

Agregar 2 PCs en la Vlan 101

Agregar 2 PCs en la Vlan 102

Configura los puertos de el switch en su respective Vlan

Crear el Direcccionamiento IP para PCs y Router

IP address      10.10.x00.x

Mascara              255.255.255.0

Gateway              10.10.x00.1

Verificar que la PC 1 calcance la PC 2 en la Vlan 101

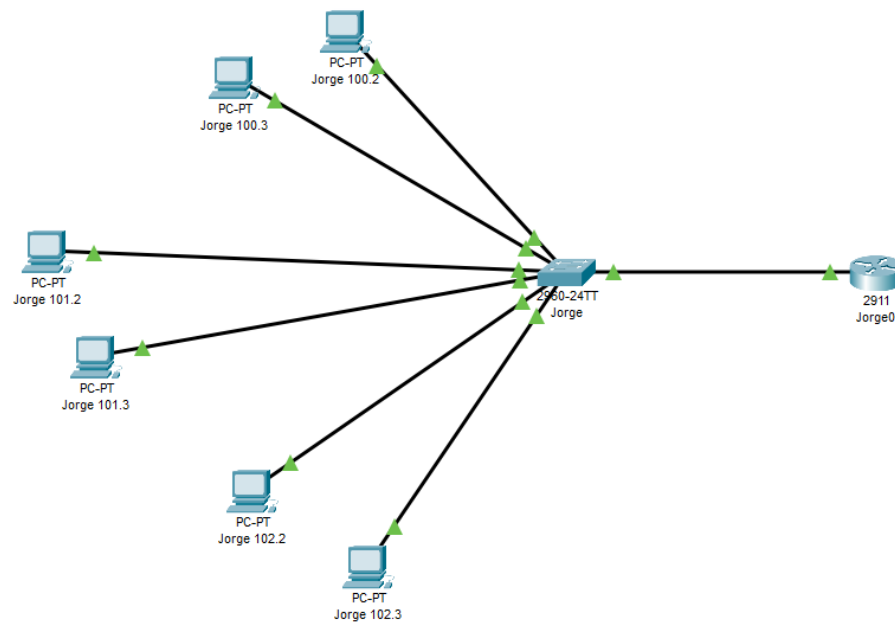
Verificar que la PC 1 calcance la PC 2 en la Vlan 102

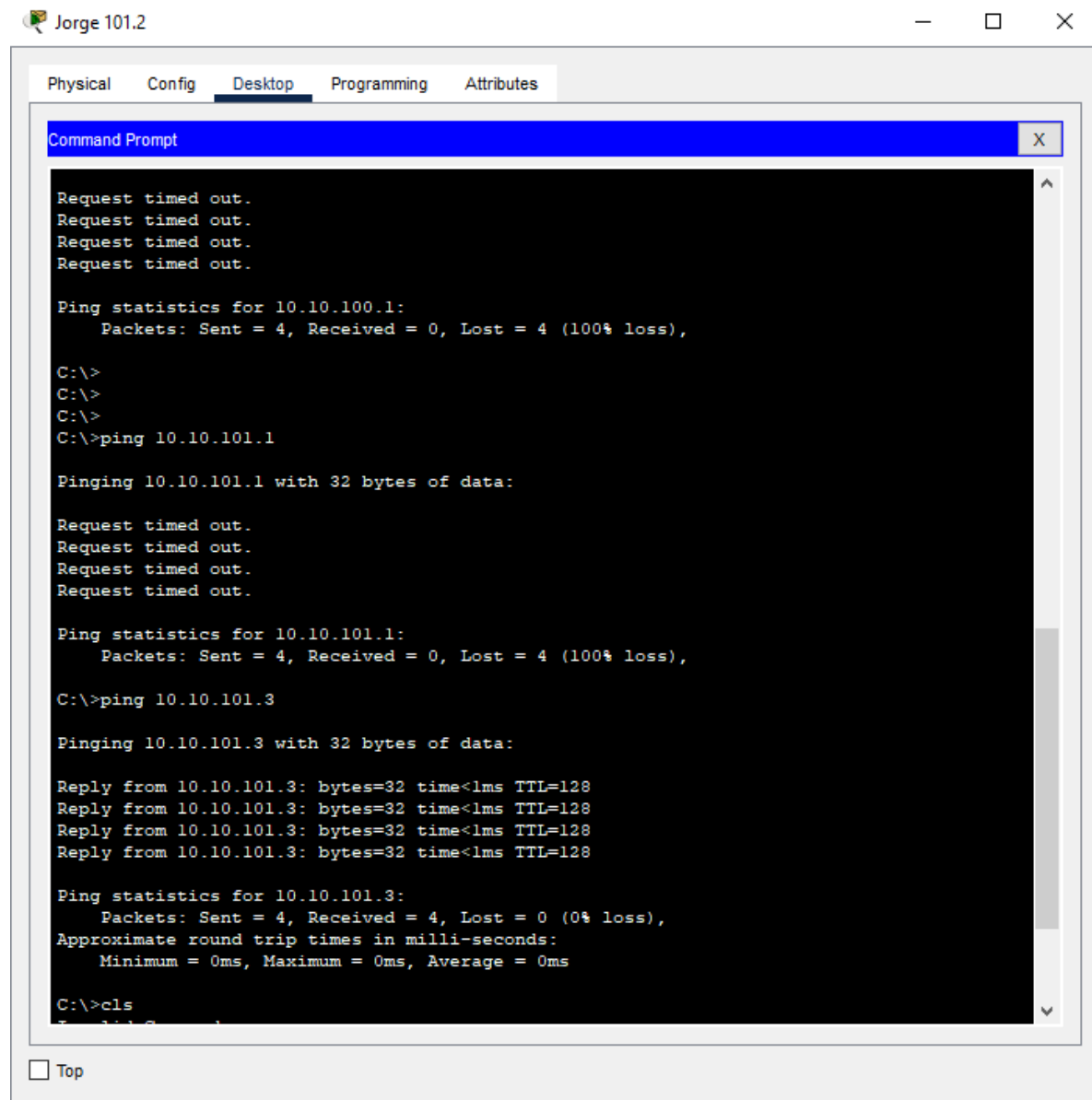
Verificar que una PC en la Vlan 101 pueda alcanzar el Router

Verificar que una PC en la Vlan 102 pueda alcanzar el Router

Capturar Imagnes, guardar en PDF y subir a Moodle

```
Switch>
Switch>show
Switch>show mac-a
Switch>show mac-address-table
      Mac Address Table
-----
Vlan    Mac Address      Type    Ports
-----
  1      0090.2b1b.7901    DYNAMIC Fa0/24
 101     0090.0c38.d32d    DYNAMIC Fa0/3
 102     0060.7010.5b19    DYNAMIC Fa0/5
 102     0090.2b1b.7901    DYNAMIC Fa0/24
Switch>
```





Jorge 101.2

Physical Config Desktop Programming Attributes

Command Prompt

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

Ping statistics for 10.10.100.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
C:\>
C:\>
C:\>ping 10.10.101.1

Pinging 10.10.101.1 with 32 bytes of data:

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

Ping statistics for 10.10.101.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 10.10.101.3

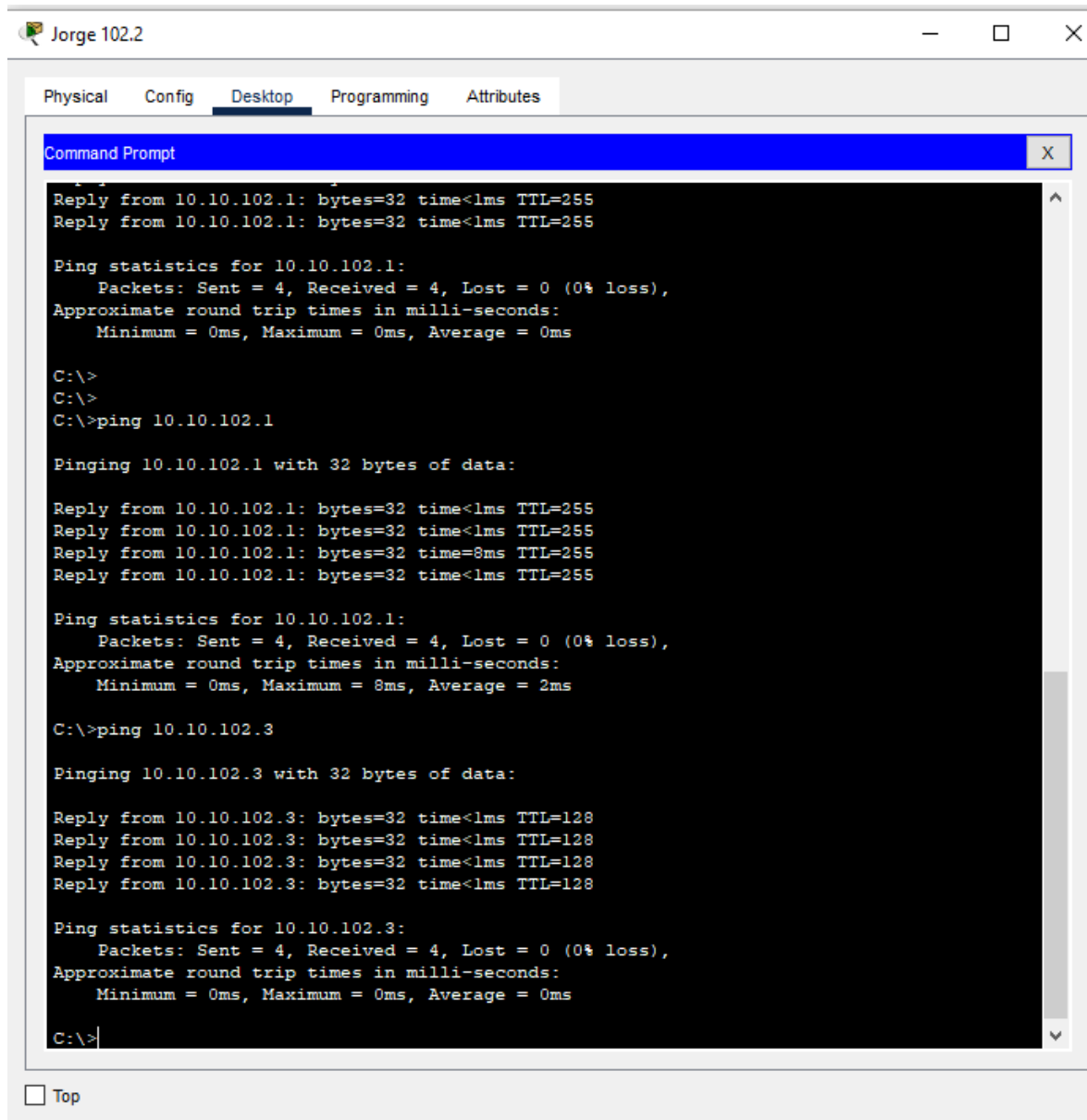
Pinging 10.10.101.3 with 32 bytes of data:

Reply from 10.10.101.3: bytes=32 time<1ms TTL=128
Reply from 10.10.101.3: bytes=32 time<1ms TTL=128
Reply from 10.10.101.3: bytes=32 time<1ms TTL=128
Reply from 10.10.101.3: bytes=32 time<1ms TTL=128

Ping statistics for 10.10.101.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>cls
```

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The screenshot shows a network configuration window titled "Jorge 102.2" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active, displaying a Command Prompt window. The Command Prompt shows the results of two ping commands: one to 10.10.102.1 and another to 10.10.102.3. The first ping to 10.10.102.1 shows a successful connection with 0% loss and a round trip time of 0ms. The second ping to 10.10.102.3 also shows a successful connection with 0% loss and a round trip time of 0ms.

```
Command Prompt
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255

Ping statistics for 10.10.102.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
C:\>
C:\>ping 10.10.102.1

Pinging 10.10.102.1 with 32 bytes of data:

Reply from 10.10.102.1: bytes=32 time<1ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255
Reply from 10.10.102.1: bytes=32 time=8ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255

Ping statistics for 10.10.102.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 8ms, Average = 2ms

C:\>ping 10.10.102.3

Pinging 10.10.102.3 with 32 bytes of data:

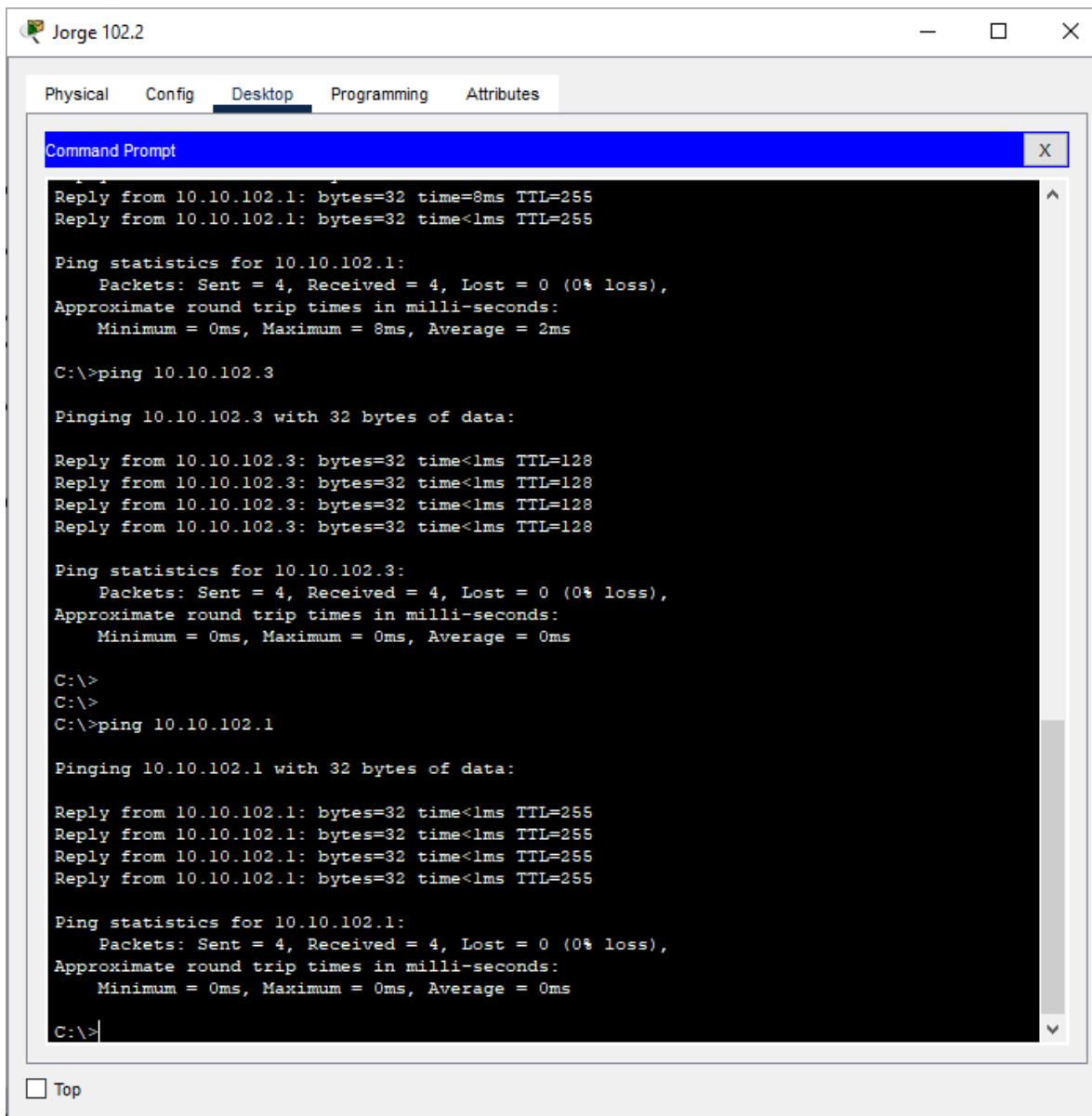
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128

Ping statistics for 10.10.102.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

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Esta es pingeando al router



The screenshot shows a Packet Tracer desktop environment. At the top, there are tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes'. The 'Desktop' tab is selected. A 'Command Prompt' window is open, displaying the results of several ping commands. The window title is 'Jorge 102.2'. The output shows successful pings to 10.10.102.1 and 10.10.102.3, with statistics for packets sent, received, lost, and round trip times.

```
Command Prompt X
+-----+
Reply from 10.10.102.1: bytes=32 time=8ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255

Ping statistics for 10.10.102.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 8ms, Average = 2ms

C:\>ping 10.10.102.3

Pinging 10.10.102.3 with 32 bytes of data:

Reply from 10.10.102.3: bytes=32 time<1ms TTL=128
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128
Reply from 10.10.102.3: bytes=32 time<1ms TTL=128

Ping statistics for 10.10.102.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
C:\>
C:\>ping 10.10.102.1

Pinging 10.10.102.1 with 32 bytes of data:

Reply from 10.10.102.1: bytes=32 time<1ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255
Reply from 10.10.102.1: bytes=32 time<1ms TTL=255

Ping statistics for 10.10.102.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

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