

Pregunta 7

Tenemos 2 oficinas o aulas con N equipos conectados en cada una de ellas (en este caso hay 2 equipos en cada oficina). En cada oficina hay un switch, y cada switch se conecta a un switch central. Por último, el switch central se conecta al router de acceso a Internet. Cada oficina está en una VLAN, y a diferencia de otros ejemplos, queremos que los equipos de una VLAN se puedan conectar con equipos de otra VLAN por el motivo que sea.

Anexar el url de GitHub con el PDF y el archivo packet tracert.

URL:

<https://github.com/apabloabad/Ejercicio-Pregunta-7.git>

Oficina 1

The image displays two screenshots of the Cisco Packet Tracer interface, showing network configurations and command-line outputs for two PCs (PC0 and PC1).

Top Screenshot (PC0):

- The network diagram shows PC0 (192.168.0.2/24) connected to a switch.
- The Command Prompt window shows the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192
Ping request could not find host 192. Please check the name and try again.
C:\>ping 192.168.0.2
Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time=3ms TTL=128
Reply from 192.168.0.2: bytes=32 time=1ms TTL=128
Reply from 192.168.0.2: bytes=32 time=4ms TTL=128
Reply from 192.168.0.2: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 4ms, Average = 1ms
C:\>
```

Bottom Screenshot (PC1):

- The network diagram shows PC1 (192.168.0.1/24) connected to a switch, which is connected to PC0.
- The Command Prompt window shows the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.1
Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time<1ms TTL=255
Reply from 192.168.0.1: bytes=32 time=1ms TTL=255
Reply from 192.168.0.1: bytes=32 time=1ms TTL=255
Reply from 192.168.0.1: bytes=32 time=1ms TTL=255

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
```

OFICINA 2

The screenshot displays two instances of the Cisco Packet Tracer application, each showing a PC window with a command prompt. The background network diagram shows a PC-PT connected to a switch in VLAN 10.

PC2 Command Prompt:

```
Cisco Packet Tracer PC Command Line 1.0
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=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

PC3 Command Prompt:

```
Cisco Packet Tracer PC Command Line 1.0
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=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255
Reply from 192.168.1.1: bytes=32 time=1ms TTL=255

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

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 = 1ms, Average = 0ms

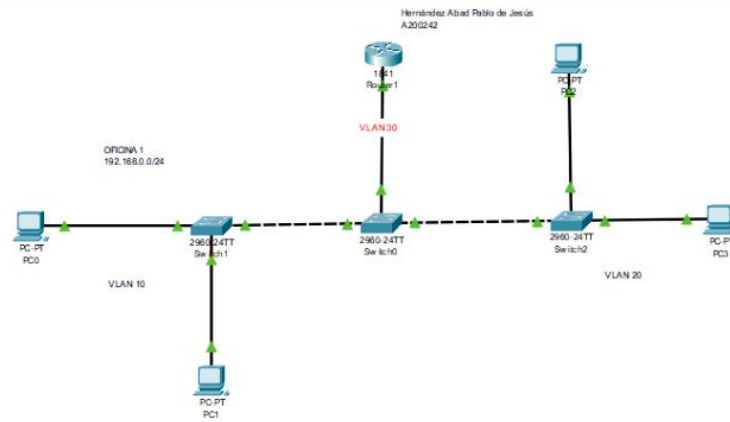
C:\>
```

Cisco Packet Tracer - C:\Users\Pablo\Downloads\Examen extraordinario.pkt

File Edit Options View Tools Extensions Window Help



Logical Physical x 100% y 530



Time: 00:14:56

4331 4321 1941 2901 2911 8191OX 8191GW 829 1240 PFRouter PFRempty 1841 2620

Scenario 0

New Delete

Fire Last Status