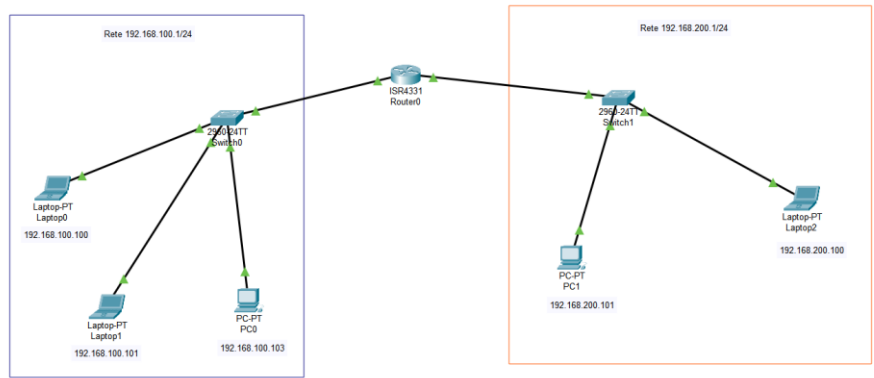# Packet Tracer – configurazione reti


```
Device Name: Laptop0
Device Model: Laptop-PT

Port          Link   IP Address         IPv6 Address                    MAC Address
FastEthernet0 Up     192.168.100.100/24 <not set>                       0050.0FA9.B798
Bluetooth     Down   <not set>          <not set>                       0010.1125.84D1

Gateway: 192.168.100.105
DNS Server: <not set>
Line Number:  <not set>

Physical Location: Intercity > Home City > Corporate Office > Laptop0
```

```
Device Name: PC0
Device Model: PC-PT

Port          Link   IP Address         IPv6 Address                    MAC Address
FastEthernet0 Up     192.168.100.103/24 <not set>                       0060.3E21.3C08
Bluetooth     Down   <not set>          <not set>                       00E0.B0A9.3712

Gateway: 192.168.100.105
DNS Server: <not set>
Line Number:  <not set>

Physical Location: Intercity > Home City > Corporate Office > PC0
```

```
Device Name: Laptop2
Device Model: Laptop-PT

Port          Link   IP Address         IPv6 Address                    MAC Address
FastEthernet0 Up     192.168.200.100/24 <not set>                       0060.3E9D.8C16
Bluetooth     Down   <not set>          <not set>                       0010.11C5.7318

Gateway: 192.168.200.105
DNS Server: <not set>
Line Number:  <not set>

Physical Location: Intercity > Home City > Corporate Office > Laptop2
```

Comunicazione

da   Laptop-PT-Laptop0   192.168.100.100

a   PC-PT-PC0   192.168.100.103
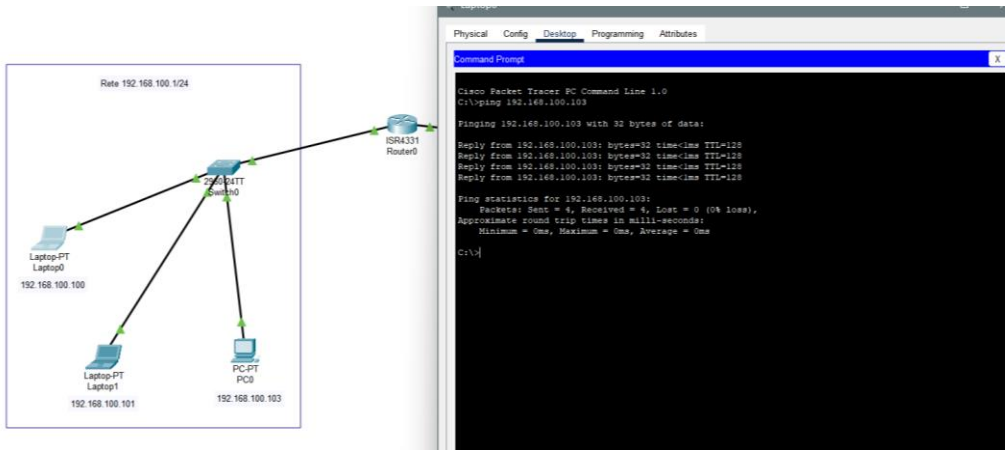
[Link alla simulazione](#)

Comunicazione

da   Laptop-PT-Laptop0   192.168.100.100

a   Laptop-PT-Laptop2   192.168.200.100
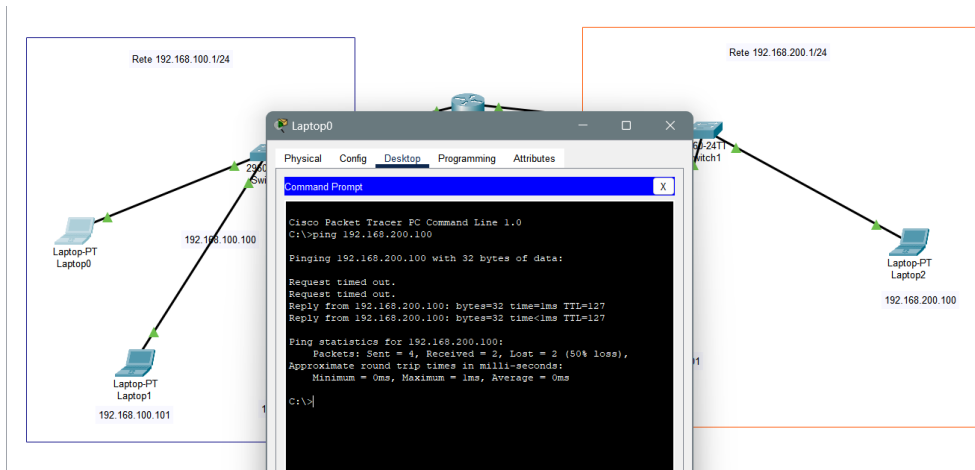
[Link alla simulazione](#)

Variazioni MAC address e IP Address

da   **Laptop-PT-Laptop0**   **192.168.100.100**

a   **Laptop-PT-Laptop2**   **192.168.200.100**

PDU Information at Device: Switch1

OSI Model | Inbound PDU Details | Outbound PDU Details

At Device: Switch1
Source: Laptop0
Destination: Laptop2

In Layers | **Out Layers**

Layer7 | Layer7
Layer6 | Layer6
Layer5 | Layer5
Layer4 | Layer4
Layer3 | Layer3
Layer 2: Ethernet II Header 0060.700D.9502 >> 0060.3E9D.8C16 | Layer 2: Ethernet II Header 0060.700D.9502 >> 0060.3E9D.8C16
Layer 1: Port GigabitEthernet0/1 | Layer 1: Port(s): FastEthernet0/2

1. GigabitEthernet0/1 receives the frame.

Challenge Me | << Previous Layer | Next Layer >>

Rete 192.168.200.1/24

2960-24TT
Switch1

PC-PT
PC1

192.168.200.101

Laptop-PT
Laptop2

192.168.200.100

PDU Information at Device: Laptop2

OSI Model | Inbound PDU Details | Outbound PDU Details

At Device: Laptop2
Source: Laptop0
Destination: Laptop2

In Layers | **Out Layers**

Layer7 | Layer7
Layer6 | Layer6
Layer5 | Layer5
Layer4 | Layer4
Layer 3: IP Header Src. IP: 192.168.100.100, Dest. IP: 192.168.200.100 ICMP Message Type: 8 | Layer 3: IP Header Src. IP: 192.168.200.100, Dest. IP: 192.168.100.100 ICMP Message Type: 0
Layer 2: Ethernet II Header 0060.700D.9502 >> 0060.3E9D.8C16 | Layer 2: Ethernet II Header 0060.3E9D.8C16 >> 0060.700D.9502
Layer 1: Port FastEthernet0 | Layer 1: Port(s): FastEthernet0

1. The ICMP process replies to the Echo Request by setting ICMP type to Echo Reply.
2. The ICMP process sends an Echo Reply.
3. The destination IP address 192.168.100.100 is not in the same subnet and is not the broadcast address.
4. The default gateway is set. The device sets the next-hop to default gateway.

Challenge Me | << Previous Layer | Next Layer >>

Rete 192.168.100.1/24

Laptop-PT
Laptop0

192.168.100.100

Laptop-PT
Laptop1

192.168.100.101

Rete 192.168.200.1/24

Laptop-PT
Laptop2

192.168.200.100