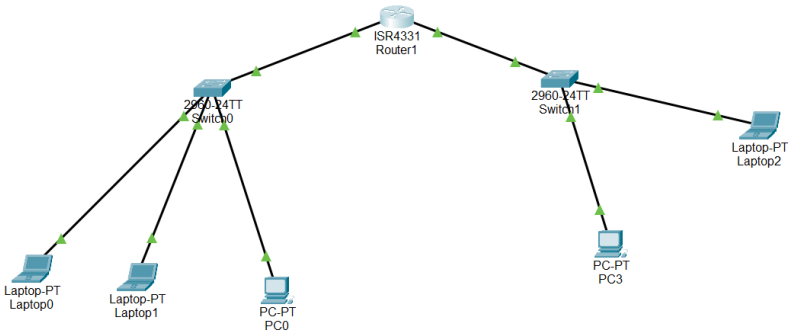


Laptop0

Physical | Config | Desktop | Programming | Attributes

IP Configuration X

Interface: FastEthernet0

IP Configuration

- DHCP
- Static — This address is already used in the network.

IPv4 Address	192.168.100.100
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration

- Automatic
- Static

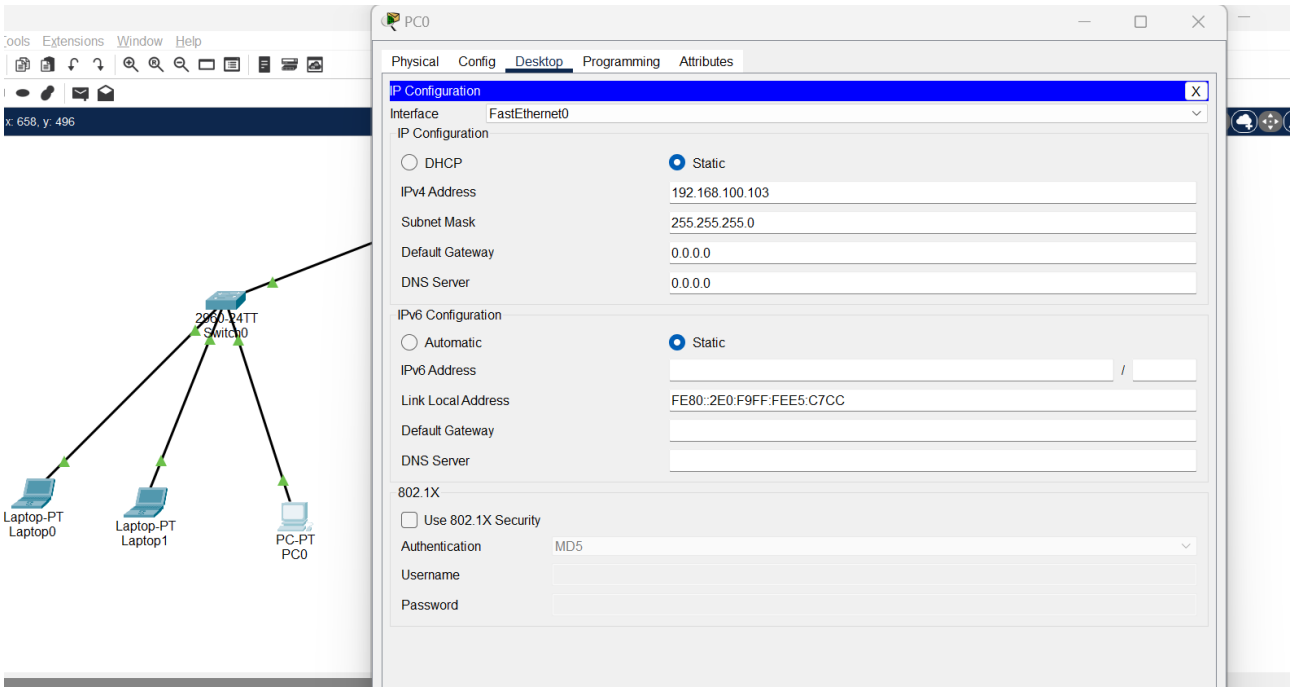
IPv6 Address	/
Link Local Address	FE80::201:C7FF:FE32:6622
Default Gateway	
DNS Server	

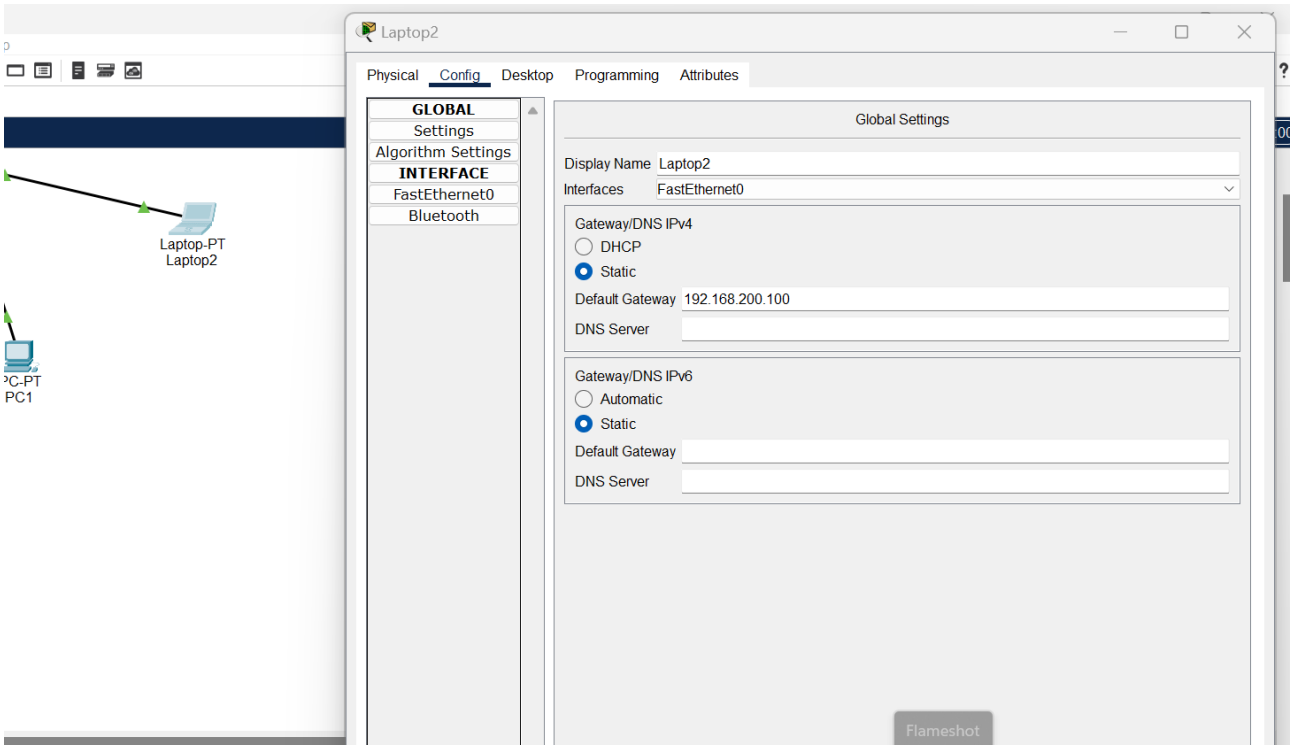
802.1X

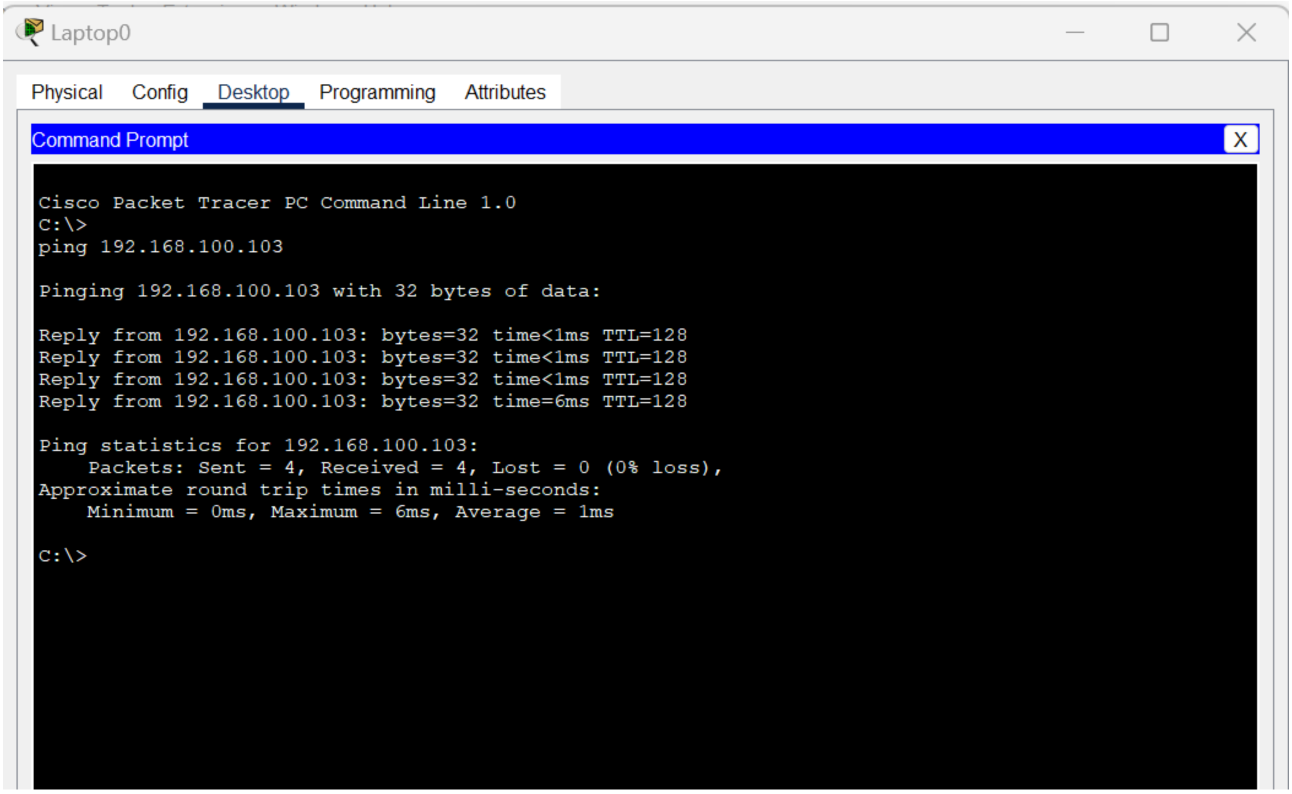
- [ ] Use 802.1X Security

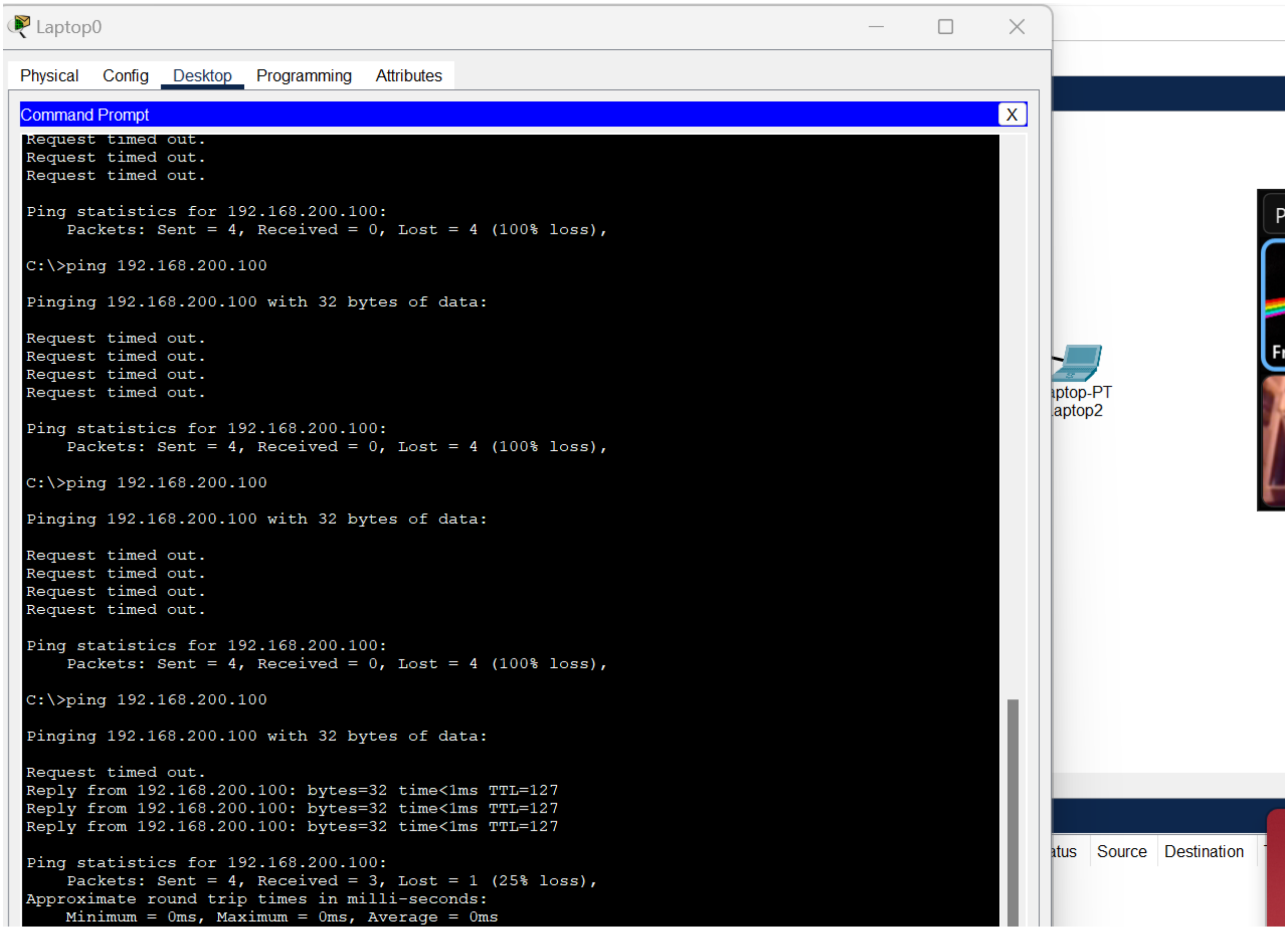
Authentication	MD5
Username	
Password	

- [ ] Top


Tools Extensions Window Help
x: 658, y: 496
2960-24TT
Switch0
Laptop-PT
Laptop0
Laptop-PT
Laptop1
PC-PT
PC0
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address 192.168.100.103
Subnet Mask 255.255.255.0
Default Gateway 0.0.0.0
DNS Server 0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address FE80::2E0:F9FF:FEE5:C7CC
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication MD5
Username
Password


Laptop-PT
Laptop2
PC-PT
PC1
Laptop2
Physical Config Desktop Programming Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
Global Settings
Display Name Laptop2
Interfaces FastEthernet0
Gateway/DNS IPv4
DHCP
Static
Default Gateway 192.168.200.100
DNS Server
Gateway/DNS IPv6
Automatic
Static
Default Gateway
DNS Server
Flameshot


Laptop0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
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<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
Reply from 192.168.100.103: bytes=32 time=6ms 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 = 6ms, Average = 1ms
C:\>


Laptop0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.200.100:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 192.168.200.100
Pinging 192.168.200.100 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.200.100:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 192.168.200.100
Pinging 192.168.200.100 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.200.100:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 192.168.200.100
Pinging 192.168.200.100 with 32 bytes of data:
Request timed out.
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.200.100:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
aptop-PT
aptop2
atus
Source
Destination

Il ruter permette la comprensione dell' indirizzo Mac di destinazione.

Il computer di partenza prima domanda all'interno della stessa rete se c'è il pc in questione tramite l'invio di pacchetti ovvero il ping + ip . Se non è presente risale al ruter il ruter non sa l'indirizzo ip definitivo del computer di destinazione ma è collegato comunque all' indirizzo ip contenente quelle cifre e conosce l'ip base allora spedisce i pacchetti a quello switch (contenente ip di destinazione di base)nella quale viene riposta la richiesta se c'è qualcuno con l'ip pingato. Ed è proprio così che viene rintarcciato il computer destinatario. Viene copreso qual''è l'ip destinatario tramite un dialogo tra tutti i pc della rete dove sono stati spediti i pacchetti.