



PACKET TRACERT

IPv6

PRIMER

EJERCICIO

1. Primero configuramos Los equipos a través de la interfaz gráfica.

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 00E0.B060.660E

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

Subnet Mask

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address 2001:DB8:1:1::2 /64

Link Local Address: FE80::2E0:B0FF:FE60:660E

Gateway/DNS IPv6

☐ Automatic

☒ Static

Default Gateway 2001:DB8:1:1::1

DNS Server

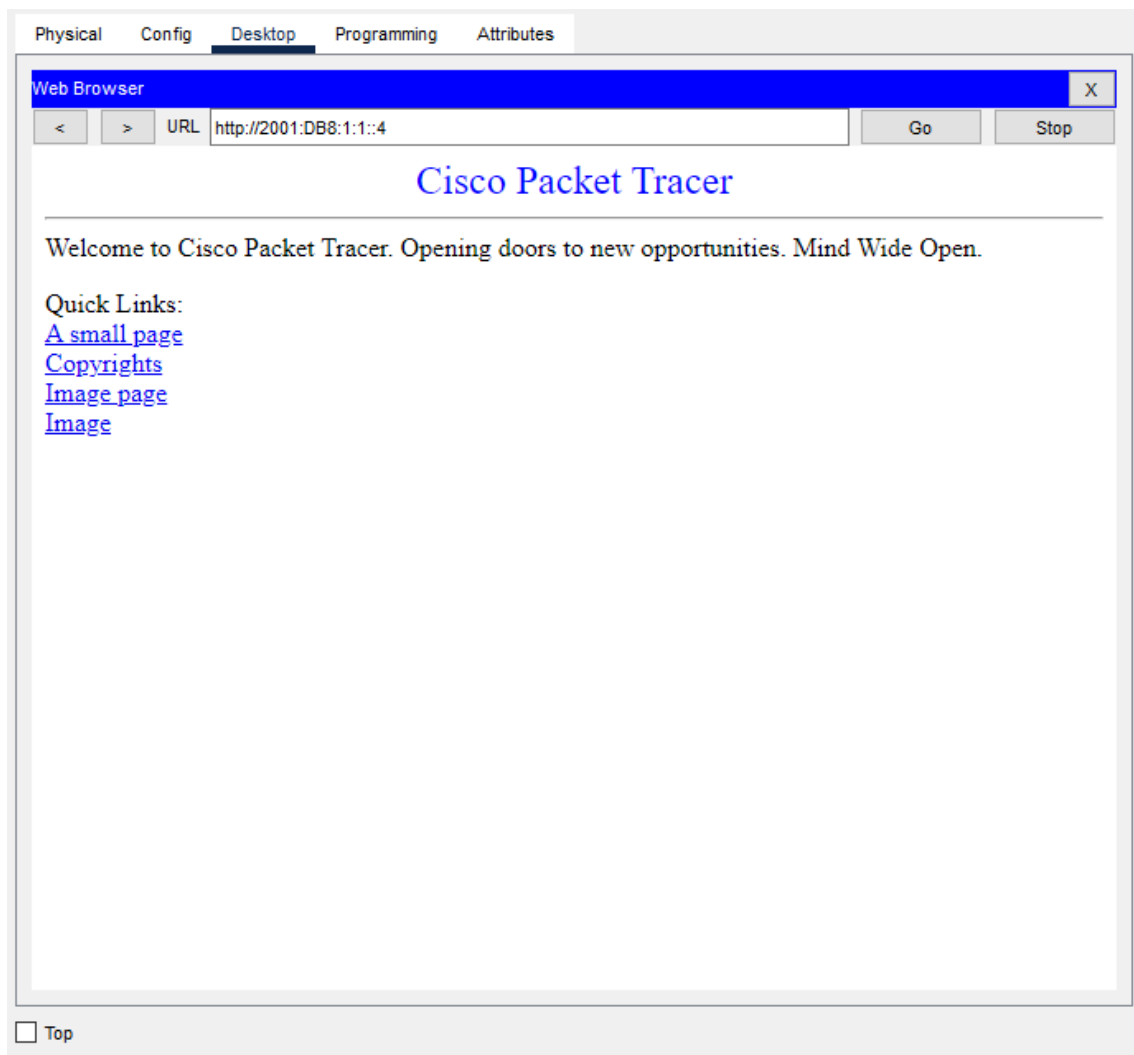
2. Punto importante debemos utilizar el router 2911 para poder configurarlo de manera correcta, para la configuración del mismo debemos hacerlo a través de la línea de comando.

```
Router(config-if)#interface GigabitEthernet0/0
Router(config-if)#ipv6 address 2001:DB8:1:1::1/64
Router(config-if)#
```

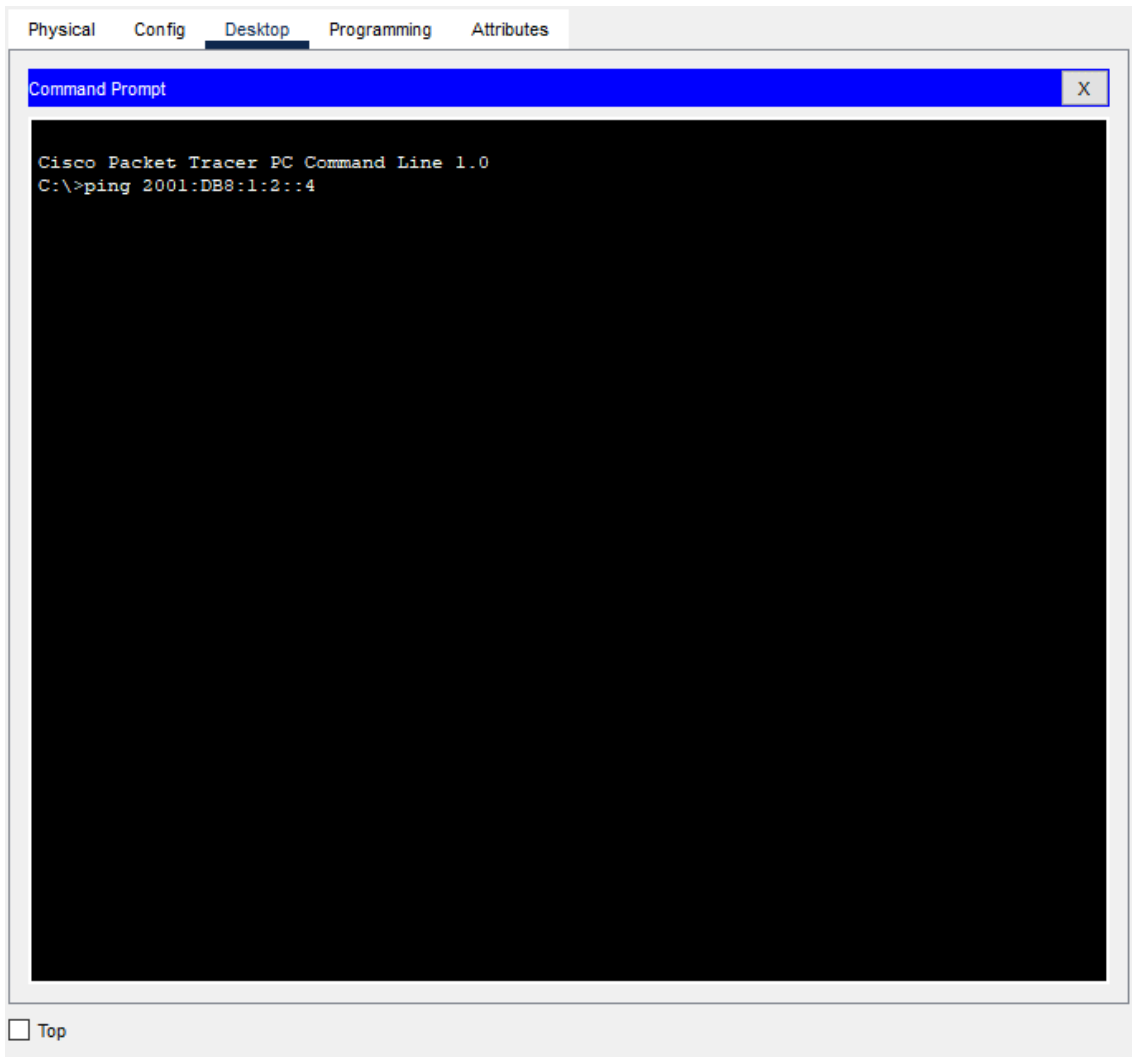
El otro cable del router.

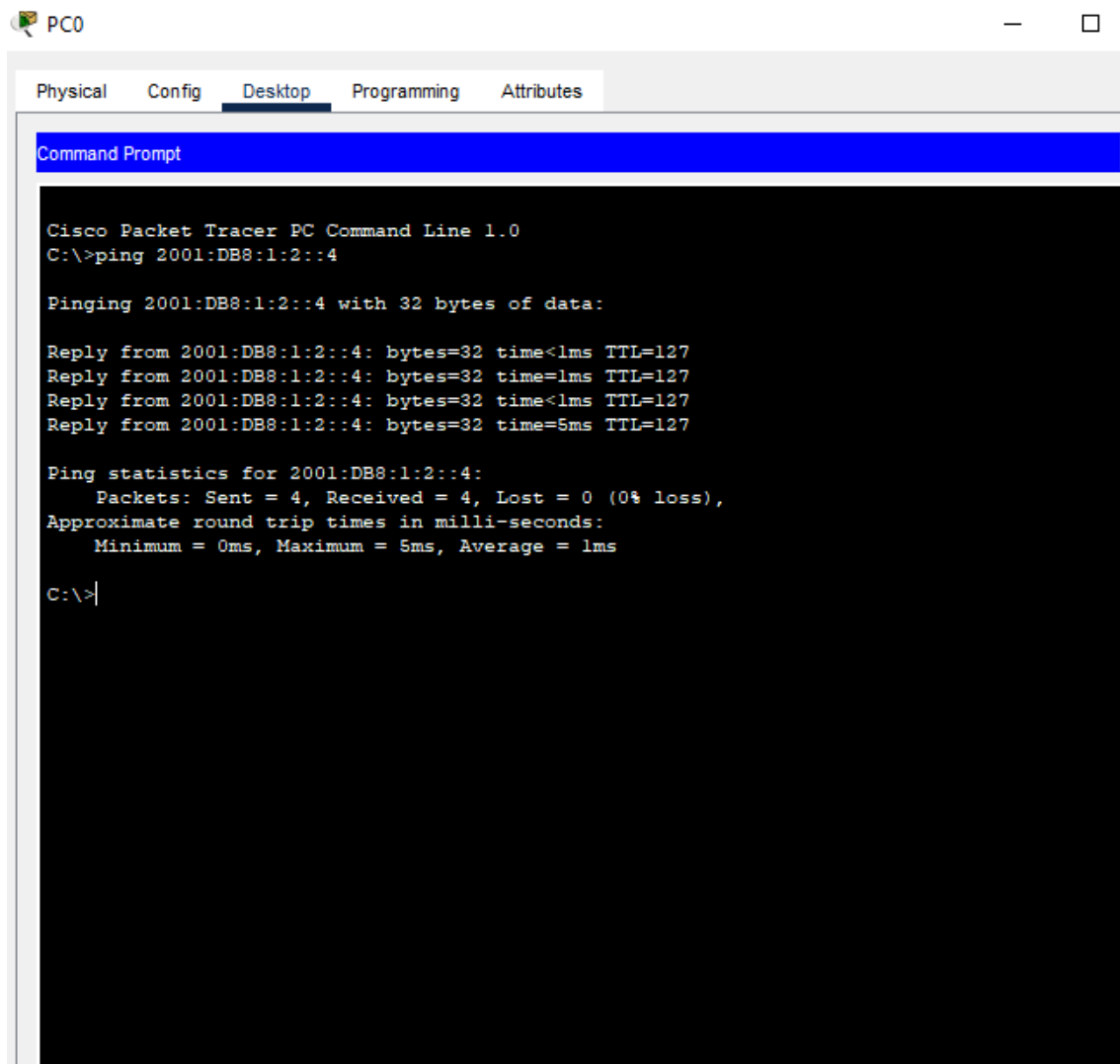
```
Router(config-if)#interface GigabitEthernet0/0
Router(config-if)#ipv6 address 2001:DB8:1:1::1/64
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ipv6 address 2001:DB8:1:2::1/64
```

3.Vemos que funciona



Aquí una vez comprobada la conectividad por navegador tenemos que confirmar con un ping como te muestro





The screenshot shows a Cisco Packet Tracer interface with a PC0 icon in the top left. The 'Desktop' tab is selected in the top menu bar. Below the menu bar is a 'Command Prompt' window with a blue title bar. The command prompt displays the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 2001:DB8:1:2::4

Pinging 2001:DB8:1:2::4 with 32 bytes of data:

Reply from 2001:DB8:1:2::4: bytes=32 time<1ms TTL=127
Reply from 2001:DB8:1:2::4: bytes=32 time=1ms TTL=127
Reply from 2001:DB8:1:2::4: bytes=32 time<1ms TTL=127
Reply from 2001:DB8:1:2::4: bytes=32 time=5ms TTL=127

Ping statistics for 2001:DB8:1:2::4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>|
```

Aquí tienes el paquete IPv6 en el que vemos el tráfico con las ip pero en versión 6 es decir en hexadecimal.

PDU Information at Device: Switch1



OSI Model

Inbound PDU Details

Outbound PDU Details

At Device: Switch1  
Source: Router1  
Destination: FF02::1:FF00:4

**In Layers**

Layer7
Layer6
Layer5
Layer4
Layer3
Layer 2: Ethernet II Header 0001.635D.B002 >> 3333.FF00.0004
Layer 1: Port FastEthernet3/1

**Out Layers**

Layer7
Layer6
Layer5
Layer4
Layer3
Layer 2: Ethernet II Header 0001.635D.B002 >> 3333.FF00.0004
Layer 1: Port(s): FastEthernet0/1 FastEthernet1/1 FastEthernet2/1



1. FastEthernet3/1 receives the frame.

Challenge Me

<< Previous Layer

Next Layer >>

