Tecnológico de Estudios Superiores de Ecatepec

División de Ingeniería en Sistemas Computacionales

Academia en Ciencias de la Ingeniería

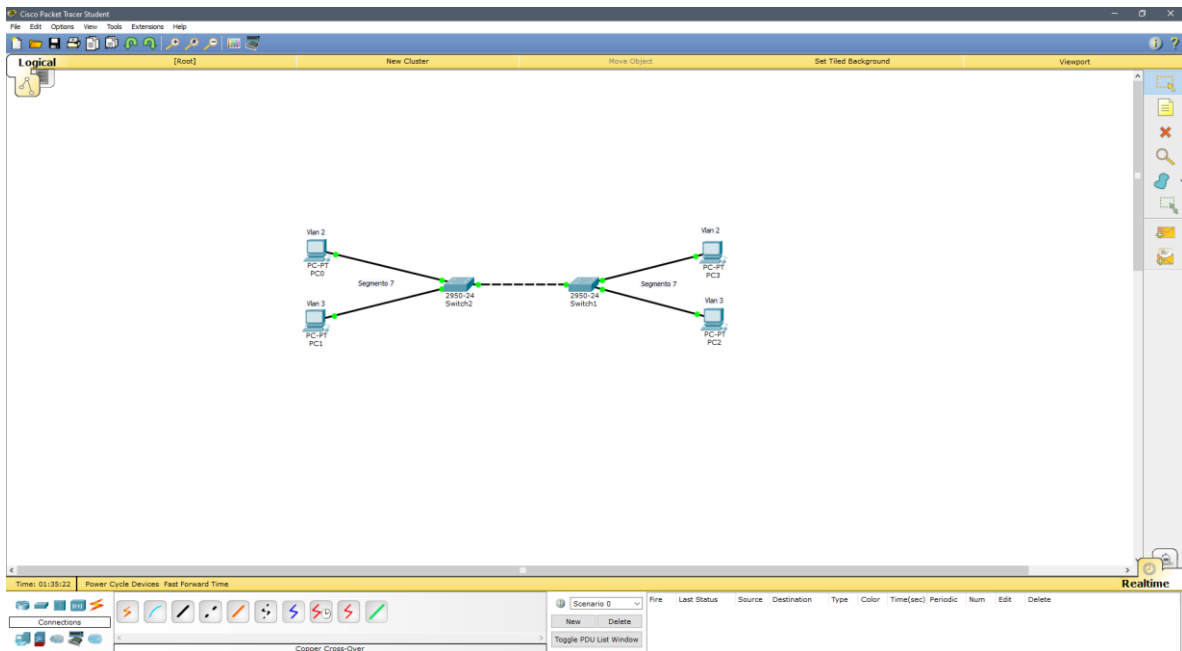**Materia**

Administración de Redes

Grupo 5751

Alumno

Campero Granados Luis Daniel

Profesor

Gutiérrez Villegas Javier Norberto

Practica 3

PC1 — □ ✕

Physical | Config | Desktop | Custom Interface

| GLOBAL |
| Settings |
| Algorithm Settings |
| INTERFACE |
| FastEthernet0 |

FastEthernet0

Port Status ☑ On
Bandwidth ◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex ○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address 0090.2B6A.A206

IP Configuration
○ DHCP
◉ Static
IP Address 192.168.1.58
Subnet Mask 255.255.255.248
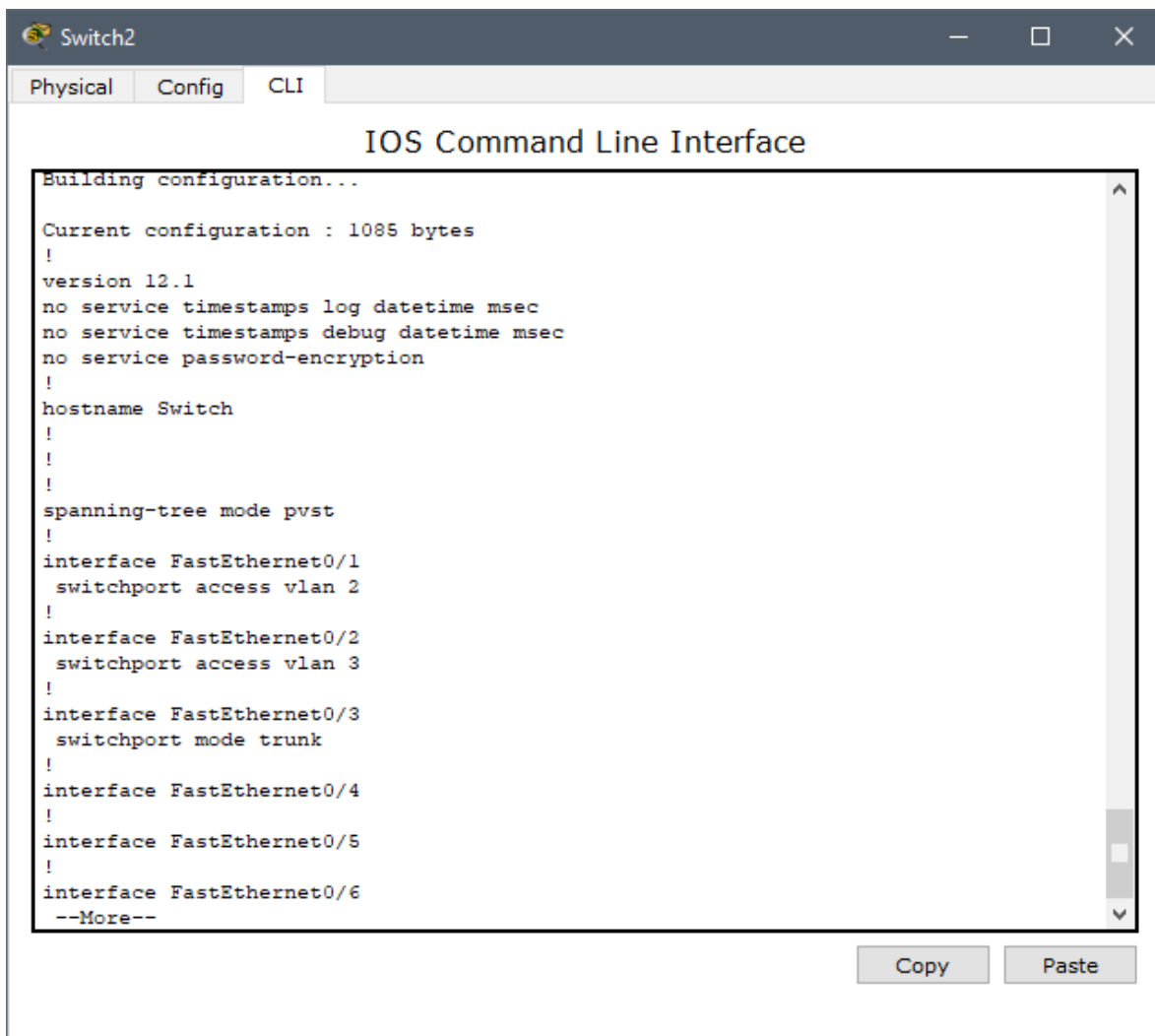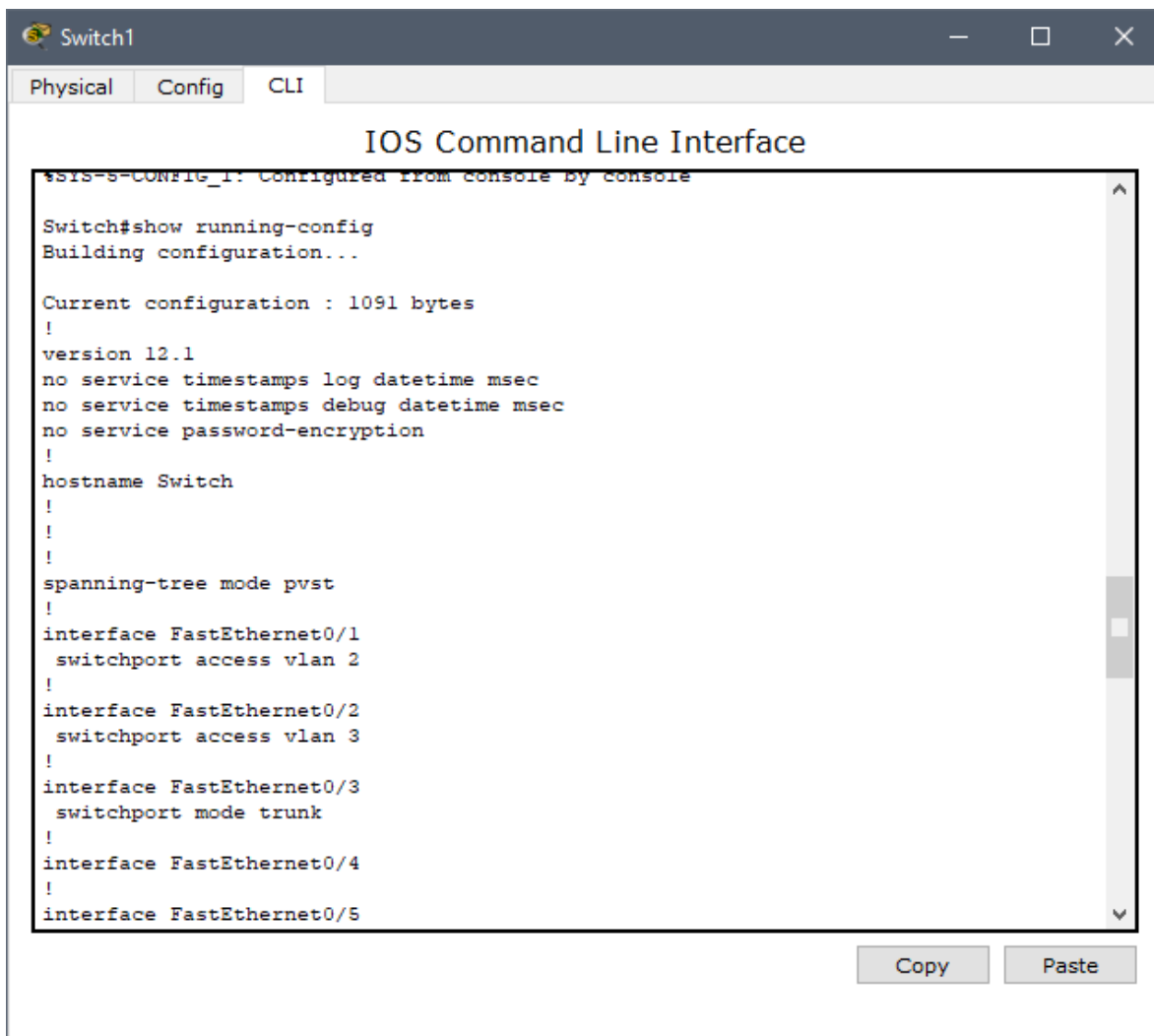
IPv6 Configuration
○ DHCP
○ Auto Config
◉ Static
IPv6 Address /
Link Local Address: FE80::290:2BFF:FE6A:A206

PC3

Physical | Config | Desktop | Custom Interface

GLOBAL
Settings
Algorithm Settings

INTERFACE
FastEthernet0

FastEthernet0

Port Status	☑ On
Bandwidth	◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex	○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address	00E0.8FEB.82A7

IP Configuration
○ DHCP
◉ Static
IP Address: 192.168.1.59
Subnet Mask: 255.255.255.248

IPv6 Configuration
○ DHCP
○ Auto Config
◉ Static
IPv6 Address: _____ /
Link Local Address: FE80::2E0:8FFF:FEEB:82A7

PC2

Physical | Config | Desktop | Custom Interface

GLOBAL
Settings
Algorithm Settings

INTERFACE
FastEthernet0

FastEthernet0

Port Status	☑ On
Bandwidth	◉ 100 Mbps ○ 10 Mbps ☑ Auto
Duplex	○ Half Duplex ◉ Full Duplex ☑ Auto
MAC Address	0060.2F2A.B9AD

IP Configuration
○ DHCP
◉ Static
IP Address: 192.168.1.60
Subnet Mask: 255.255.255.248

IPv6 Configuration
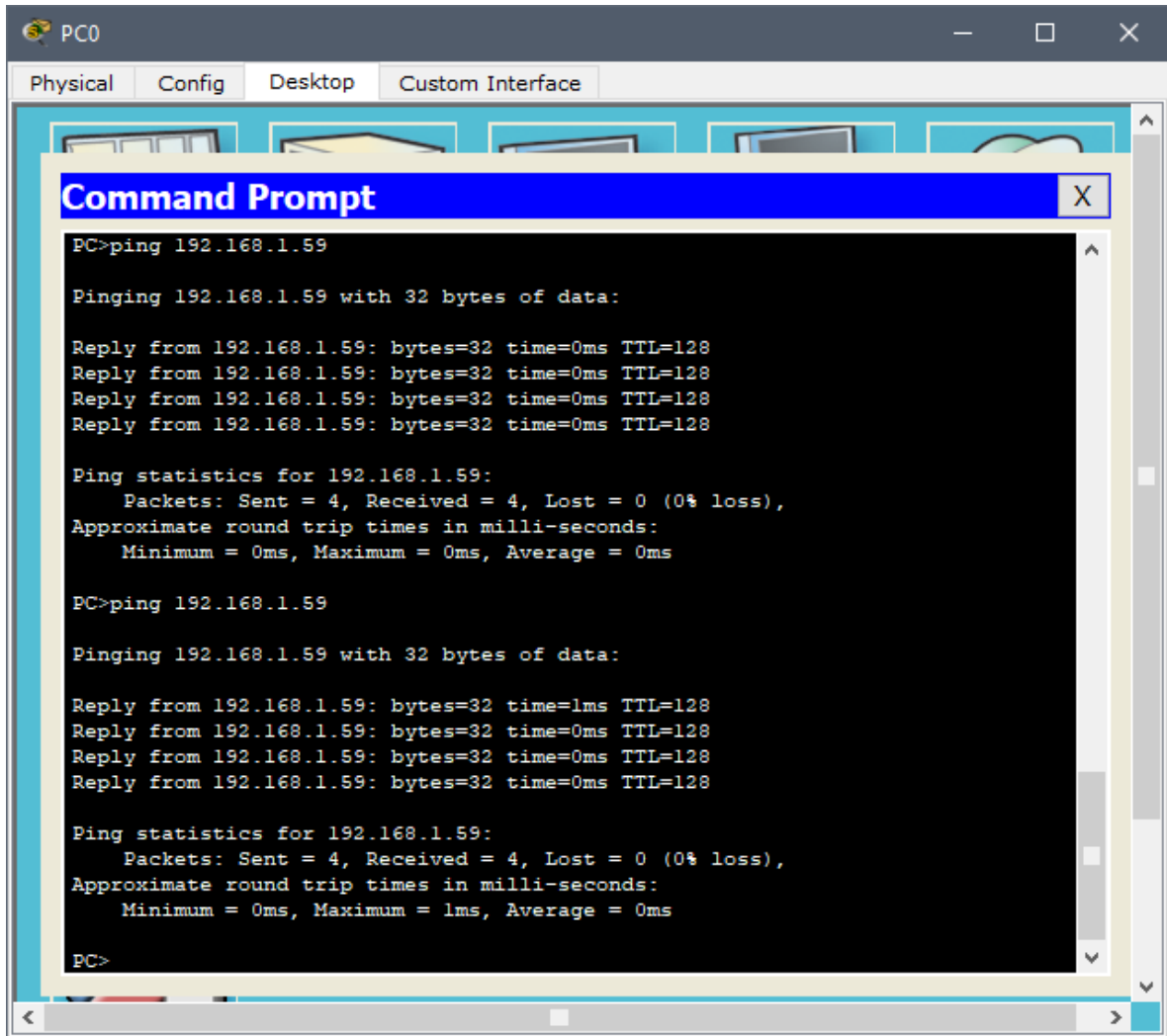○ DHCP
○ Auto Config
◉ Static
IPv6 Address: _____ /
Link Local Address: FE80::260:2FFF:FE2A:B9AD

Configuración de Switch

```
Switch2                                          —    □    ✕

 Physical    Config    CLI

                  IOS Command Line Interface
 Building configuration...

 Current configuration : 1085 bytes
 !
 version 12.1
 no service timestamps log datetime msec
 no service timestamps debug datetime msec
 no service password-encryption
 !
 hostname Switch
 !
 !
 !
 spanning-tree mode pvst
 !
 interface FastEthernet0/1
  switchport access vlan 2
 !
 interface FastEthernet0/2
  switchport access vlan 3
 !
 interface FastEthernet0/3
  switchport mode trunk
 !
 interface FastEthernet0/4
 !
 interface FastEthernet0/5
 !
 interface FastEthernet0/6
  --More--

                                          Copy        Paste
```

Switch1

Physical   Config   CLI

IOS Command Line Interface

```
%SYS-5-CONFIG_I: Configured from console by console

Switch#show running-config
Building configuration...

Current configuration : 1091 bytes
!
version 12.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Switch
!
!
!
spanning-tree mode pvst
!
interface FastEthernet0/1
 switchport access vlan 2
!
interface FastEthernet0/2
 switchport access vlan 3
!
interface FastEthernet0/3
 switchport mode trunk
!
interface FastEthernet0/4
!
interface FastEthernet0/5
```

Copy   Paste

Prueba de ping entre VLAN 2

PC0 — □ X

Physical | Config | Desktop | Custom Interface

Command Prompt X

```
PC>ping 192.168.1.59

Pinging 192.168.1.59 with 32 bytes of data:

Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.59:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>ping 192.168.1.59

Pinging 192.168.1.59 with 32 bytes of data:

Reply from 192.168.1.59: bytes=32 time=1ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.59:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>
```
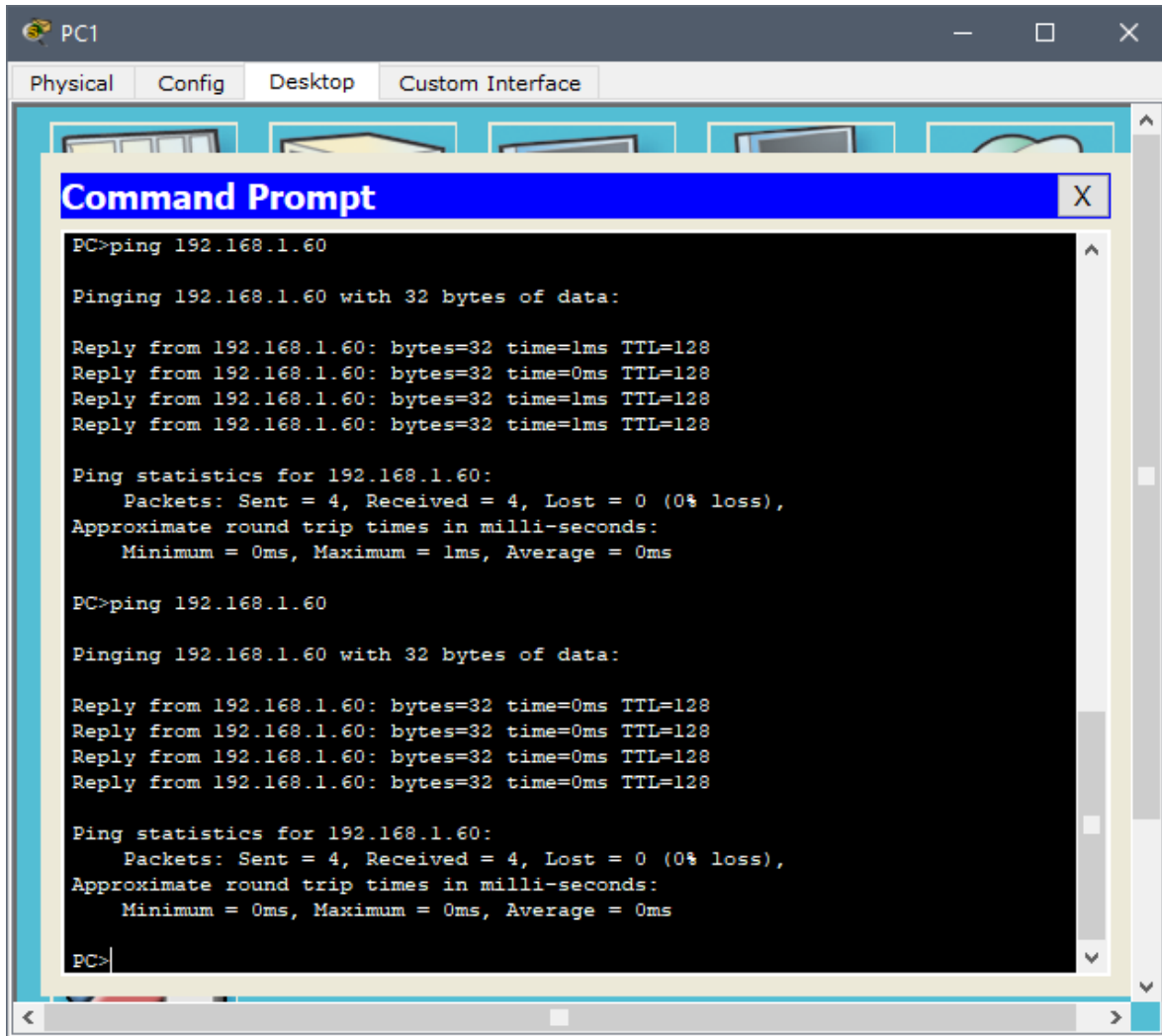
Prueba de ping entre VLAN 3

PC1 — Physical | Config | Desktop | Custom Interface

Command Prompt

```
PC>ping 192.168.1.60

Pinging 192.168.1.60 with 32 bytes of data:

Reply from 192.168.1.60: bytes=32 time=1ms TTL=128
Reply from 192.168.1.60: bytes=32 time=0ms TTL=128
Reply from 192.168.1.60: bytes=32 time=1ms TTL=128
Reply from 192.168.1.60: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.60:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>ping 192.168.1.60

Pinging 192.168.1.60 with 32 bytes of data:

Reply from 192.168.1.60: bytes=32 time=0ms TTL=128
Reply from 192.168.1.60: bytes=32 time=0ms TTL=128
Reply from 192.168.1.60: bytes=32 time=0ms TTL=128
Reply from 192.168.1.60: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.60:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```
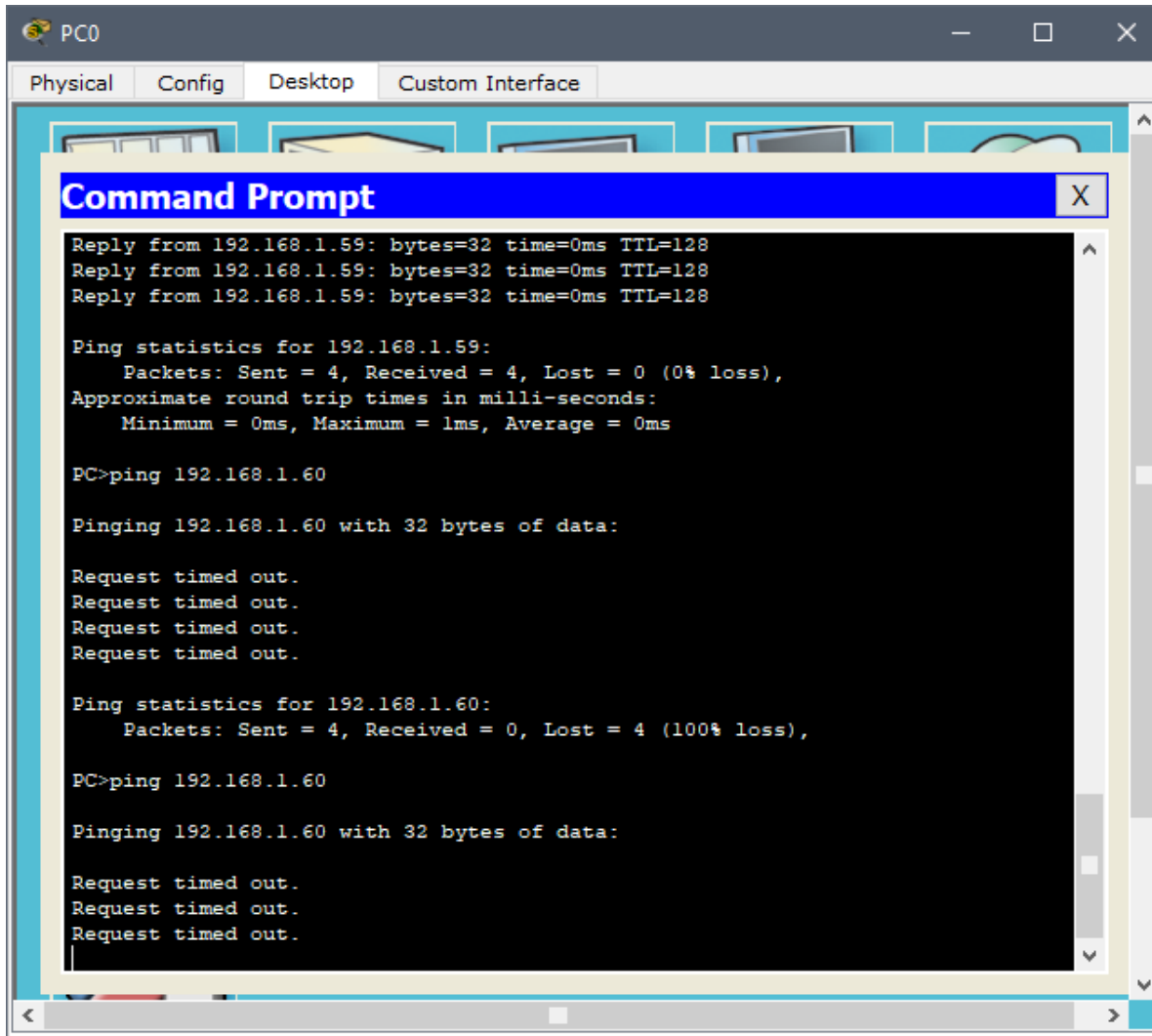
Prueba de ping entre diferentes VLAN

PC0 — Command Prompt

```
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128
Reply from 192.168.1.59: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.59:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>ping 192.168.1.60

Pinging 192.168.1.60 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.60:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 192.168.1.60

Pinging 192.168.1.60 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
```

PC1 — □ ✕

Physical | Config | **Desktop** | Custom Interface

Command Prompt ✕

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

PC>ping 192.168.1.59

Pinging 192.168.1.59 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.59:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 192.168.1.59

Pinging 192.168.1.59 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.59:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>
```