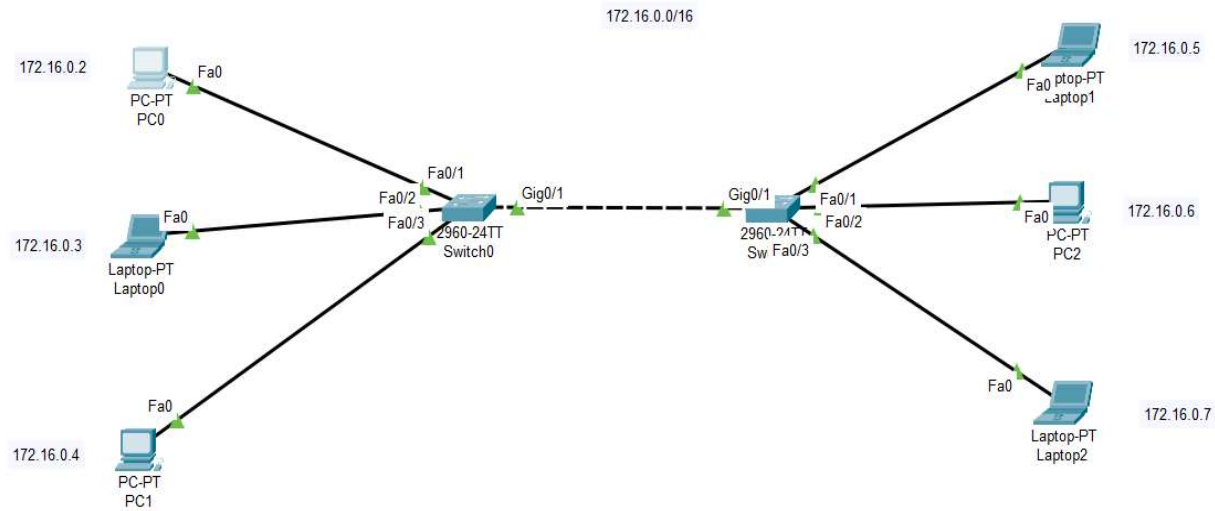
Esercizio: Il laboratorio di oggi consiste nella creazione e configurazione di una rete di calcolatori utilizzando il tool Cisco Packet Tracer.

Obiettivo Creare e configurare una rete con due switch e sei host, con tre host per ogni switch.

Tutti i sei host devono far parte della stessa rete e devono essere in grado di comunicare tra loro.



Imposto come rete 172.16.0.0/16 avente come Subnet 11111111.11111111.00000000.00000000



Inserisco in ogni Host il proprio IP e la subnet, cliccando sul pc, config ed interface fastethernet0.

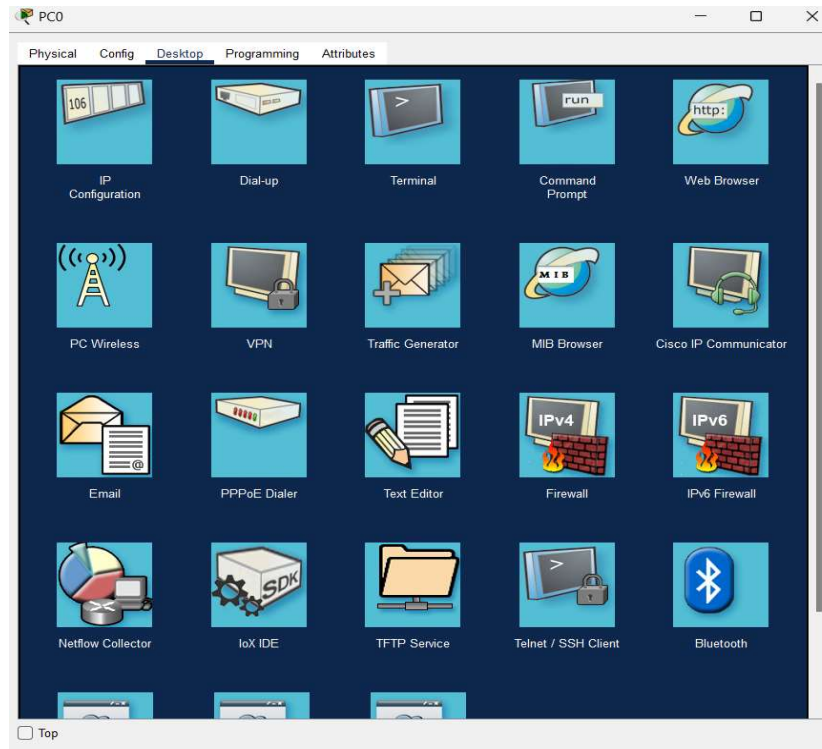
The screenshot displays the configuration window for PC2, specifically the 'Config' tab for the 'FastEthernet0' interface. The window is divided into several sections:

- GLOBAL**: Includes 'Settings' and 'Algorithm Settings'.
- INTERFACE**: Includes 'FastEthernet0' and 'Bluetooth'.
- FastEthernet0 Configuration**:
 - Port Status**: 'On' (checked).
 - Bandwidth**: '100 Mbps' (selected), '10 Mbps' (unselected).
 - Duplex**: 'Auto' (checked), 'Half Duplex' (unselected), 'Full Duplex' (unselected).
 - MAC Address**: '0001.4357.23C2'.
 - IP Configuration**:
 - DHCP**: Unselected.
 - Static**: Selected.
 - IPv4 Address**: '172.16.0.6'.
 - Subnet Mask**: '255.255.0.0'.
 - IPv6 Configuration**:
 - Automatic**: Unselected.
 - Static**: Selected.
 - IPv6 Address**: Empty field.
 - Link Local Address**: 'FE80::201:43FF:FE57:23C2'.

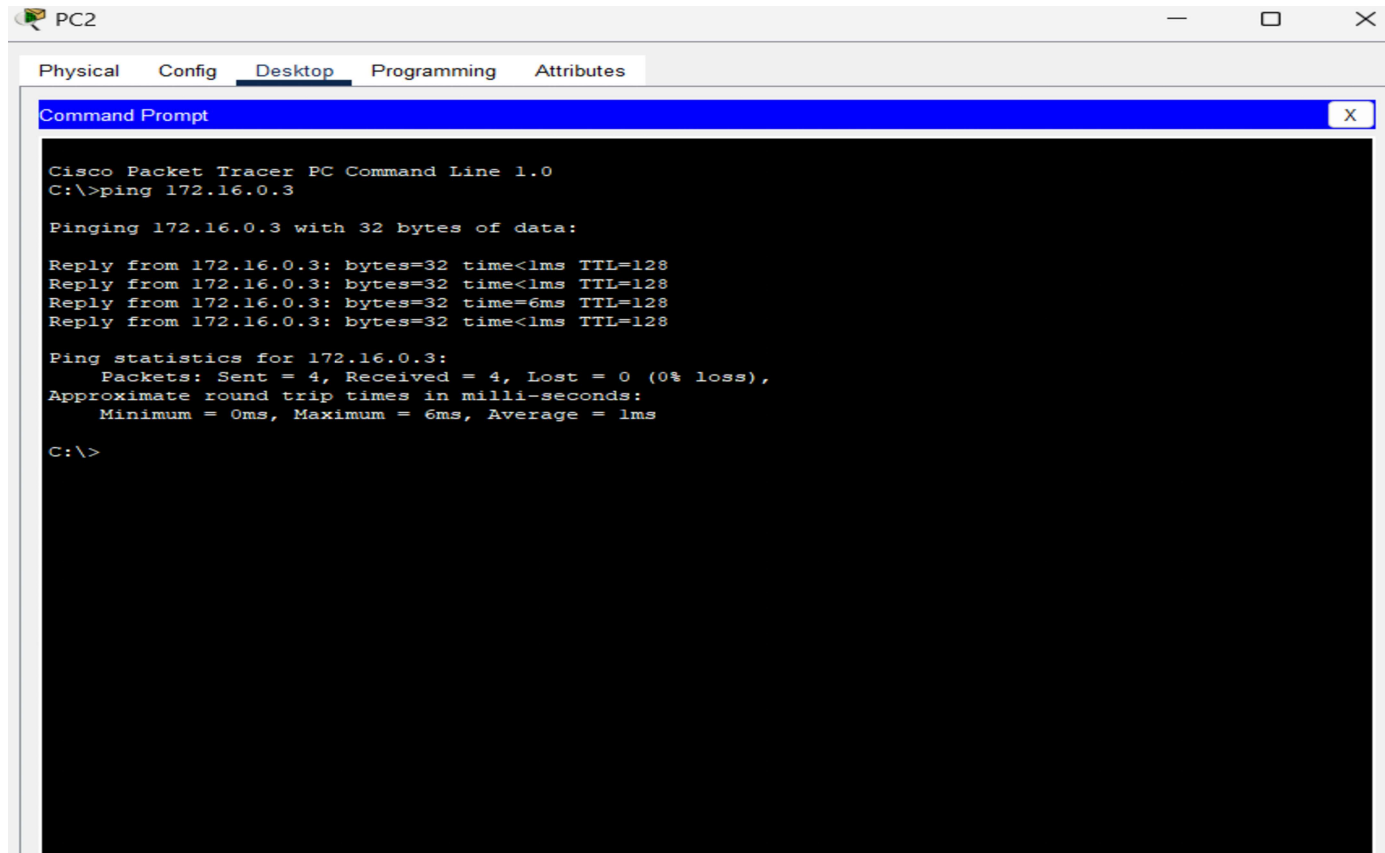
To the right of the configuration window, a network diagram shows three devices connected to a central switch:

- ptop-PT Laptop1**: Connected to Fa0, IP address 172.16.0.5.
- PC-PT PC2**: Connected to Fa0, IP address 172.16.0.6.
- Laptop-PT Laptop2**: Connected to Fa0, IP address 172.16.0.7.

Una volta inseriti i vari IP e subnet ad ogni host verifico il loro effettivo collegamento tramite la funzione ping sul prompt dei comandi, cliccando sul pc → desktop → command prompt



Una volta inseriti i vari IP e subnet ad ogni host verifico il loro effettivo collegamento tramite la funzione ping sul prompt dei comandi, cliccando sul pc → desktop → command prompt



```
PC2
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.16.0.3

Pinging 172.16.0.3 with 32 bytes of data:

Reply from 172.16.0.3: bytes=32 time<1ms TTL=128
Reply from 172.16.0.3: bytes=32 time<1ms TTL=128
Reply from 172.16.0.3: bytes=32 time=6ms TTL=128
Reply from 172.16.0.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms

C:\>
```