

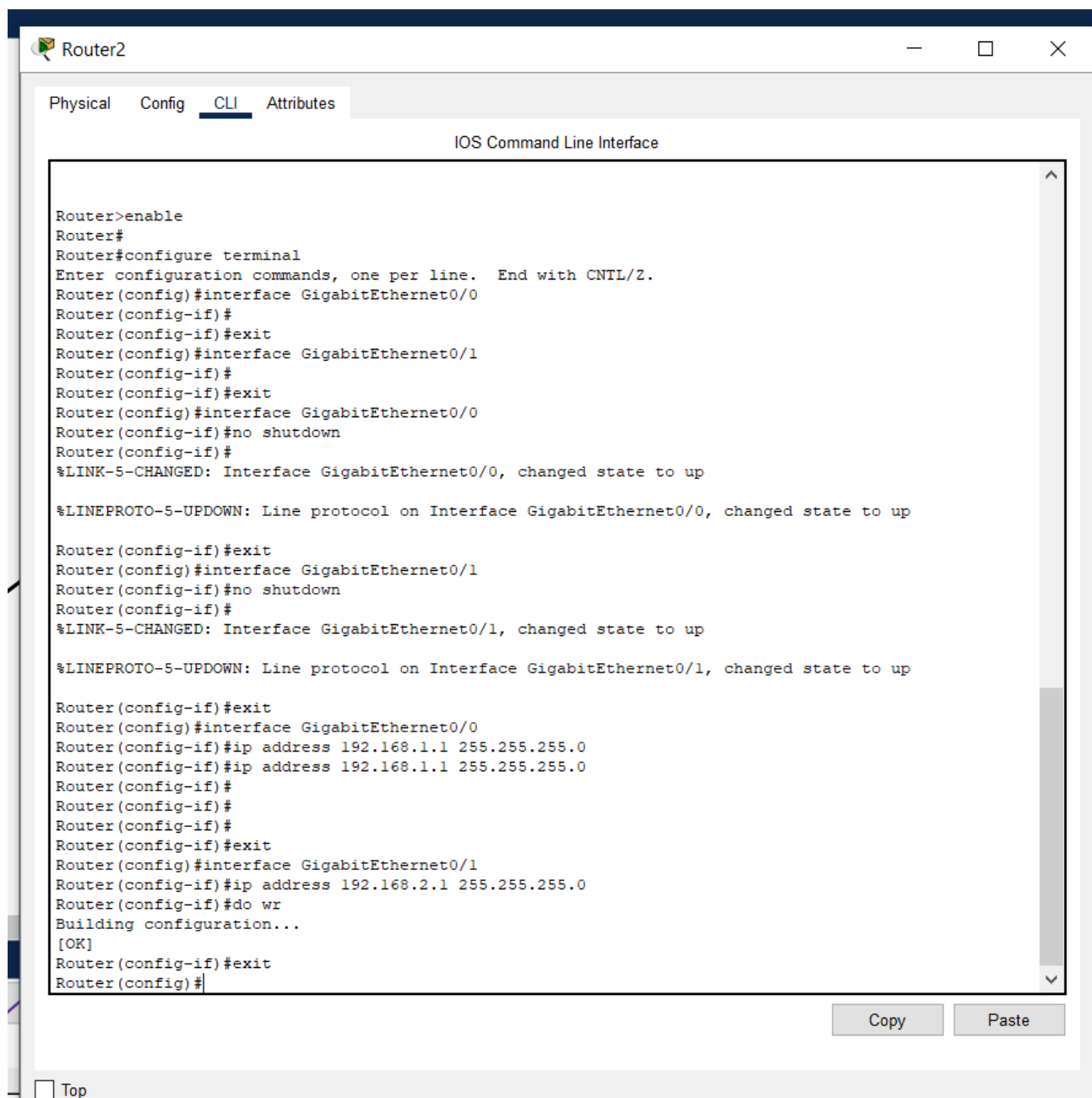
ACL

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1-ASIR

Pasos para Configurar las ACL

1. Configurar Interfaces en el Router:



The screenshot shows a Cisco Router CLI window titled "Router2". The window has tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is selected, and the title bar indicates "IOS Command Line Interface". The CLI shows the following commands and output:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

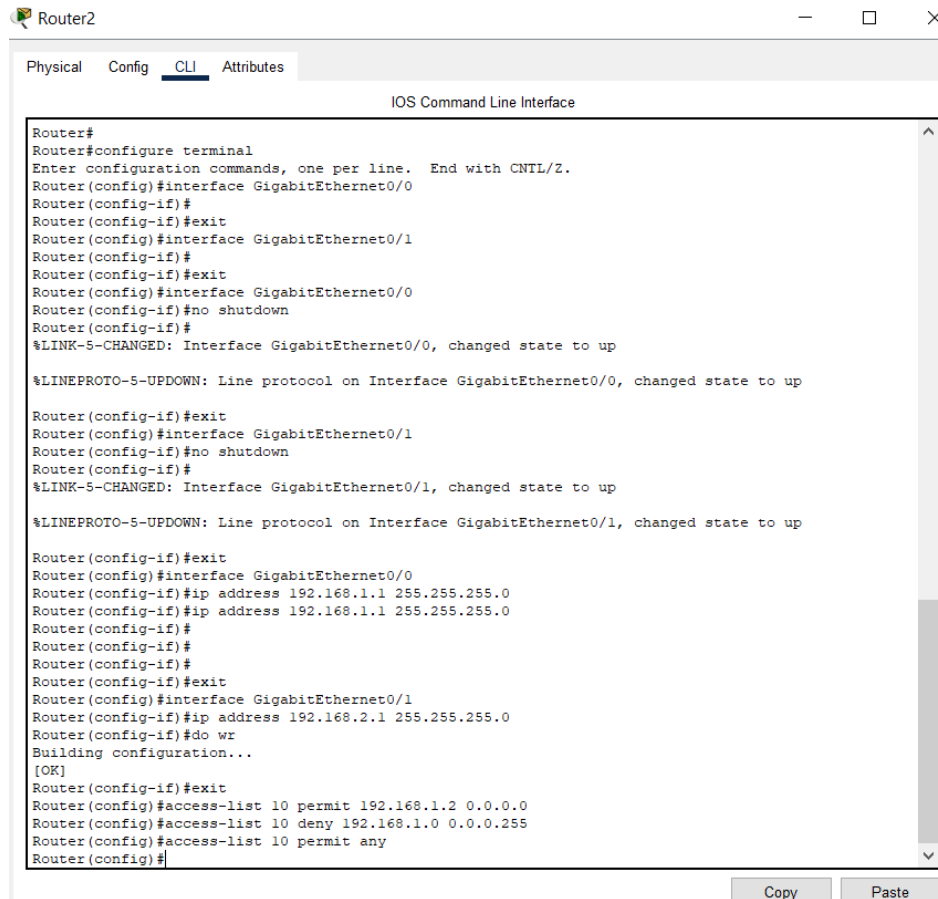
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#do wr
Building configuration...
[OK]
Router(config-if)#exit
Router(config)#
```

At the bottom right of the CLI window, there are "Copy" and "Paste" buttons. At the bottom left of the window, there is a "Top" button.

2. Configurar la ACL:



```
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

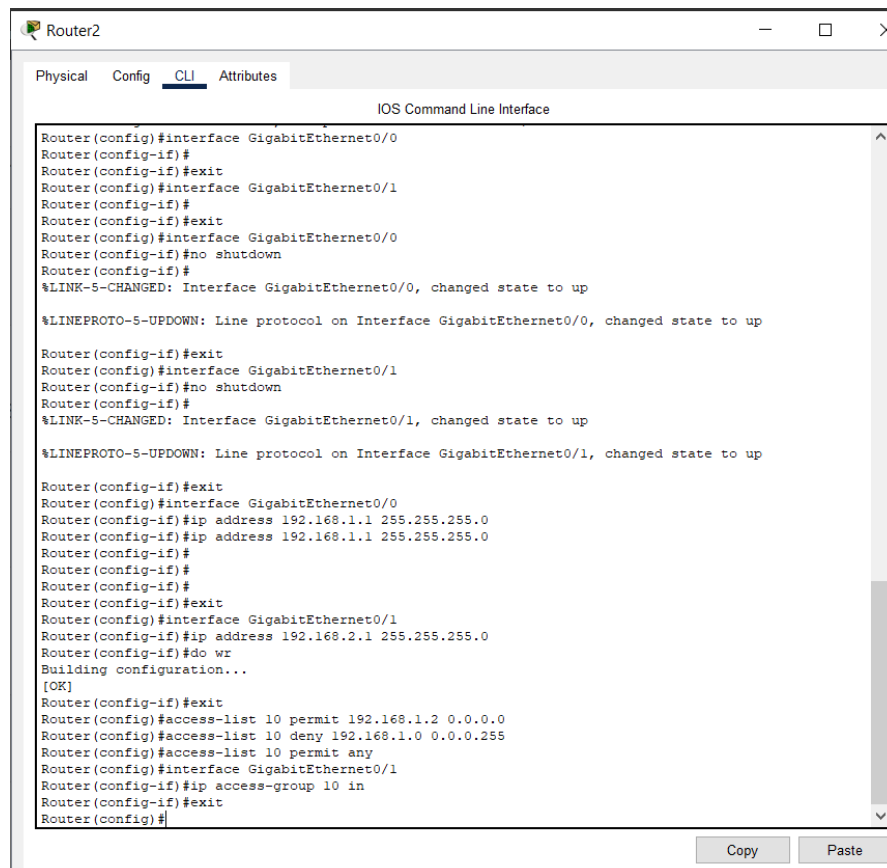
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#do wr
Building configuration...
[OK]
Router(config-if)#exit
Router(config)#access-list 10 permit 192.168.1.2 0.0.0.0
Router(config)#access-list 10 deny 192.168.1.0 0.0.0.255
Router(config)#access-list 10 permit any
Router(config)#
```

Copy Paste

3. Aplicar la ACL a la Interface:



```
Router#
Router#configure terminal
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#do wr
Building configuration...
[OK]
Router(config-if)#exit
Router(config)#access-list 10 permit 192.168.1.2 0.0.0.0
Router(config)#access-list 10 deny 192.168.1.0 0.0.0.255
Router(config)#access-list 10 permit any
Router(config)#interface GigabitEthernet0/1
Router(config-if)#ip access-group 10 in
Router(config-if)#exit
Router(config)#
```

Copy Paste

4. Guardar la Configuración:

```
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

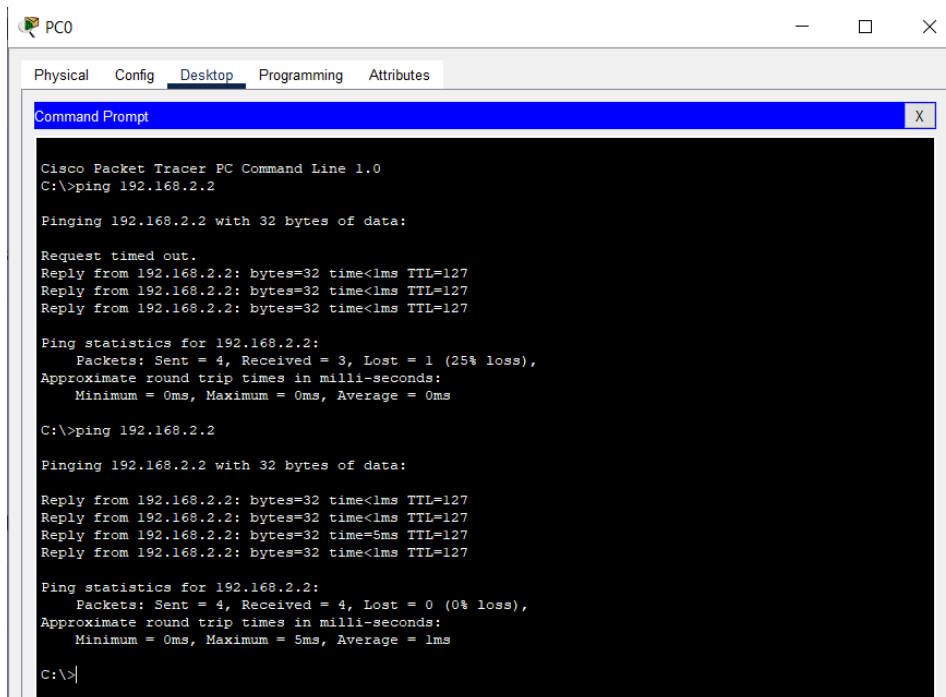
Router#write memory
Building configuration...
[OK]
Router#
```

Verificación

1. Probar la Conectividad desde PC1:

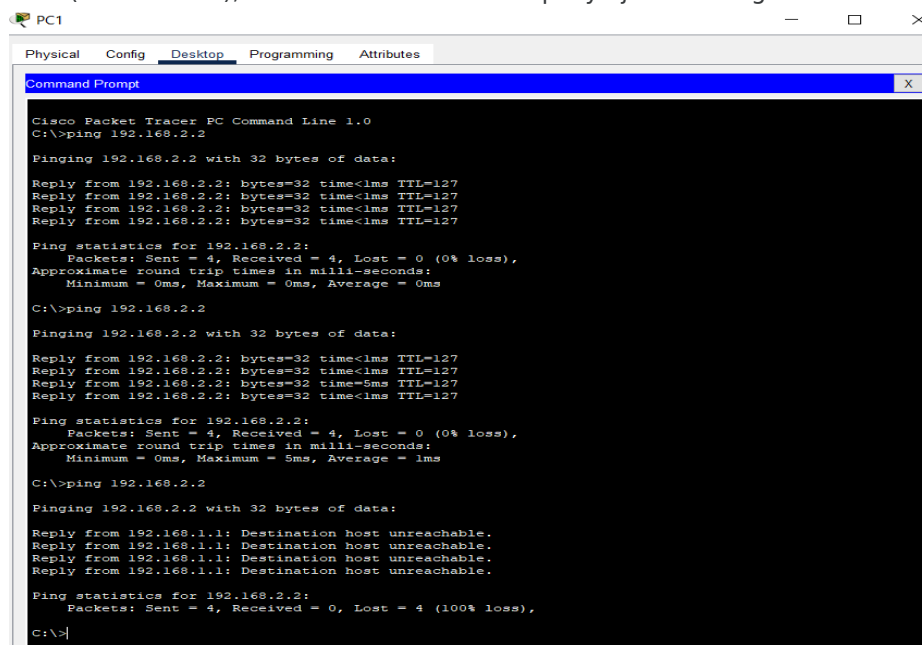
- Desde PC1 (192.168.1.2), abre el "Command Prompt" y ejecuta el siguiente comando:

Probar la



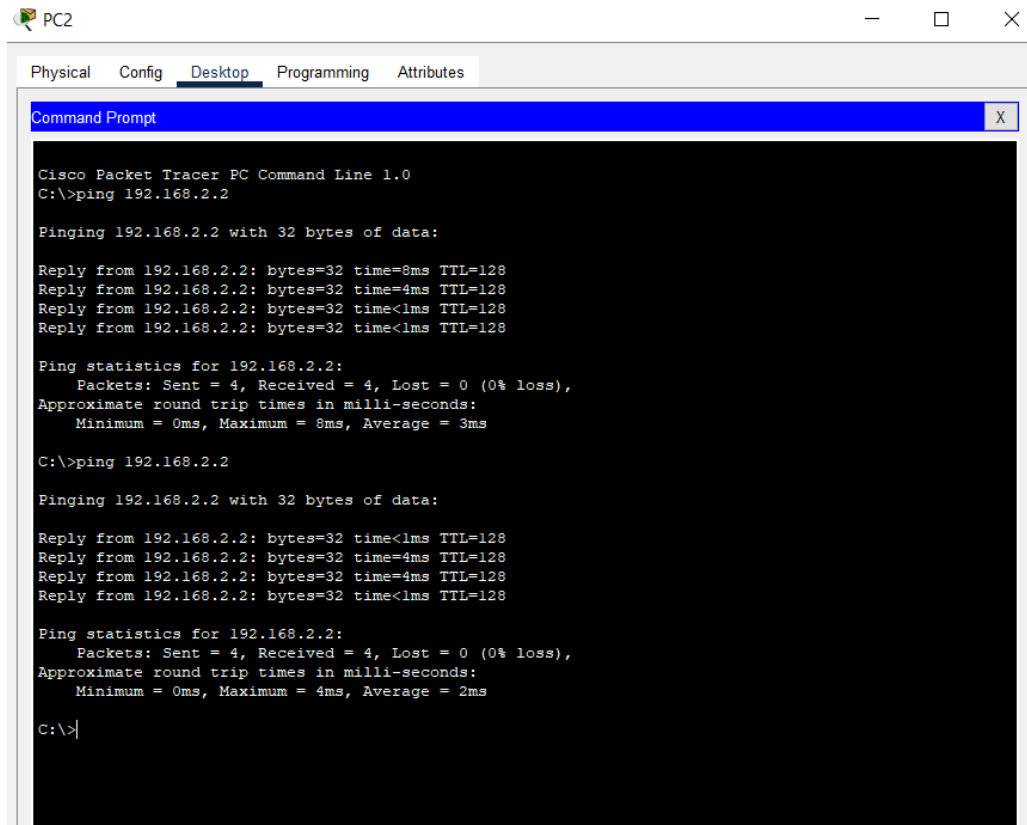
Conectividad desde PC2:

- Desde PC2 (192.168.1.3), abre el "Command Prompt" y ejecuta el siguiente comando:



Probar la Conectividad dentro de la Red 192.168.2.0/24:

- Desde PC3 (192.168.2.2), abre el "Command Prompt" y ejecuta el siguiente comando:



Tuve un problemas y es que el que tenia que quitar acceso el gigabit ethernet 0/0 y por eso me daba error al principio ya que en la practica pone 0/1 pero en packet tracer te dan el 0/0 primero.

```
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 10 permit 192.168.1.2 0.0.0.0
Router(config)#access-list 10 deny 192.168.1.0 0.0.0.255
Router(config)#access-list 10 permit any
Router(config)#interface GigabitEthernet0/0
Router(config-if)#ip access-group 10 in
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#write memory
Building configuration...
[OK]
Router#
```

Este es el set up correcto.