

Laptop0

Physical **Config** Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060.2F83.7500

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.115.1

Subnet Mask 255.255.255.0

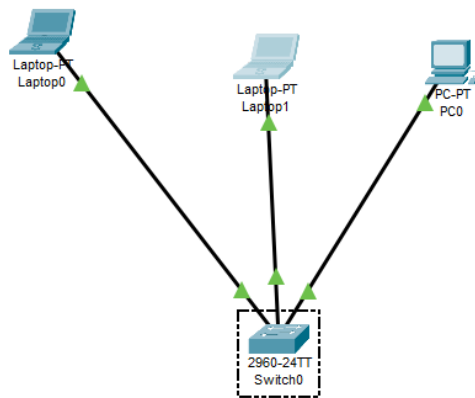
IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::260:2FFF:FE83:7500



Laptop1

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.4347.0BA8

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.115.2

Subnet Mask 255.255.255.0

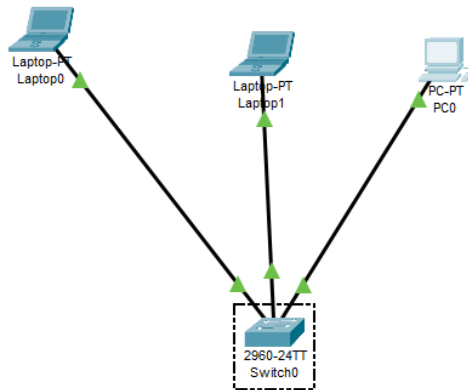
IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::201:43FF:FE47:BA8



PC0

Physical **Config** Desktop Programming Attributes

GLOBAL

- Settings
- Algorithm Settings
- INTERFACE**
- FastEthernet0
- Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 000A.F303.B35B

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.115.3

Subnet Mask 255.255.255.0

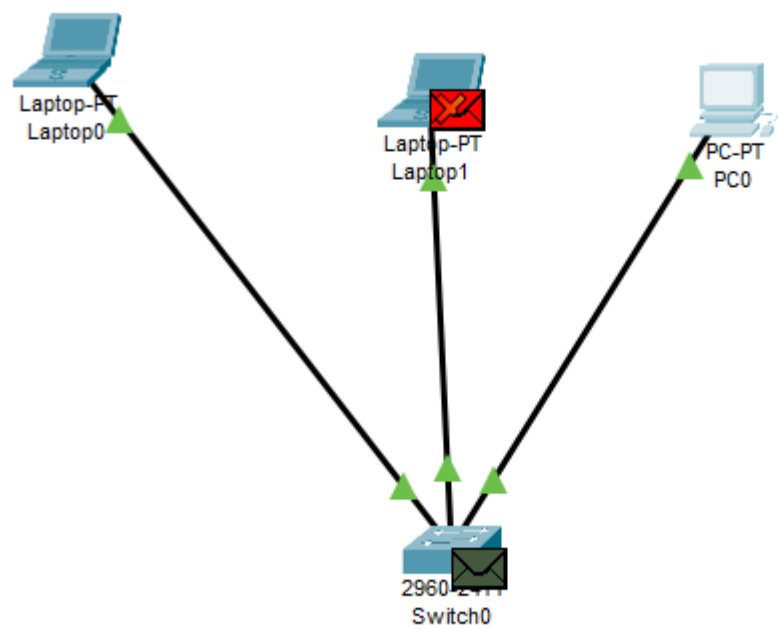
IPv6 Configuration

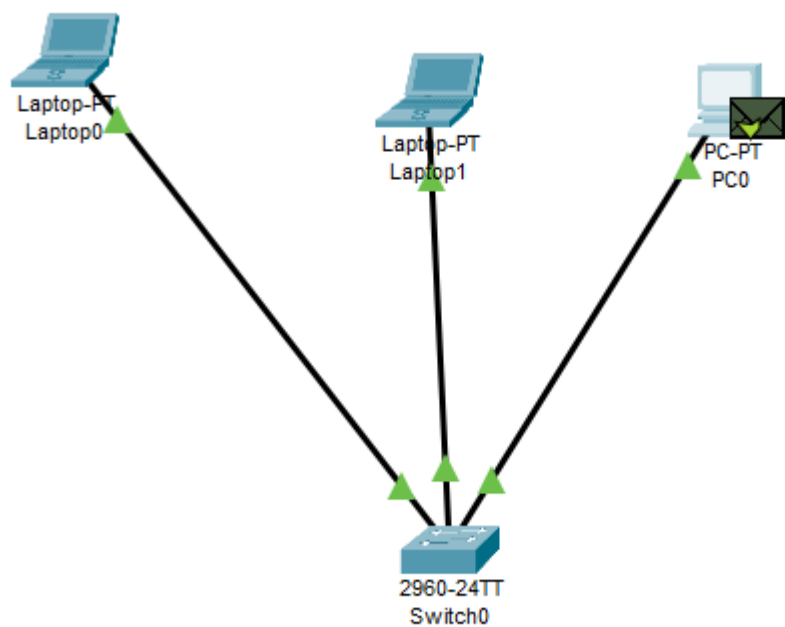
☐ Automatic

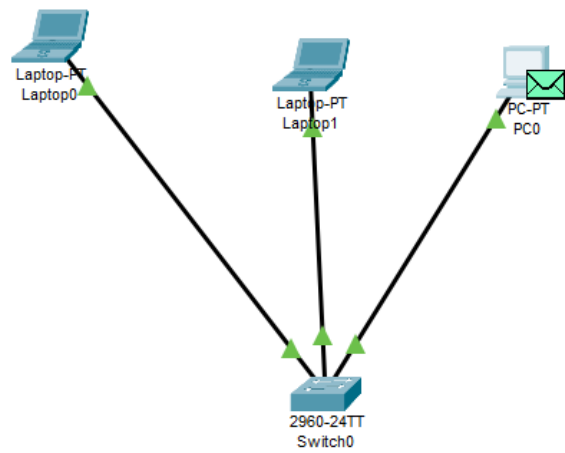
☒ Static

IPv6 Address /

Link Local Address: FE80::20A:F3FF:FE03:B35B







PC0

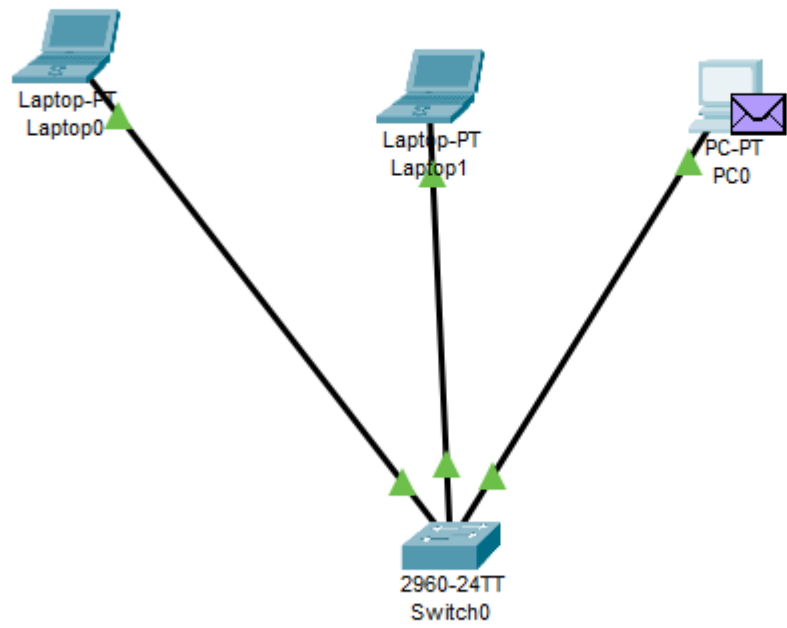
Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.115.1

Pinging 192.168.115.1 with 32 bytes of data:

Reply from 192.168.115.1: bytes=32 time=4ms TTL=128
```



Quesito facoltativo:

Il livello di collegamento dati 2 sembra usare il protocollo ARP mentre il livello 3 ha usato il protocollo ICMP come da screen sotto.

PDU Information at Device: PC0

OSI Model Outbound PDU Details

At Device: PC0
Source: PC0
Destination: 192.168.115.1

In Layers	Out Layers
Layer7	Layer7
Layer6	Layer6
Layer5	Layer5
Layer4	Layer4
Layer3	Layer 3: IP Header Src. IP: 192.168.115.3, Dest. IP: 192.168.115.1 ICMP Message Type: 8
Layer2	Layer 2: Ethernet II Header 000A.F303.B35B >> 0060.2F83.7500
Layer1	Layer 1: Port(s): FastEthernet0

1. The next-hop IP address is a unicast. The ARP process looks it up in the ARP table.
2. The next-hop IP address is in the ARP table. The ARP process sets the frame's destination MAC address to the one found in the table.
3. The device encapsulates the PDU into an Ethernet frame.