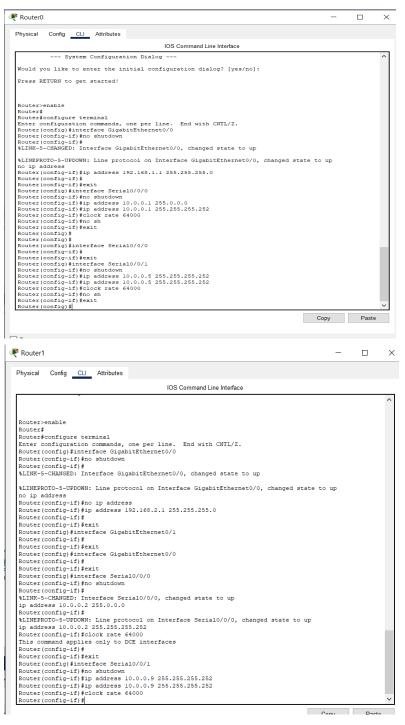
Configurar routers con RIP y OSPF

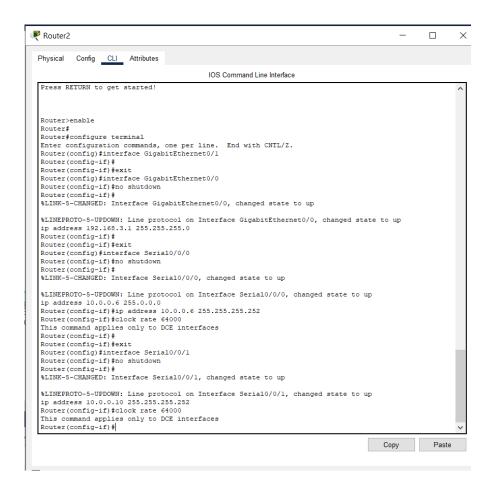
Wuke Zhang

1-ASIR

Ejercicio de Configuración de un Router con RIP en Cisco Packet Tracer

Configurar Interfaces en los Routers: Repite estos pasos para cada router, ajustando las direcciones IP según corresponda.





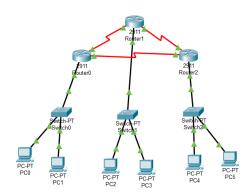
Configurar RIP en los Routers:

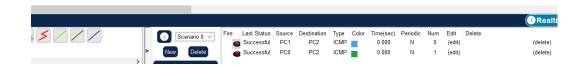
1. Verificar la Configuración:

```
odo de imagen
    Physical Config CLI Attributes
                                                                               IOS Command Line Interface
    Router(config) #
%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up
      %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up
      %LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
      %LINEPROTO-5-UPDOWN: Line protocol on Interface SerialO/0/1, changed state to up
      Router(config) #router rip
      Router(config-router) #version 2
     Router(config-router) #network 192.168.1.0
Router(config-router) #network 10.0.0.0
      Router(config-router) #exit
      Router(config) #do write
      Building configuration...
      LOK1
      Router(config)#exit
      Router#
      %SYS-5-CONFIG_I: Configured from console by console
      Router#show ip route
     ROuter#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
NI - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
El - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
                  P - periodic downloaded static route
      Gateway of last resort is not set
              10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
                   10.0.0.0/30 is directly connected, Serial0/0/0 10.0.0.1/32 is directly connected, Serial0/0/0 10.0.0.4/30 is directly connected, Serial0/0/1
              10.0.0.5/32 is directly connected, Serial0/0/1
192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
                   192.168.1.0/24 is directly connected, GigabitEthernet0/0 192.168.1.1/32 is directly connected, GigabitEthernet0/0
                                                                                                                                                      Copy Paste
Router1
                                                                                                                                                                         П
                                                                                                                                                                                      X
  Physical Config CLI Attributes
                                                                          IOS Command Line Interface
  Router(config-if) #ip address 10.0.0.9 255.255.255.252
   Router(config-if) #clock rate 64000
Router(config-if) #
    %LINK-5-CHANGED: Interface Serial0/0/1, changed state to up
   %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/1, changed state to up
   Router(config-if) #router rip
   Router(config-router) #version 2
Router(config-router) #network 192.168.2.0
   Router (config-router) #network 10.0.0.0
   Router(config-router) #exit
   Router(config)#do write
   Building configuration...
   [OK]
   Router (config) #exit
   Router#
%SYS-5-CONFIG I: Configured from console by console
   Router#show ip route
   ROUTEF### FOUTE
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
                P - periodic downloaded static route
   Gateway of last resort is not set
            10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
           10.0.0,0/8 is variably subnetted, 5 subnets, 2 masks
10.0.0.0/30 is directly connected, Serial0/0/0
10.0.0.2/32 is directly connected, Serial0/0/0
10.0.0.4/30 [120/1] via 10.0.0.1, 00:00:22, Serial0/0/0
10.0.0.8/30 is directly connected, Serial0/0/1
10.0.0.9/32 is directly connected, Serial0/0/1
192.168.1.0/24 [120/1] via 10.0.0.1, 00:00:22, Serial0/0/0
192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
192.168.2.0/24 is directly connected, GigabitEthernet0/0
192.168.2.1/32 is directly connected, GigabitEthernet0/0
```



Verificar Conectividad:



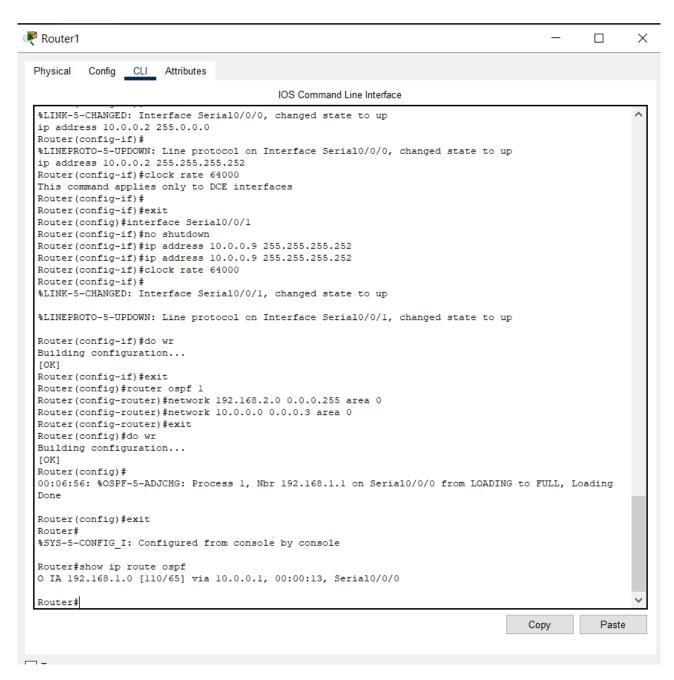


Pasos para Configurar OSPF

Configurar Interfaces en los Routers: Repite estos pasos para cada router, ajustando las direcciones IP según corresponda (igual que en el ejercicio anterior).

1. Configurar OSPF en los Routers:

2. Verificar la Configuración:



Verificar Conectividad:

