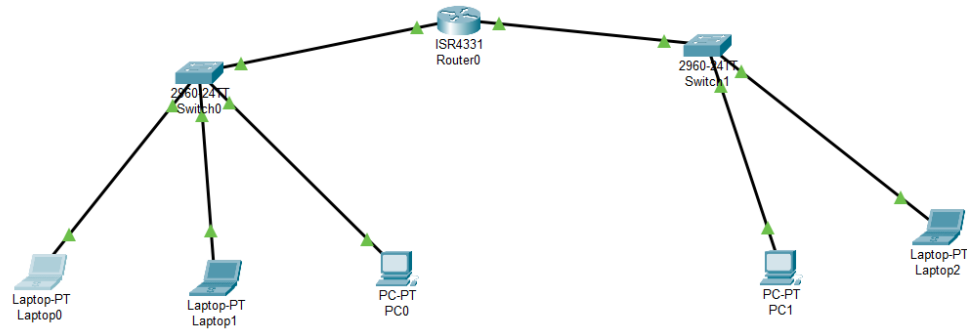


ESERCIZIO 2



- Comunicazione tra Laptop-PT0 con IP 192.168.100.100 con PC_PT_PC0 con IP 192.168.100.103

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.100.103

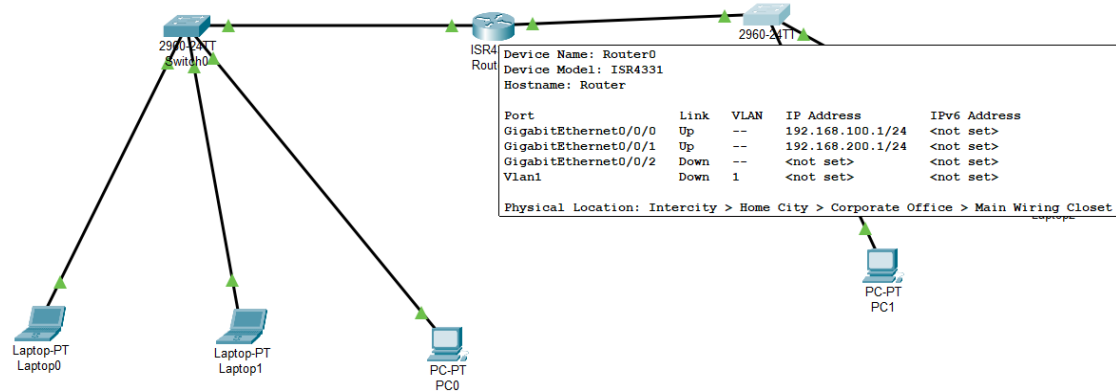
Pinging 192.168.100.103 with 32 bytes of data:

Reply from 192.168.100.103: bytes=32 time=2ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.100.103:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>|
```

- Comunicazione tra Laptop-PT0 con IP 192.168.100.100 con Laptop-PT2 con IP 192.168.200.100



```
C:\>ping 192.168.200.1

Pinging 192.168.200.1 with 32 bytes of data:

Reply from 192.168.200.1: bytes=32 time<lms TTL=255
Reply from 192.168.200.1: bytes=32 time<lms TTL=255
Reply from 192.168.200.1: bytes=32 time<lms TTL=255
Reply from 192.168.200.1: bytes=32 time<lms TTL=255

Ping statistics for 192.168.200.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

- Modifiche <<Source MAC e Destination MAC>> e <<Source IP e Destination IP>>

PDU Information at Device: Switch0

OSI Model
Inbound PDU Details
Outbound PDU Details

At Device: Switch0
Source: Laptop0
Destination: 192.168.200.100

In Layers
Layer7
Layer6
Layer5
Layer4
Layer3
Layer 2: Ethernet II Header 0006.2ADC.0C9C >> 0060.7059.1801
Layer 1: Port FastEthernet0/1

Out Layers
Layer7
Layer6
Layer5
Layer4
Layer3
Layer 2: Ethernet II Header 0006.2ADC.0C9C >> 0060.7059.1801
Layer 1: Port(s): GigabitEthernet0/1

1. FastEthernet0/1 receives the frame.

PDU Information at Device: Router0

OSI Model
Inbound PDU Details
Outbound PDU Details

At Device: Router0
Source: Laptop0
Destination: 192.168.200.100

In Layers
Layer7
Layer6
Layer5
Layer4
Layer 3: IP Header Src. IP: 192.168.100.100, Dest. IP: 192.168.200.100 ICMP Message Type: 8
Layer 2: Ethernet II Header 0006.2ADC.0C9C >> 0060.7059.1801
Layer 1: Port GigabitEthernet0/0/0

Out Layers
Layer7
Layer6
Layer5
Layer4
Layer 3: IP Header Src. IP: 192.168.100.100, Dest. IP: 192.168.200.100 ICMP Message Type: 8
Layer 2: Ethernet II Header 0060.7059.1802 >> 00D0.9732.0DAA
Layer 1: Port(s): GigabitEthernet0/0/1

1. GigabitEthernet0/0/0 receives the frame.

PDU Information at Device: Switch1

OSI Model

Inbound PDU Details

Outbound PDU Details

At Device: Switch1

Source: Laptop0

Destination: 192.168.200.100

In Layers

Layer7

Layer6

Layer5

Layer4

Layer3

Layer 2: Ethernet II Header

0060.7059.1802 >> 00D0.9732.0DAA

Layer 1: Port GigabitEthernet0/2

Out Layers

Layer7

Layer6

Layer5

Layer4

Layer3

Layer 2: Ethernet II Header

0060.7059.1802 >> 00D0.9732.0DAA

Layer 1: Port(s): FastEthernet0/2

1. GigabitEthernet0/2 receives the frame.

PDU Information at Device: Laptop2

OSI Model

Inbound PDU Details

Outbound PDU Details

At Device: Laptop2

Source: Laptop0

Destination: 192.168.200.100

In Layers

Layer7

Layer6

Layer5

Layer4

Layer 3: IP Header Src. IP:

192.168.100.100, Dest. IP:

192.168.200.100 ICMP Message Type: 8

Layer 2: Ethernet II Header

0060.7059.1802 >> 00D0.9732.0DAA

Layer 1: Port FastEthernet0

Out Layers

Layer7

Layer6

Layer5

Layer4

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

00D0.9732.0DAA >> 0060.7059.1802

Layer 1: Port(s): FastEthernet0

1. FastEthernet0 receives the frame.