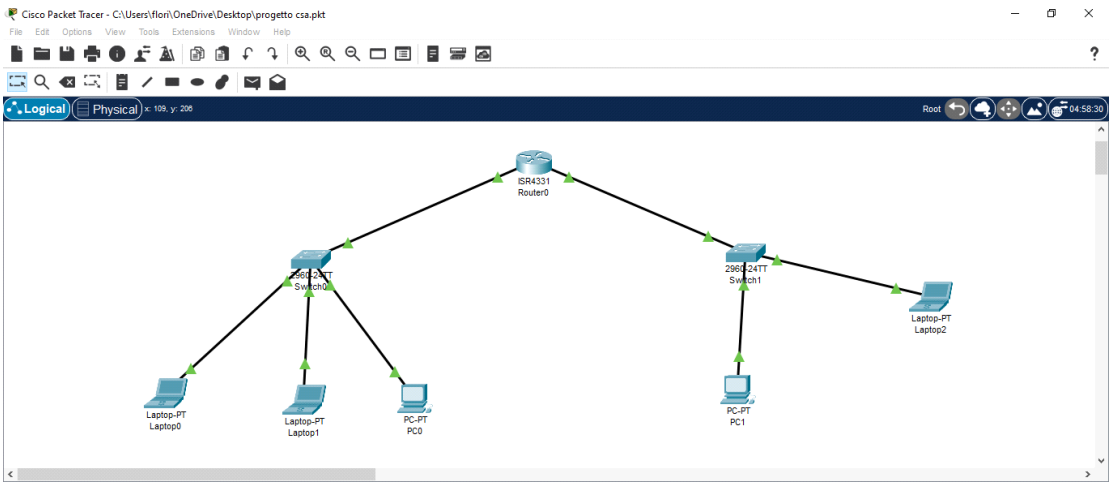
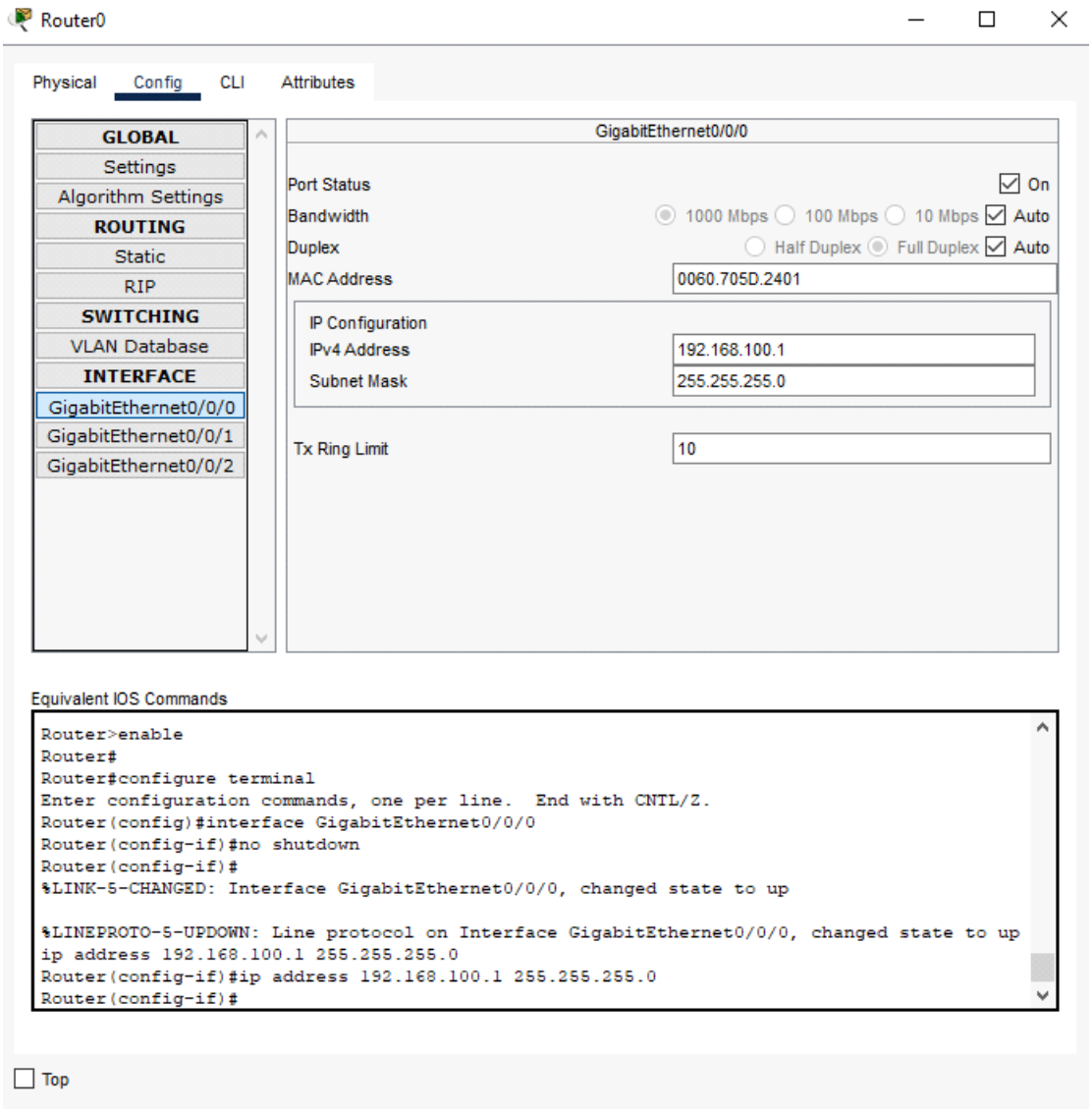
Esercizio W2D1

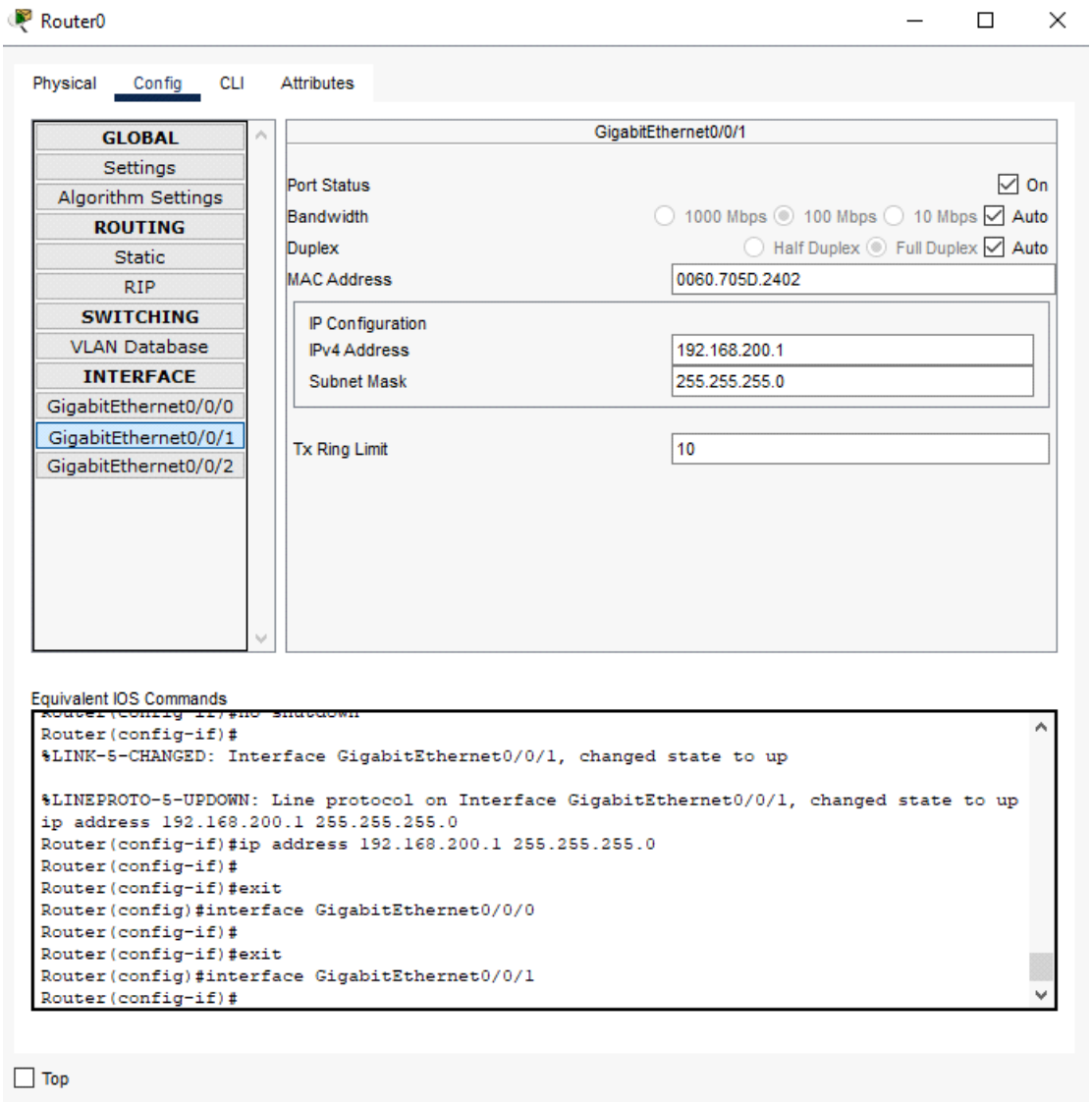
Di Peticaru Florin Eugen

La consegna dell'esercizio ci richiede di crare una struttura con due sottoreti diverse ce riescano a comunicare tra loro, come nella struttura che segue:



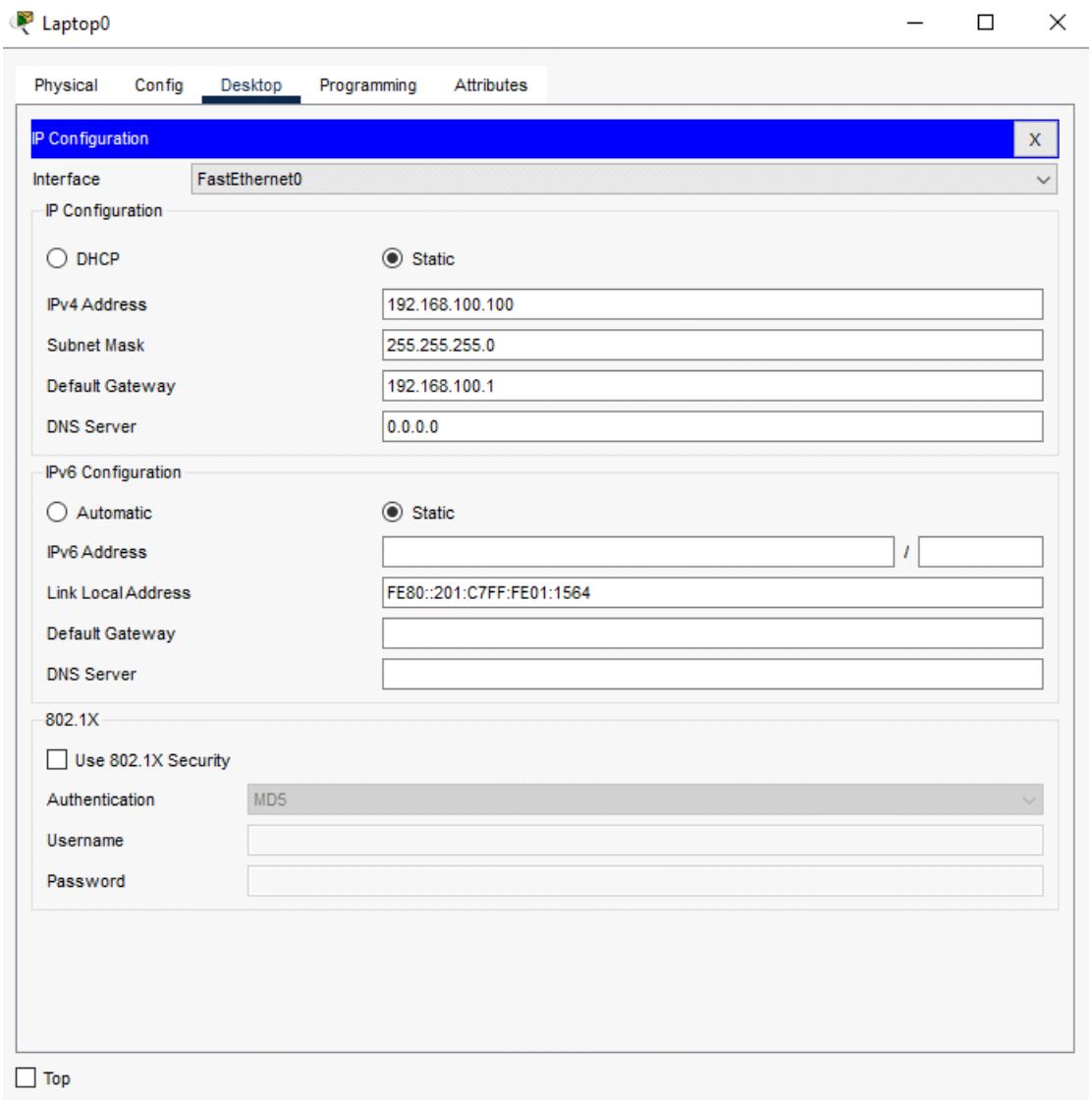
Iniziamo con la configurazione dei gateway per le due sottoreti all'interno del router:

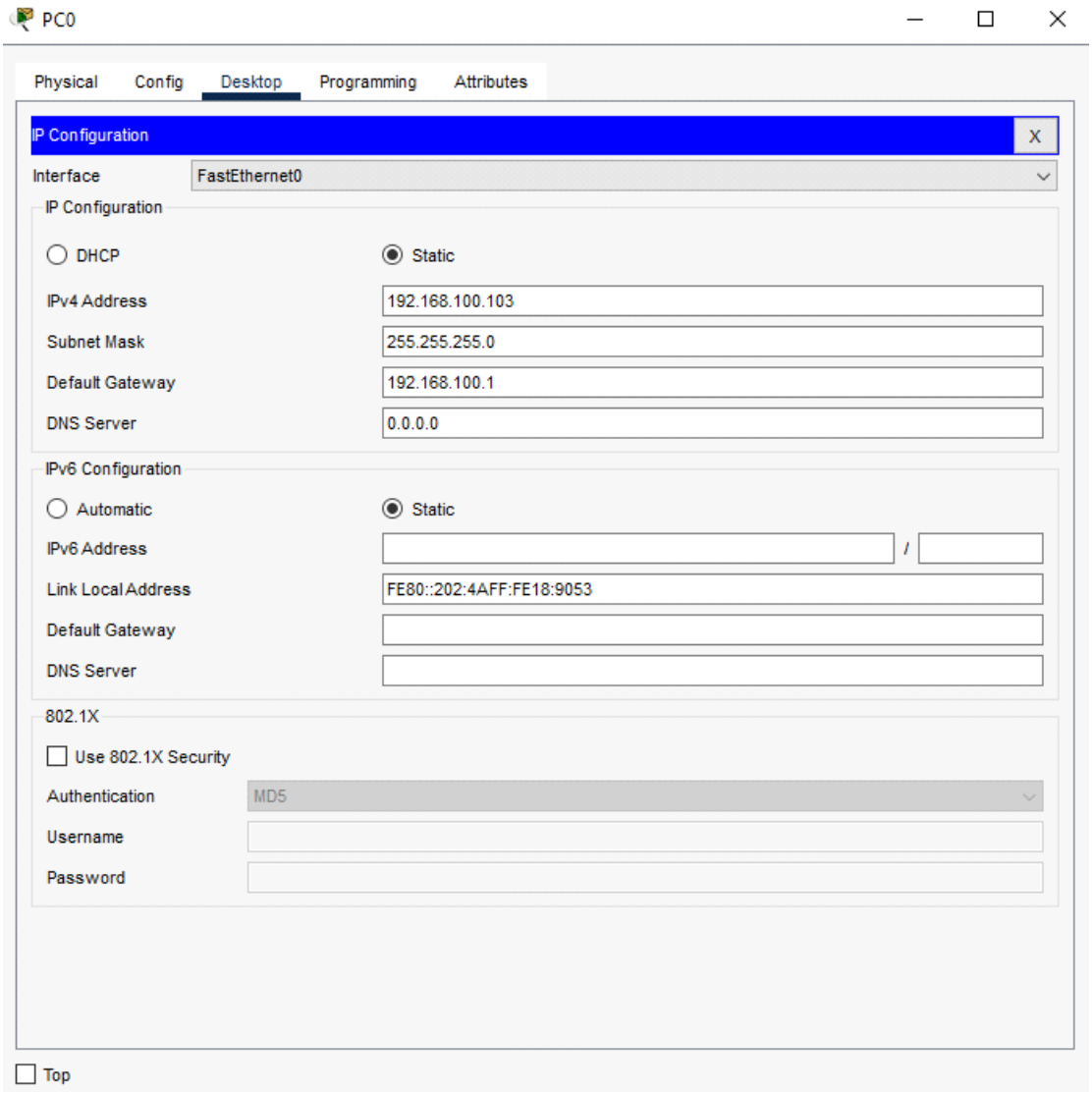

Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
GigabitEthernet0/0/0
GigabitEthernet0/0/1
GigabitEthernet0/0/2
GigabitEthernet0/0/0
Port Status
On
Bandwidth
1000 Mbps
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0060.705D.2401
IP Configuration
IPv4 Address
192.168.100.1
Subnet Mask
255.255.255.0
Tx Ring Limit
10
Equivalent IOS Commands
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up
ip address 192.168.100.1 255.255.255.0
Router(config-if)#ip address 192.168.100.1 255.255.255.0
Router(config-if)#
Top

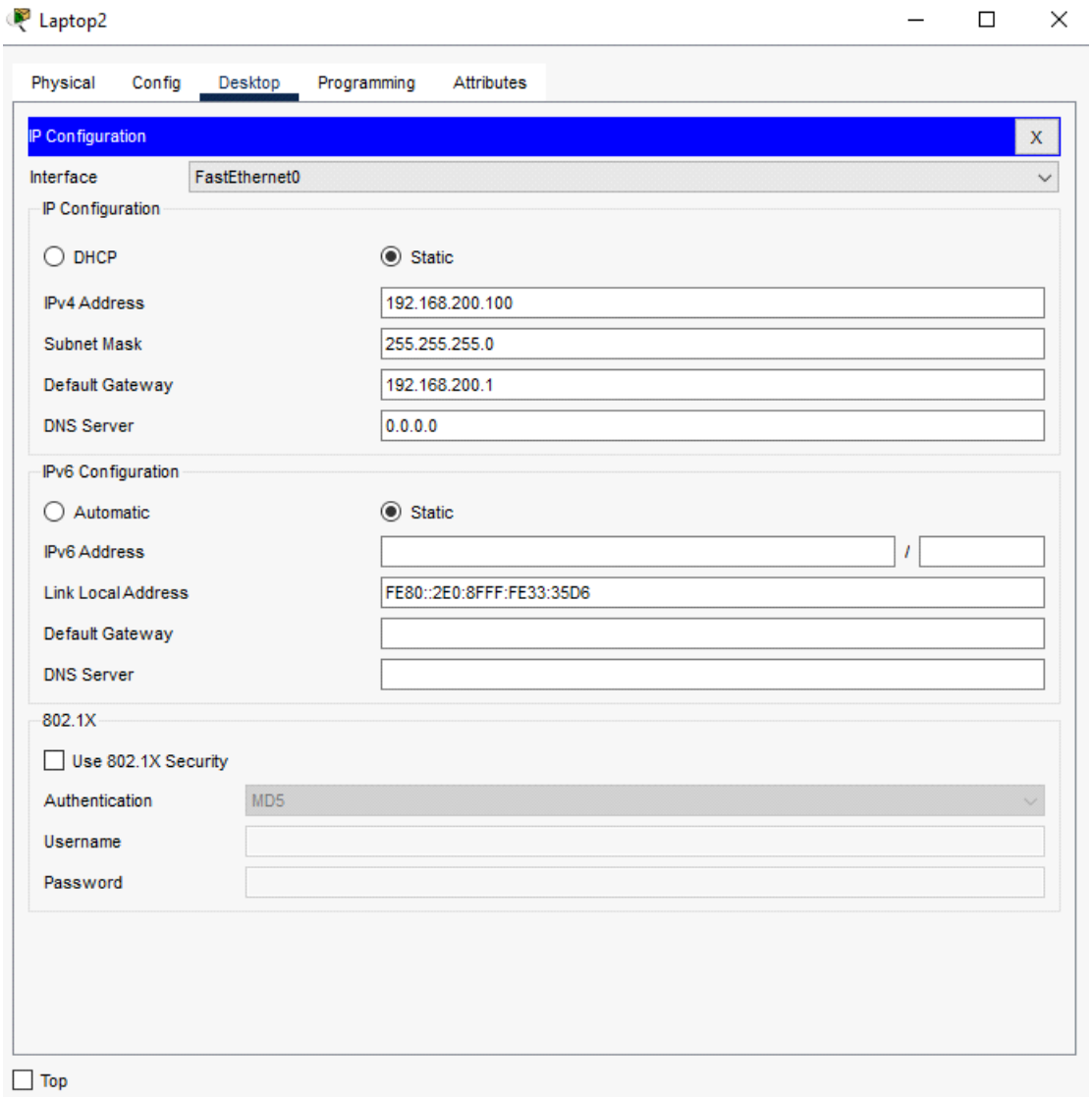


in seguito configuriamo come richiesto

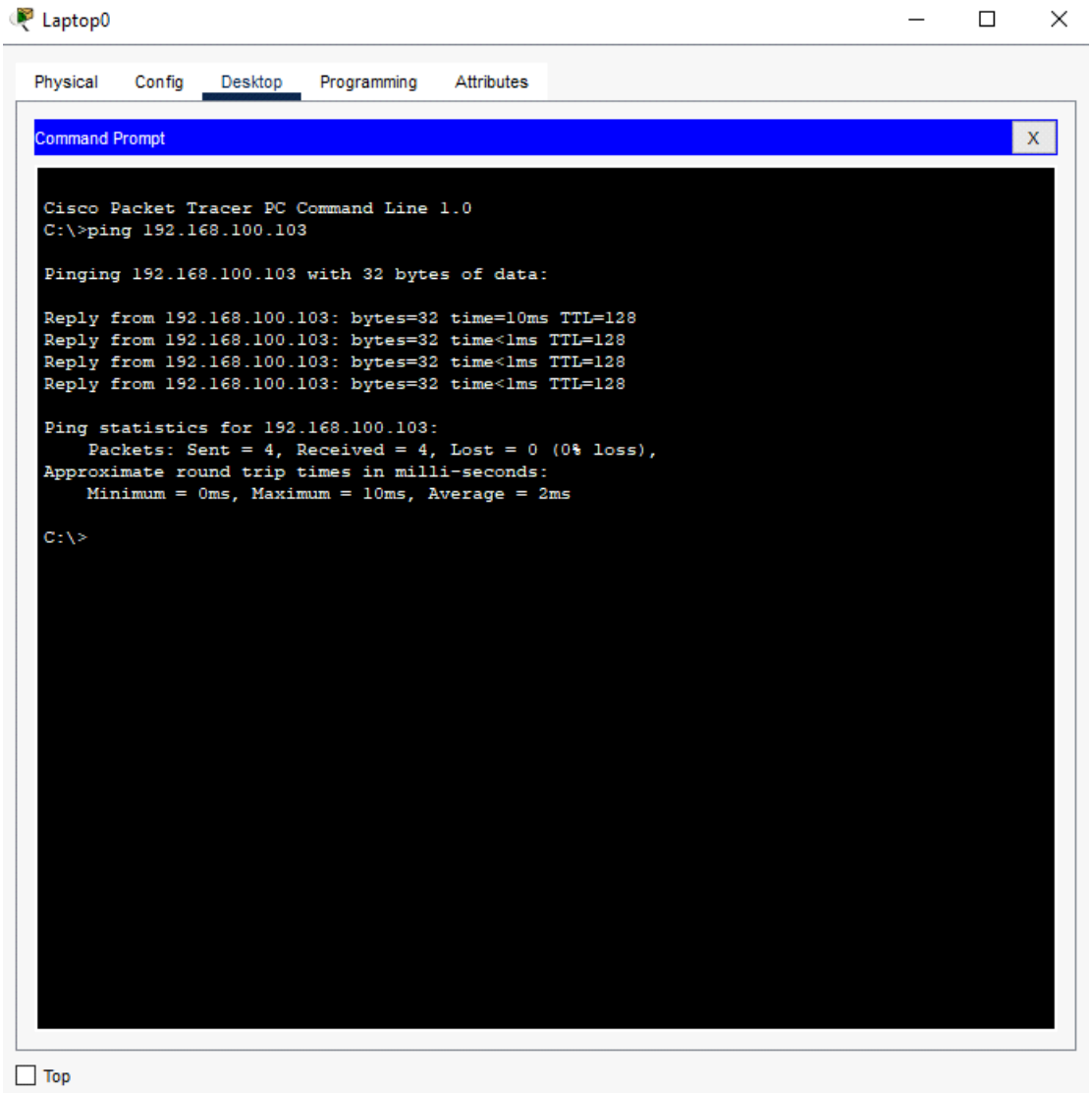
- il terminale *Laptop0* con l'indirizzo IP 192.168.100.100
- il terminale *Pc0* con l'indirizzo IP 192.168.100.103
- il terminale *Laptop2* all'interno della seconda sottorete con l'indirizzo IP 192.168.200.100

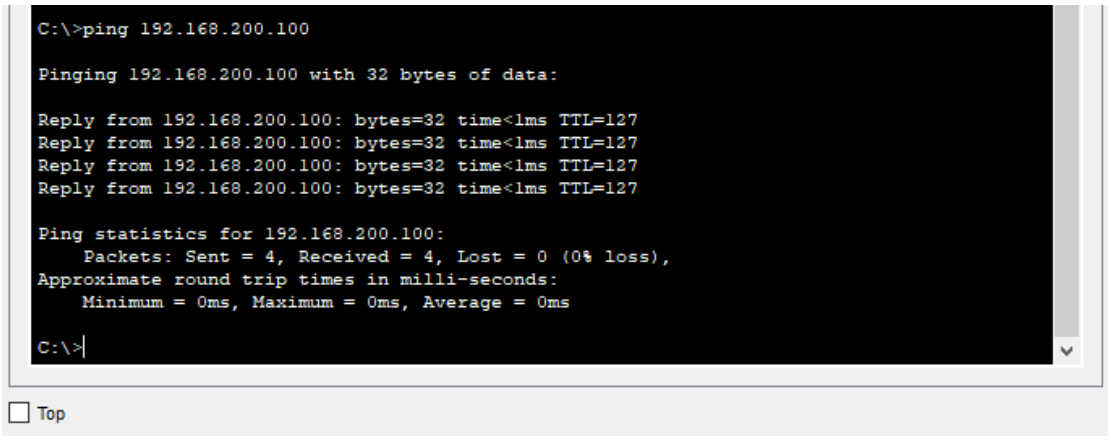

Laptop0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.100.100
Subnet Mask
255.255.255.0
Default Gateway
192.168.100.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::201:C7FF:FE01:1564
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top


PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.100.103
Subnet Mask
255.255.255.0
Default Gateway
192.168.100.1
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
FE80::202:4AFF:FE18:9053
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top



Ed infine eseguiamo il test di ping per verificare la corretta comunicazione tra il *Laptop0* e i restanti dispositivi


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=10ms 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 = 10ms, Average = 2ms
C:\>
Top


C:\>ping 192.168.200.100
Pinging 192.168.200.100 with 32 bytes of data:
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
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Ping statistics for 192.168.200.100:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top