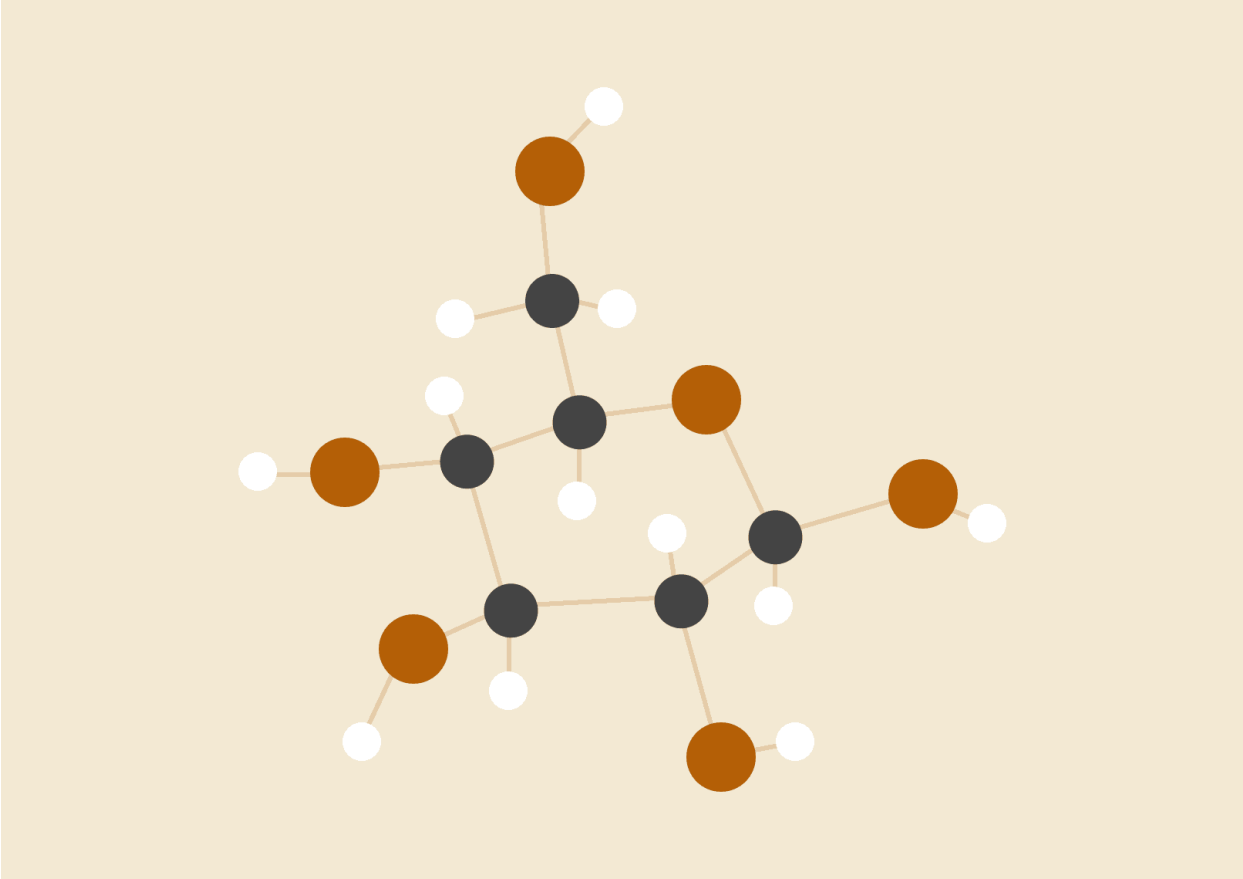
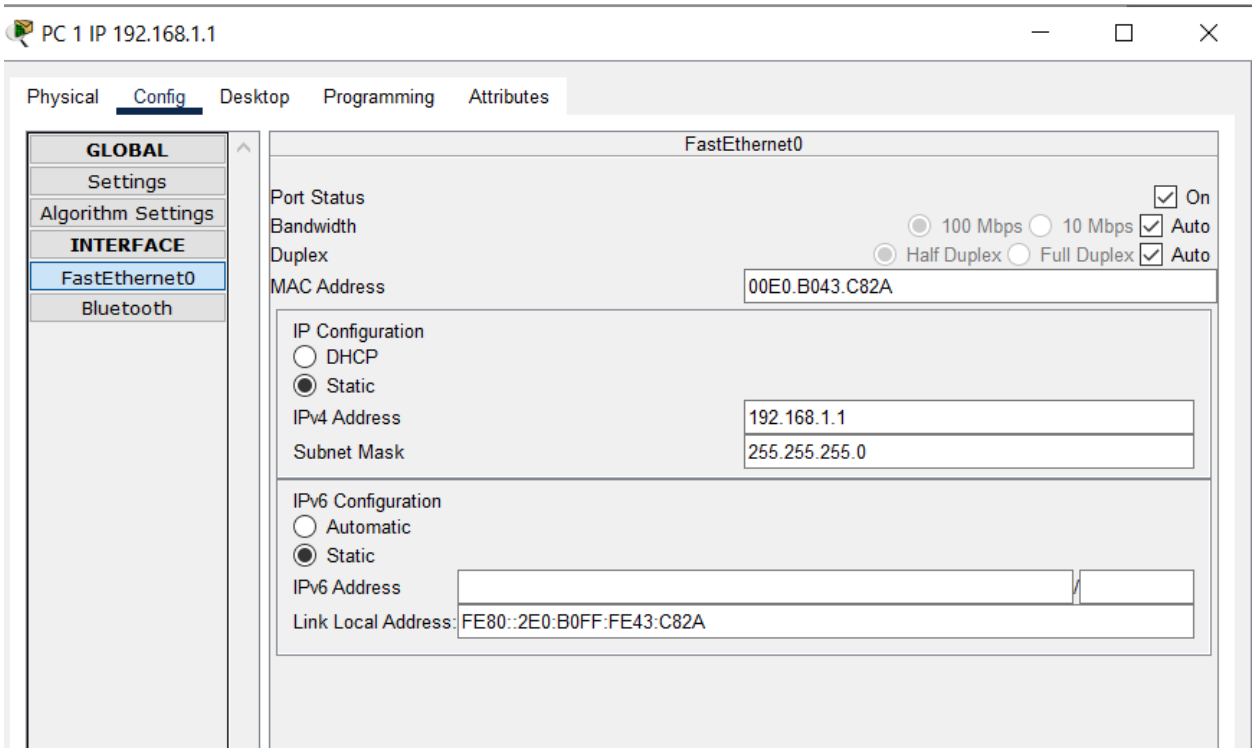
Cisco Progressive Packet Tracer

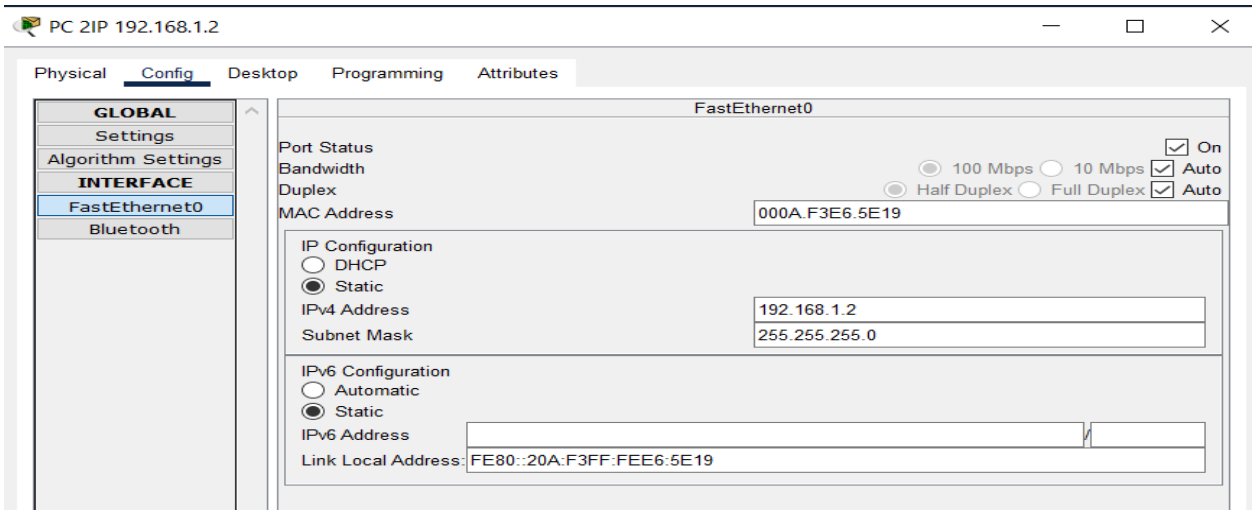


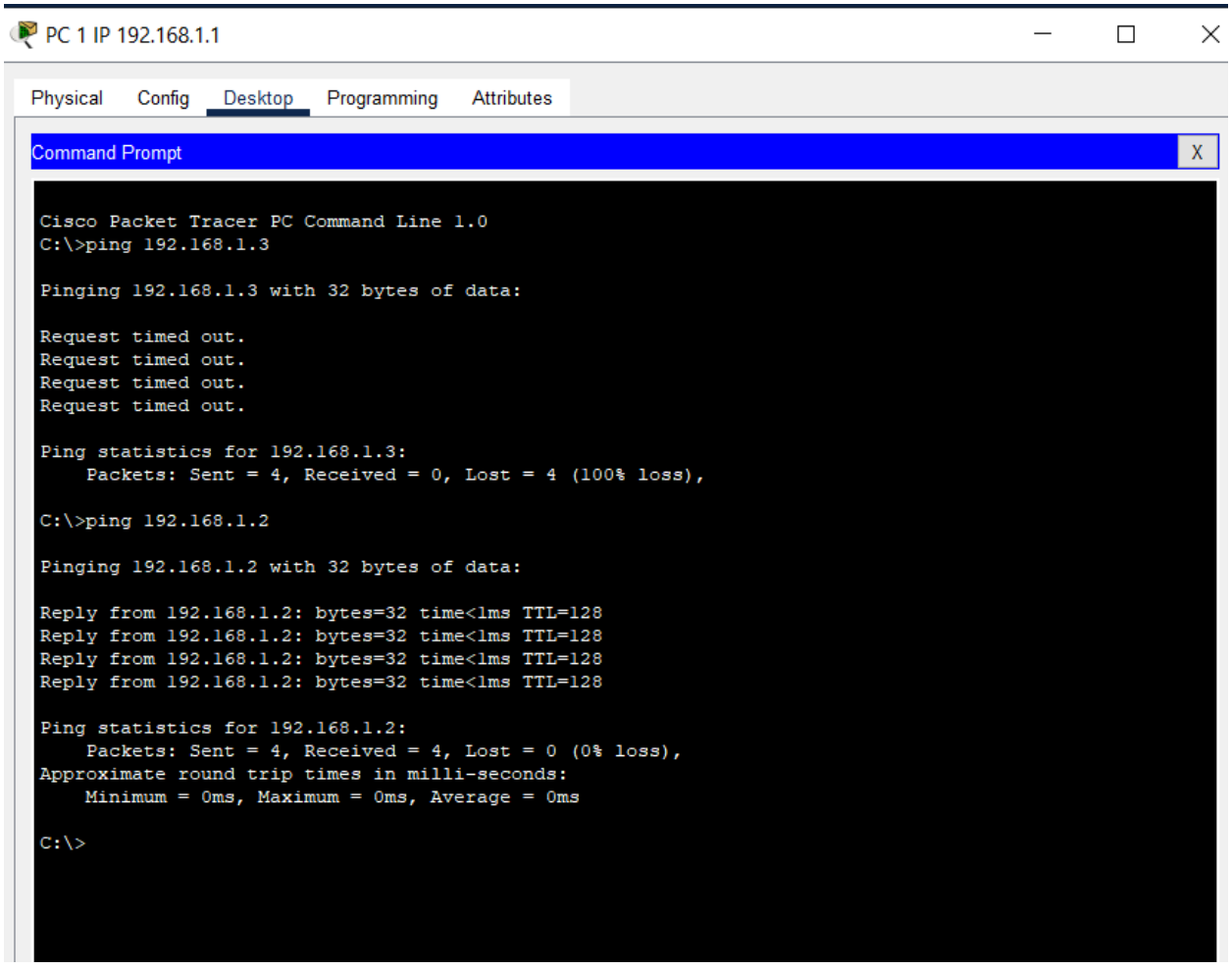
SALL Moustapha

basic

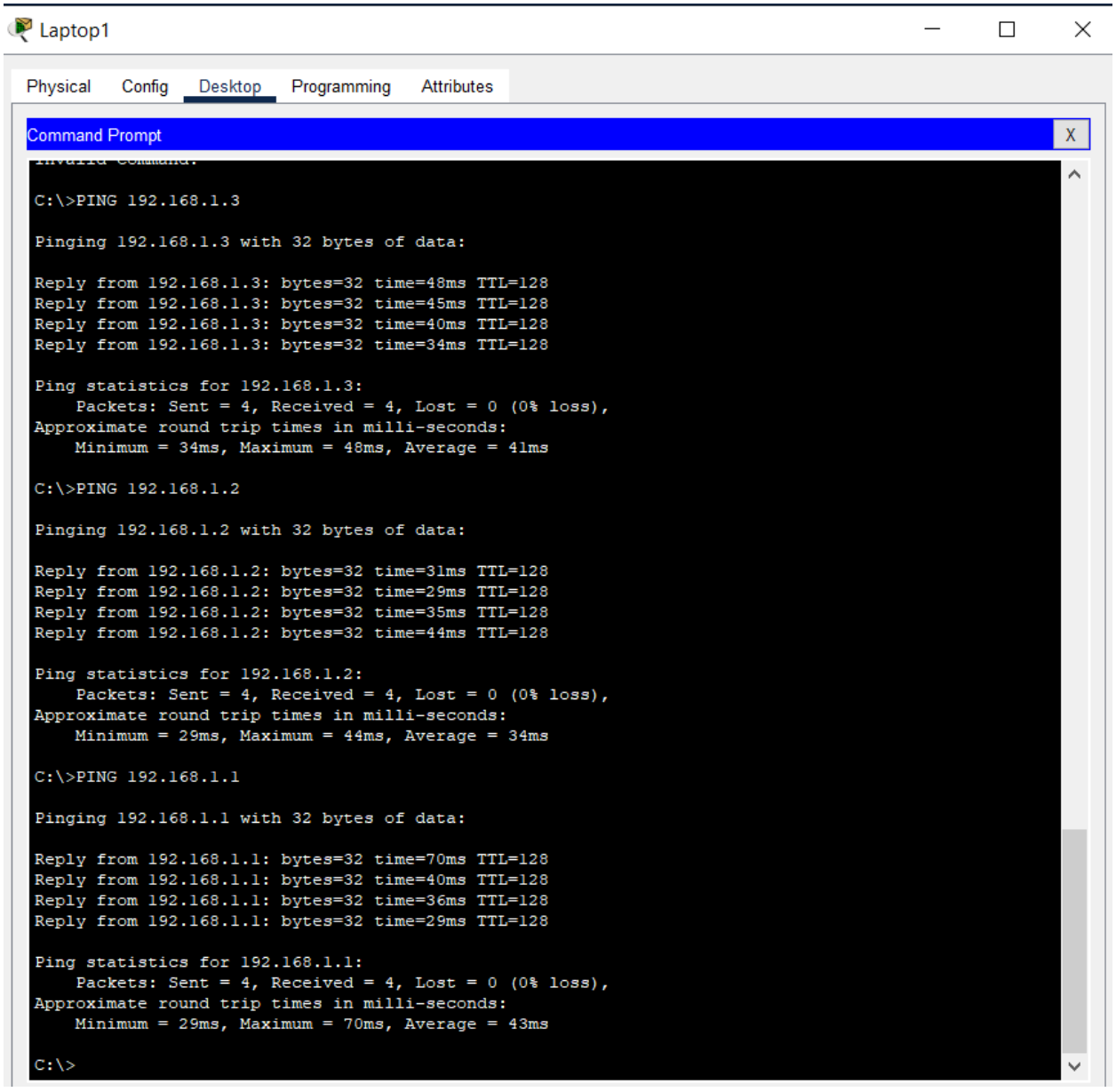
1. **Fast Ethernet 0/1** : Cela signifie que le port est situé sur l'interface Fast Ethernet 0 du périphérique. Le "0/1" indique donc que le port se trouve sur la première interface Fast Ethernet de l'appareil.
2. **Fast Ethernet 1/1** : De même, cela signifie que le port est situé sur l'interface Fast Ethernet 1 du périphérique, et "1/1" indique qu'il s'agit du premier port sur cette interface.



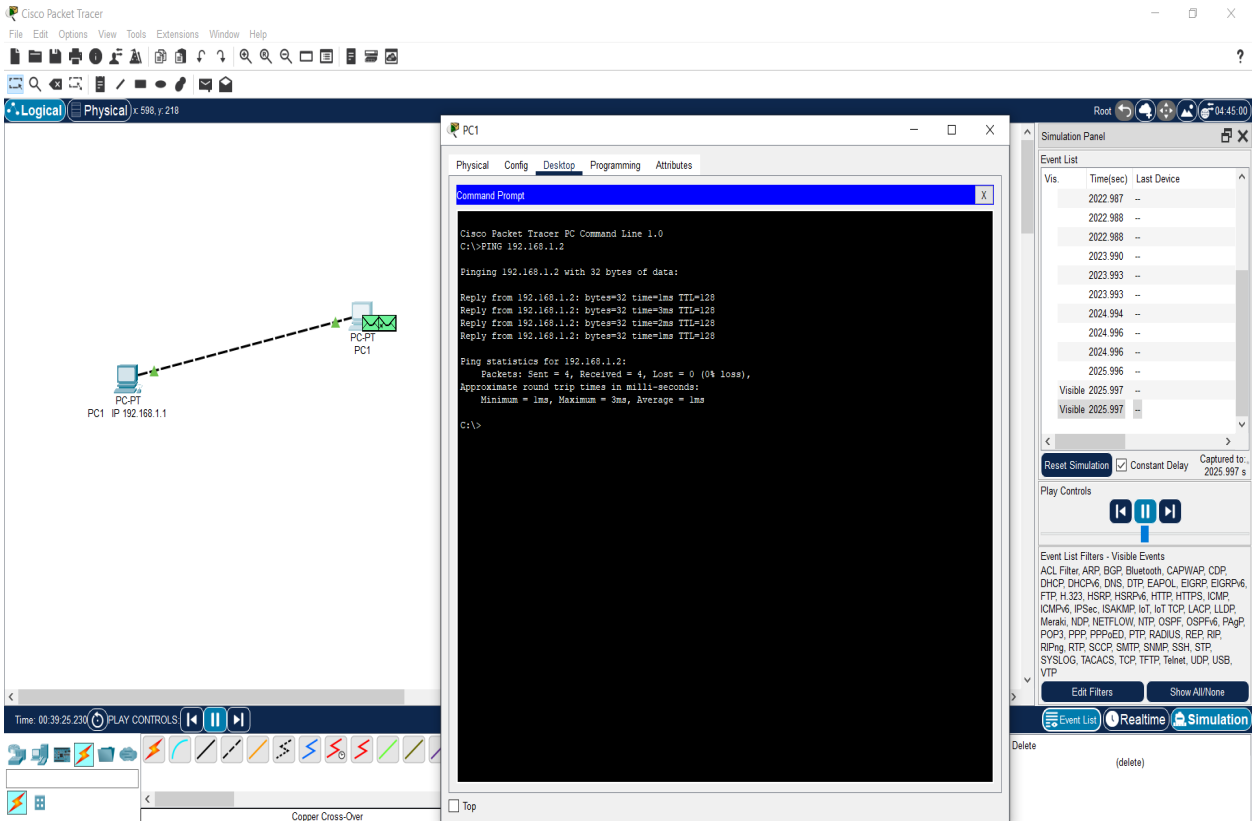

PC 2IP 192.168.1.2
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
FastEthernet0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
000A.F3E6.5E19
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.2
Subnet Mask
255.255.255.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::20A:F3FF:FEE6:5E19


PC 1 IP 192.168.1.1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3
Pinging 192.168.1.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.1.3:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>

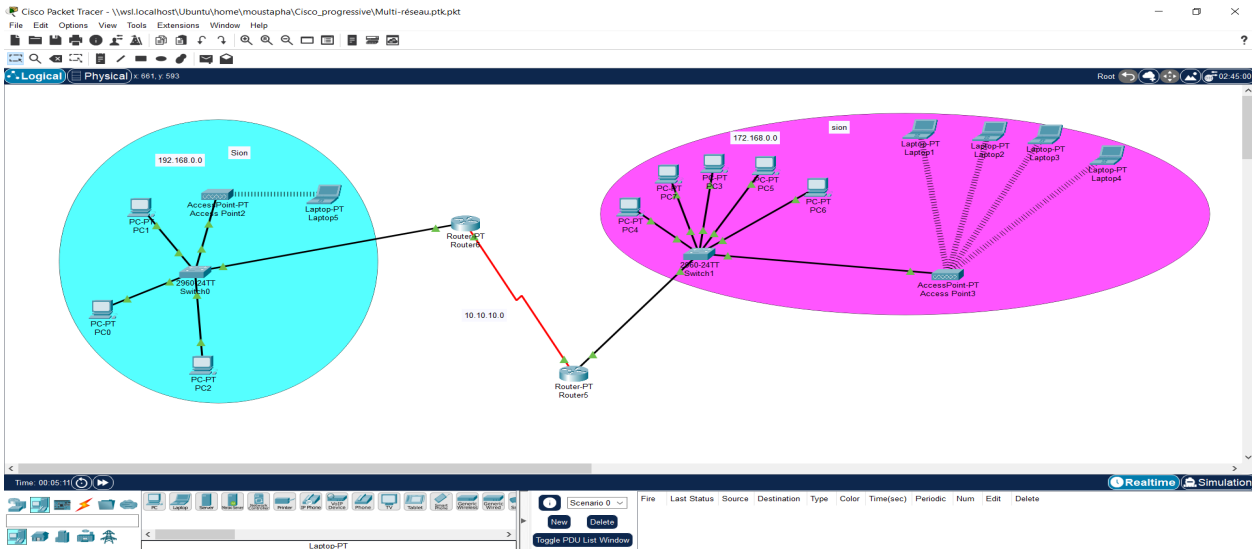
Switch


Laptop1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
C:\>PING 192.168.1.3
Pinging 192.168.1.3 with 32 bytes of data:
Reply from 192.168.1.3: bytes=32 time=48ms TTL=128
Reply from 192.168.1.3: bytes=32 time=45ms TTL=128
Reply from 192.168.1.3: bytes=32 time=40ms TTL=128
Reply from 192.168.1.3: bytes=32 time=34ms TTL=128
Ping statistics for 192.168.1.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 34ms, Maximum = 48ms, Average = 41ms
C:\>PING 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time=31ms TTL=128
Reply from 192.168.1.2: bytes=32 time=29ms TTL=128
Reply from 192.168.1.2: bytes=32 time=35ms TTL=128
Reply from 192.168.1.2: bytes=32 time=44ms TTL=128
Ping statistics for 192.168.1.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 29ms, Maximum = 44ms, Average = 34ms
C:\>PING 192.168.1.1
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=70ms TTL=128
Reply from 192.168.1.1: bytes=32 time=40ms TTL=128
Reply from 192.168.1.1: bytes=32 time=36ms TTL=128
Reply from 192.168.1.1: bytes=32 time=29ms TTL=128
Ping statistics for 192.168.1.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 29ms, Maximum = 70ms, Average = 43ms
C:\>

Idoine

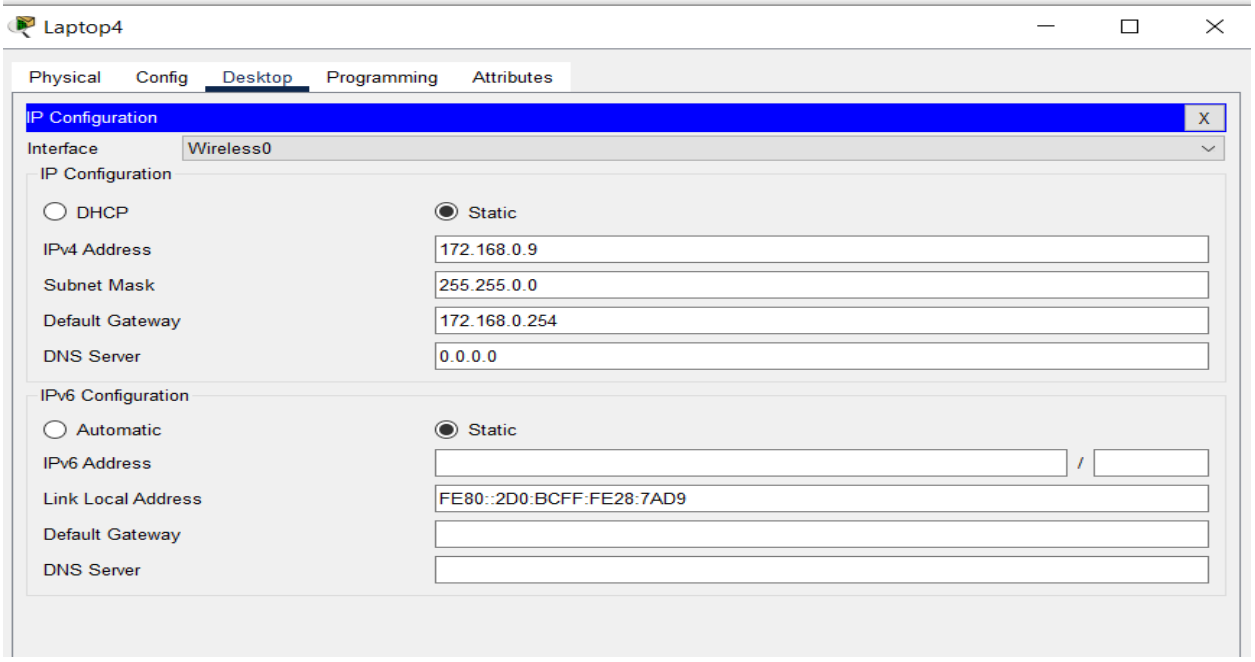


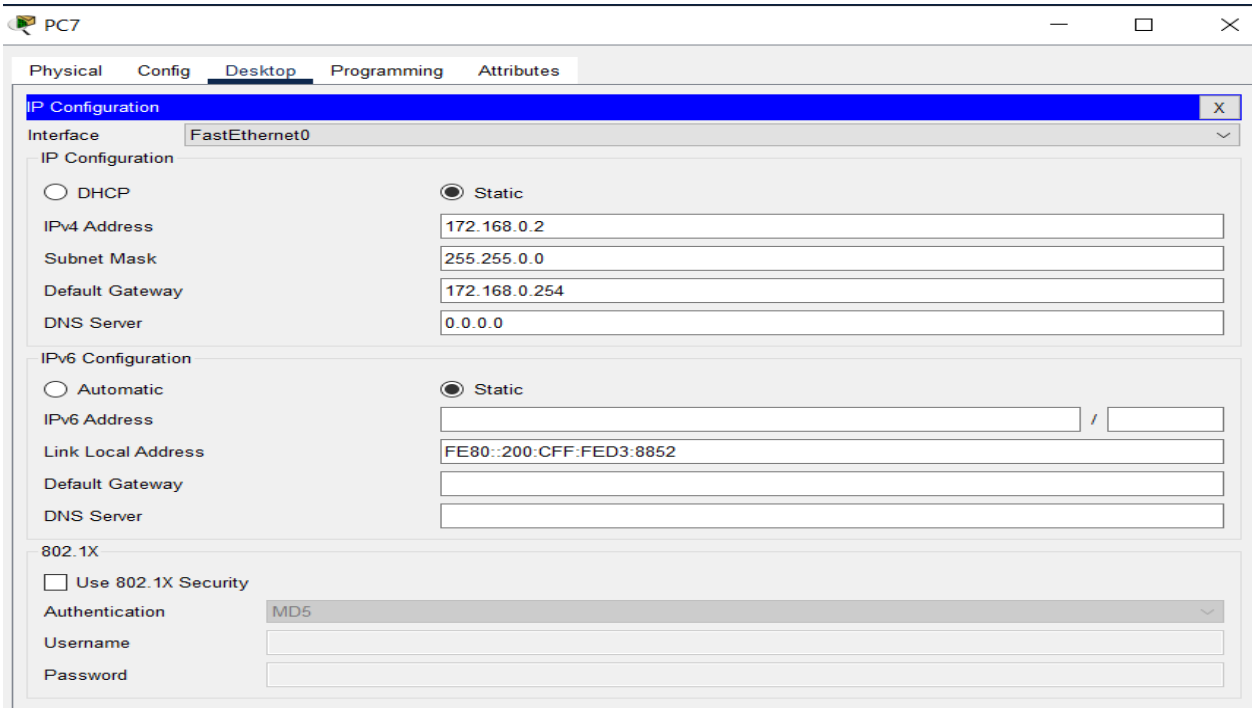
Multi-réseau

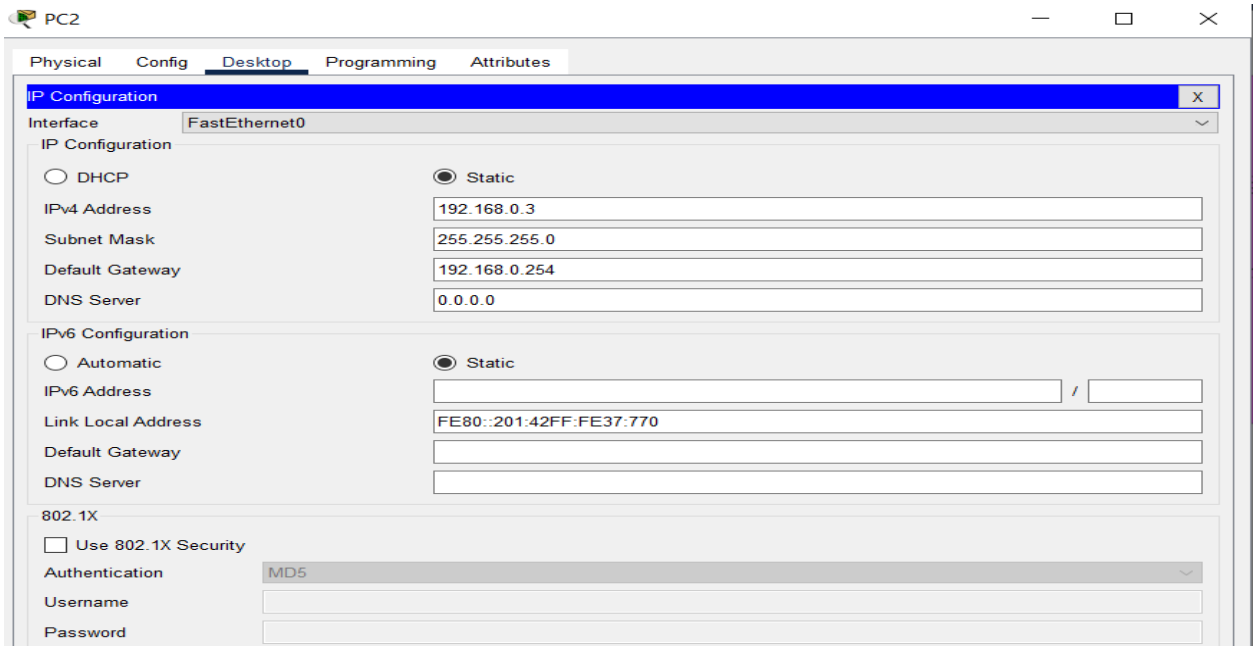


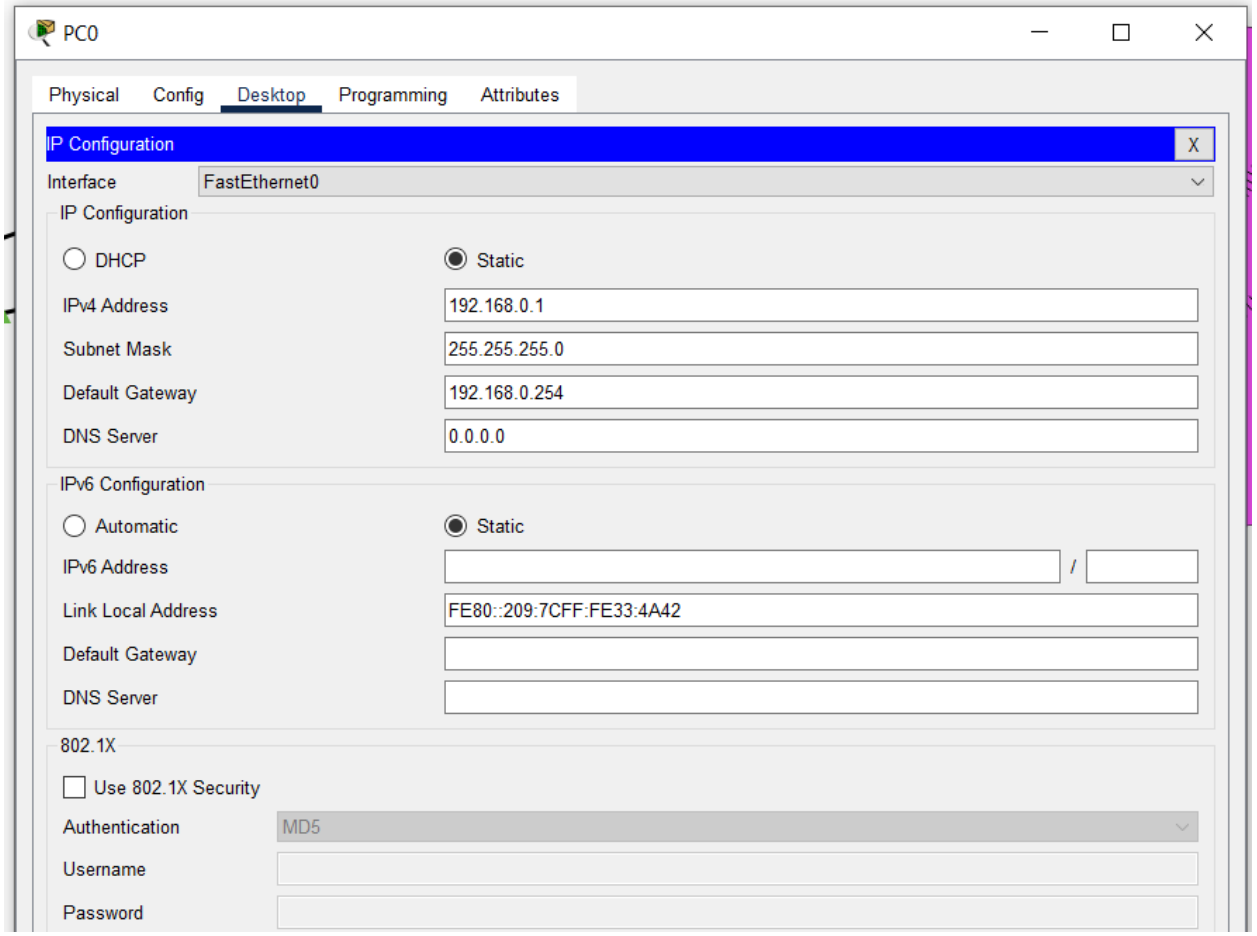
Configuration du réseau avec les adresses IP

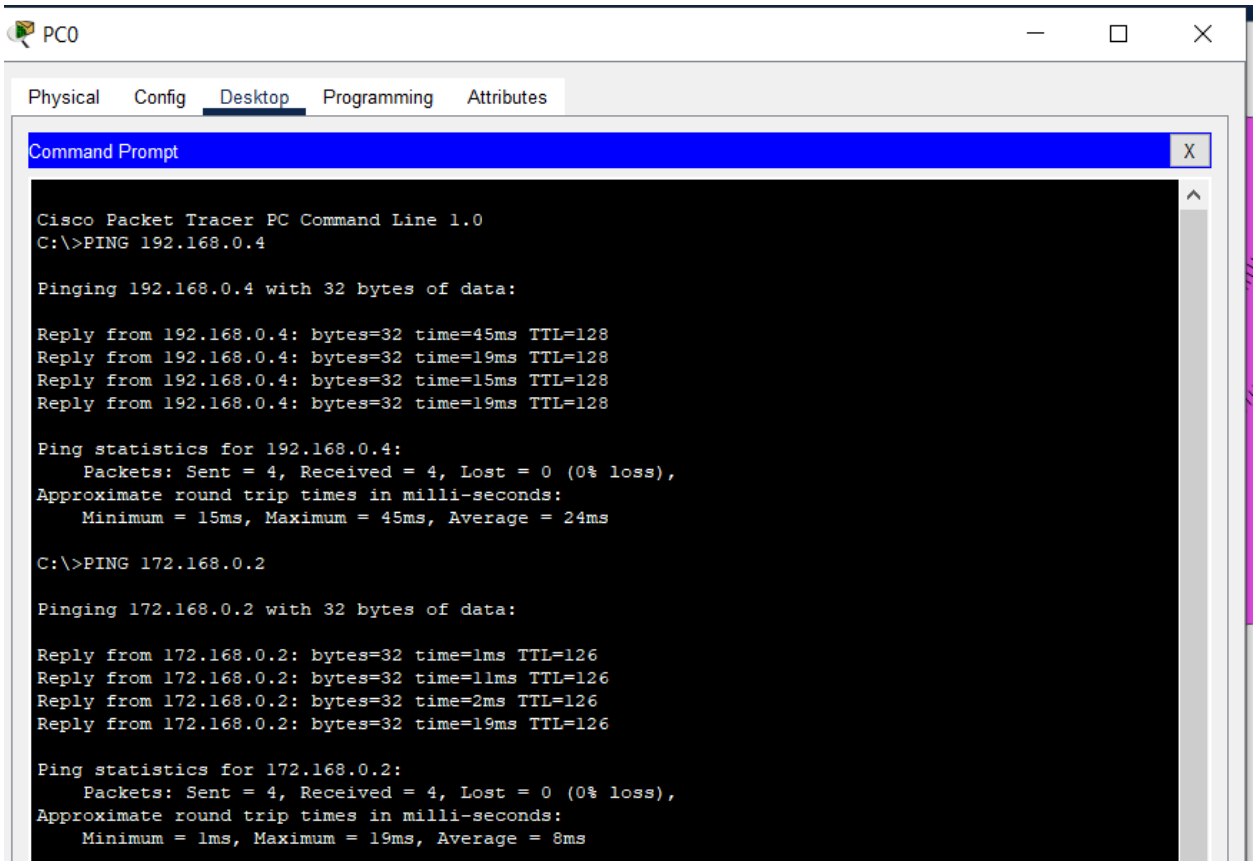
nous allons mettre quelques captures d'écran des IP pour montrer la configuration du réseau et pinger pour vérifier que le réseau est bien configuré





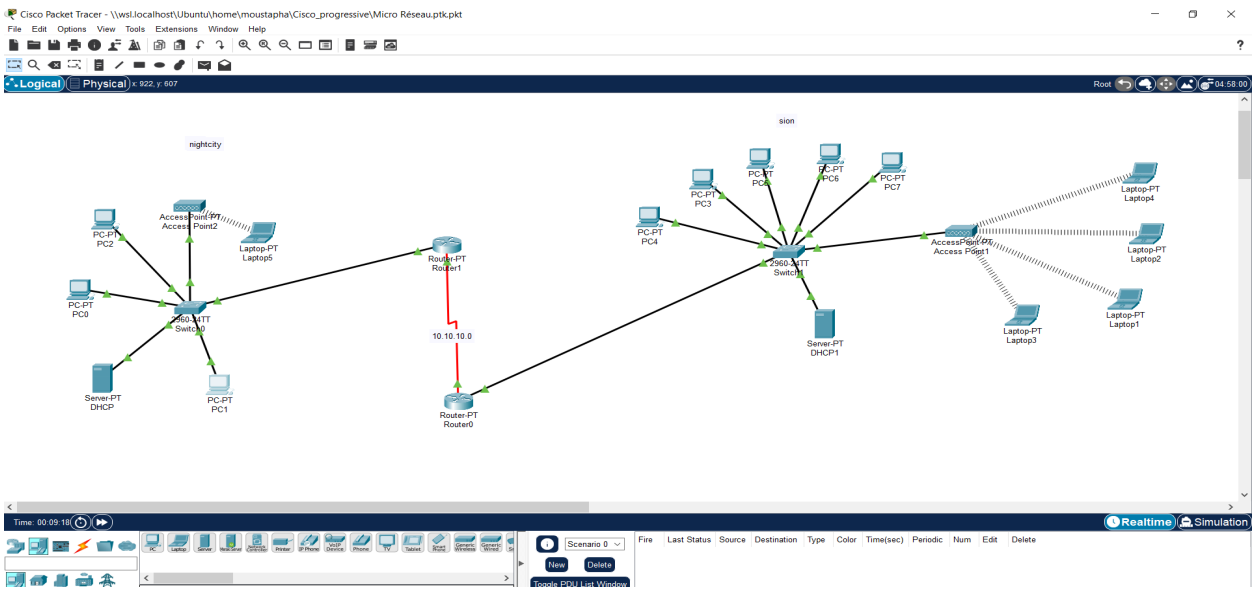

PC2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.0.3
Subnet Mask
255.255.255.0
Default Gateway
192.168.0.254
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::201:42FF:FE37:770
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password

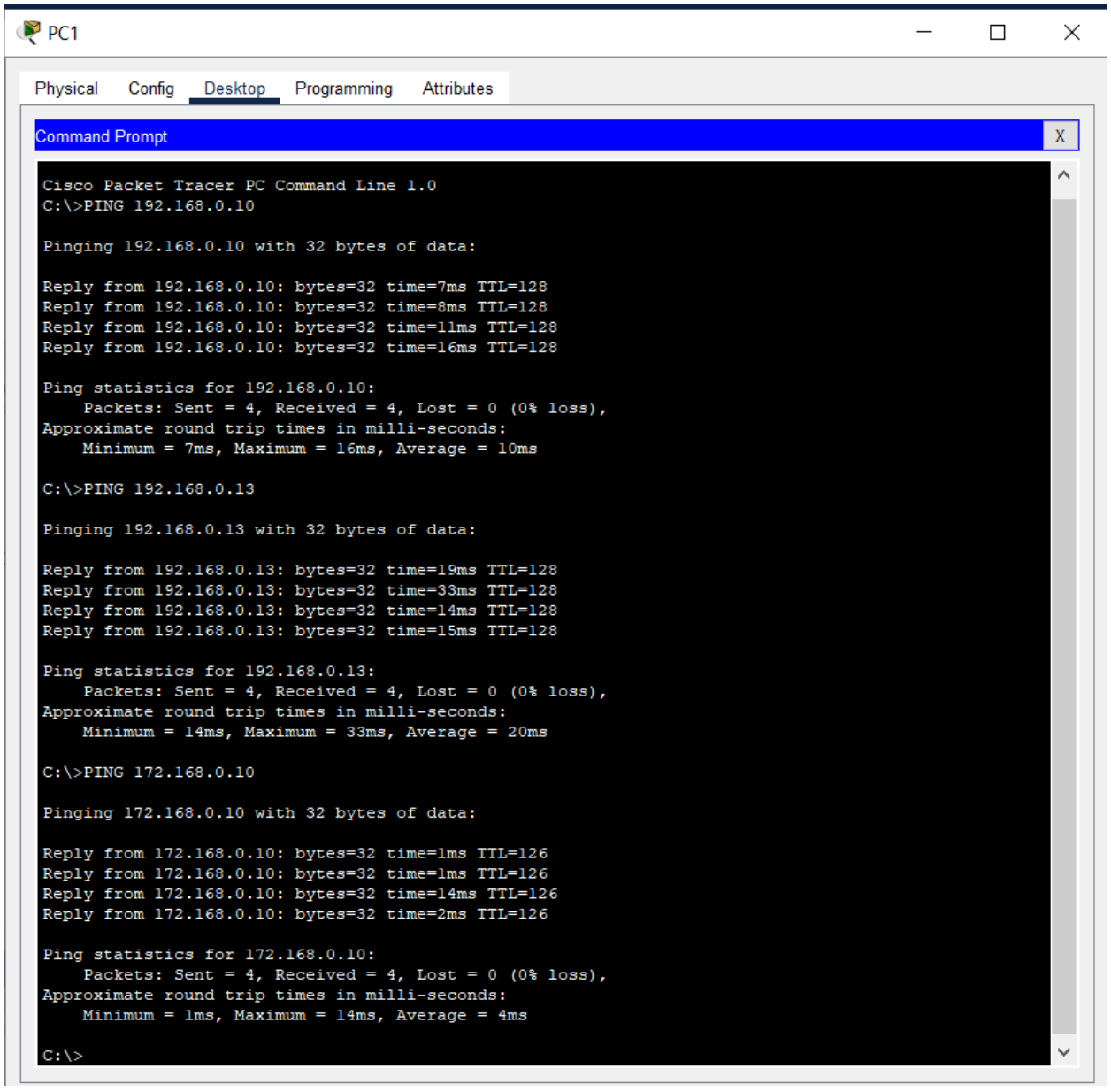

PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.0.1
Subnet Mask
255.255.255.0
Default Gateway
192.168.0.254
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::209:7CFF:FE33:4A42
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password



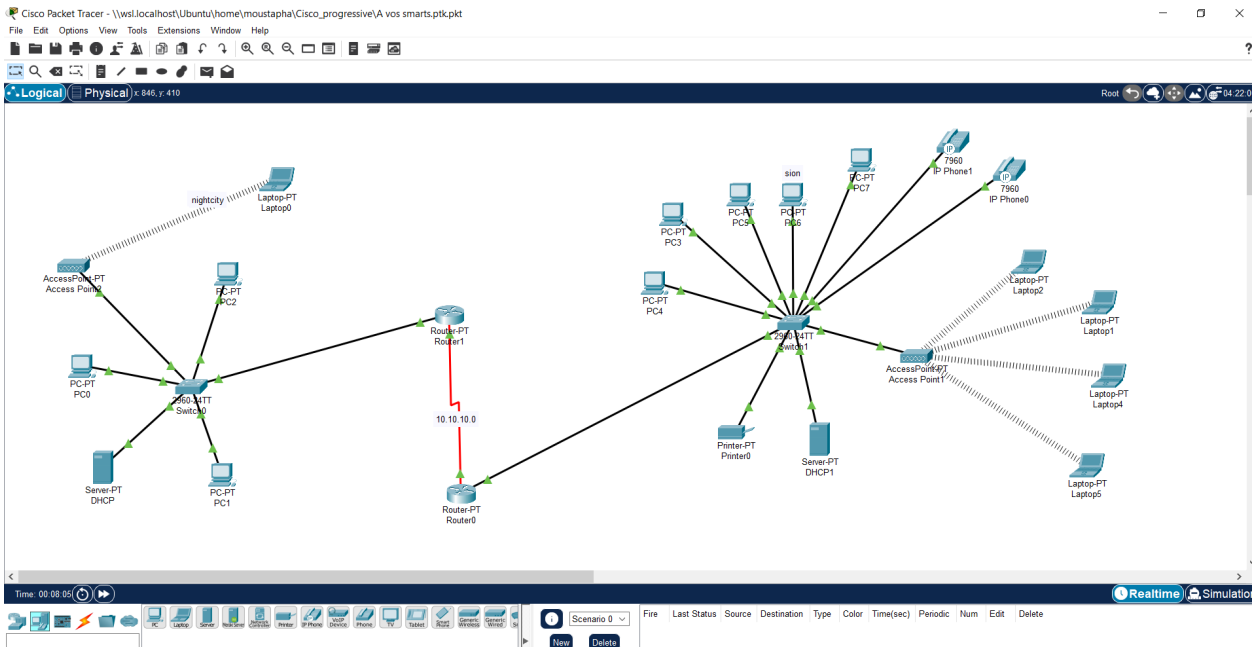
Micro Réseau

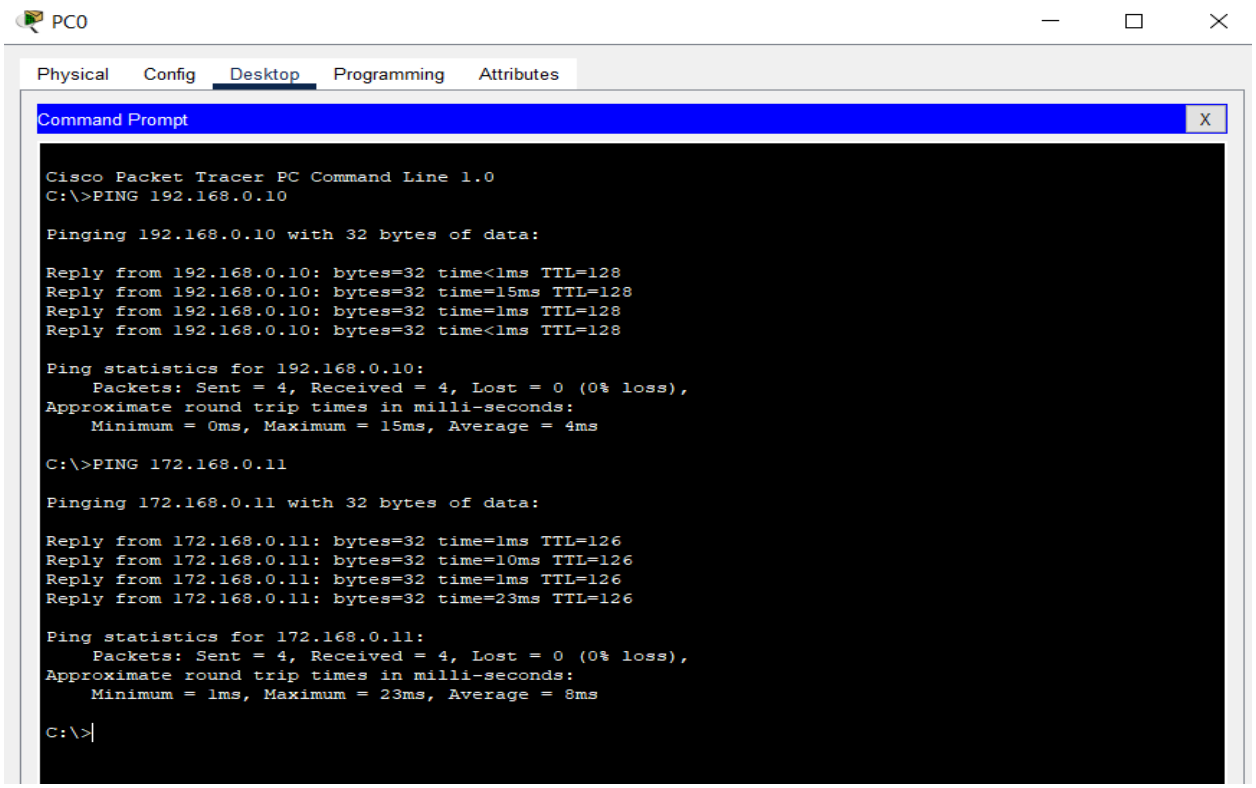
Attribution d’adresses IP automatique par le serveur DHCP




PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>PING 192.168.0.10
Pinging 192.168.0.10 with 32 bytes of data:
Reply from 192.168.0.10: bytes=32 time=7ms TTL=128
Reply from 192.168.0.10: bytes=32 time=8ms TTL=128
Reply from 192.168.0.10: bytes=32 time=11ms TTL=128
Reply from 192.168.0.10: bytes=32 time=16ms TTL=128
Ping statistics for 192.168.0.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 7ms, Maximum = 16ms, Average = 10ms
C:\>PING 192.168.0.13
Pinging 192.168.0.13 with 32 bytes of data:
Reply from 192.168.0.13: bytes=32 time=19ms TTL=128
Reply from 192.168.0.13: bytes=32 time=33ms TTL=128
Reply from 192.168.0.13: bytes=32 time=14ms TTL=128
Reply from 192.168.0.13: bytes=32 time=15ms TTL=128
Ping statistics for 192.168.0.13:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 14ms, Maximum = 33ms, Average = 20ms
C:\>PING 172.168.0.10
Pinging 172.168.0.10 with 32 bytes of data:
Reply from 172.168.0.10: bytes=32 time=1ms TTL=126
Reply from 172.168.0.10: bytes=32 time=1ms TTL=126
Reply from 172.168.0.10: bytes=32 time=14ms TTL=126
Reply from 172.168.0.10: bytes=32 time=2ms TTL=126
Ping statistics for 172.168.0.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 14ms, Average = 4ms
C:\>

A vos smarts


Cisco Packet Tracer - \\wsl.localhost\Ubuntu\home\moustapha\Cisco_progressive\A vos smarts.pkt
File Edit Options View Tools Extensions Window Help
Logical Physical
Root
nightcity
Laptop-PT Laptop0
Access Point0
PC-PT PC2
PC-PT PC0
2960-24TT Switch0
Server-PT DHCP
PC-PT PC1
Router-PT Router1
10.10.10.0
Router-PT Router0
sion
PC-PT PC3
PC-PT PC4
PC-PT PC5
PC-PT PC6
PC-PT PC7
IP 7960 IP Phone1
IP 7960 IP Phone0
2960-24TT Switch1
Printer-PT Printer0
Server-PT DHCP1
Access Point1
Laptop-PT Laptop2
Laptop-PT Laptop1
Laptop-PT Laptop4
Laptop-PT Laptop5
Time: 00:08:05
Realtime
Simulation
Scenario 0
New
Delete
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>PING 192.168.0.10
Pinging 192.168.0.10 with 32 bytes of data:
Reply from 192.168.0.10: bytes=32 time<1ms TTL=128
Reply from 192.168.0.10: bytes=32 time=15ms TTL=128
Reply from 192.168.0.10: bytes=32 time=1ms TTL=128
Reply from 192.168.0.10: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.0.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 15ms, Average = 4ms
C:\>PING 172.168.0.11
Pinging 172.168.0.11 with 32 bytes of data:
Reply from 172.168.0.11: bytes=32 time=1ms TTL=126
Reply from 172.168.0.11: bytes=32 time=10ms TTL=126
Reply from 172.168.0.11: bytes=32 time=1ms TTL=126
Reply from 172.168.0.11: bytes=32 time=23ms TTL=126
Ping statistics for 172.168.0.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 23ms, Average = 8ms
C:\>

Architecture physique