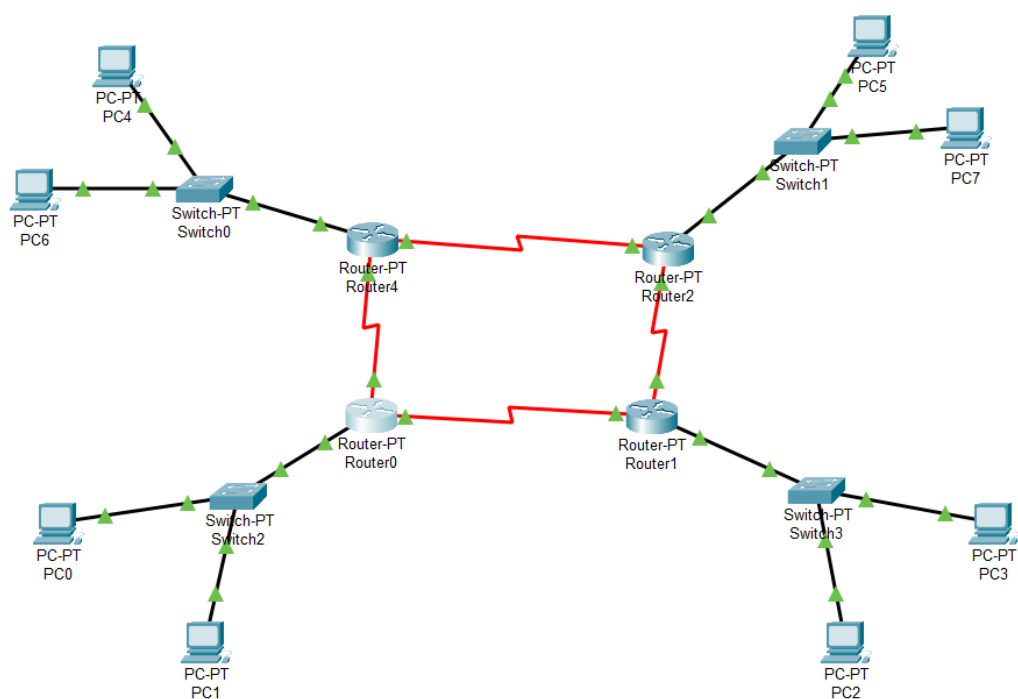


ACTIVIDAD 17

Subredes DHCP

Wuke Zhang

1-ASIR



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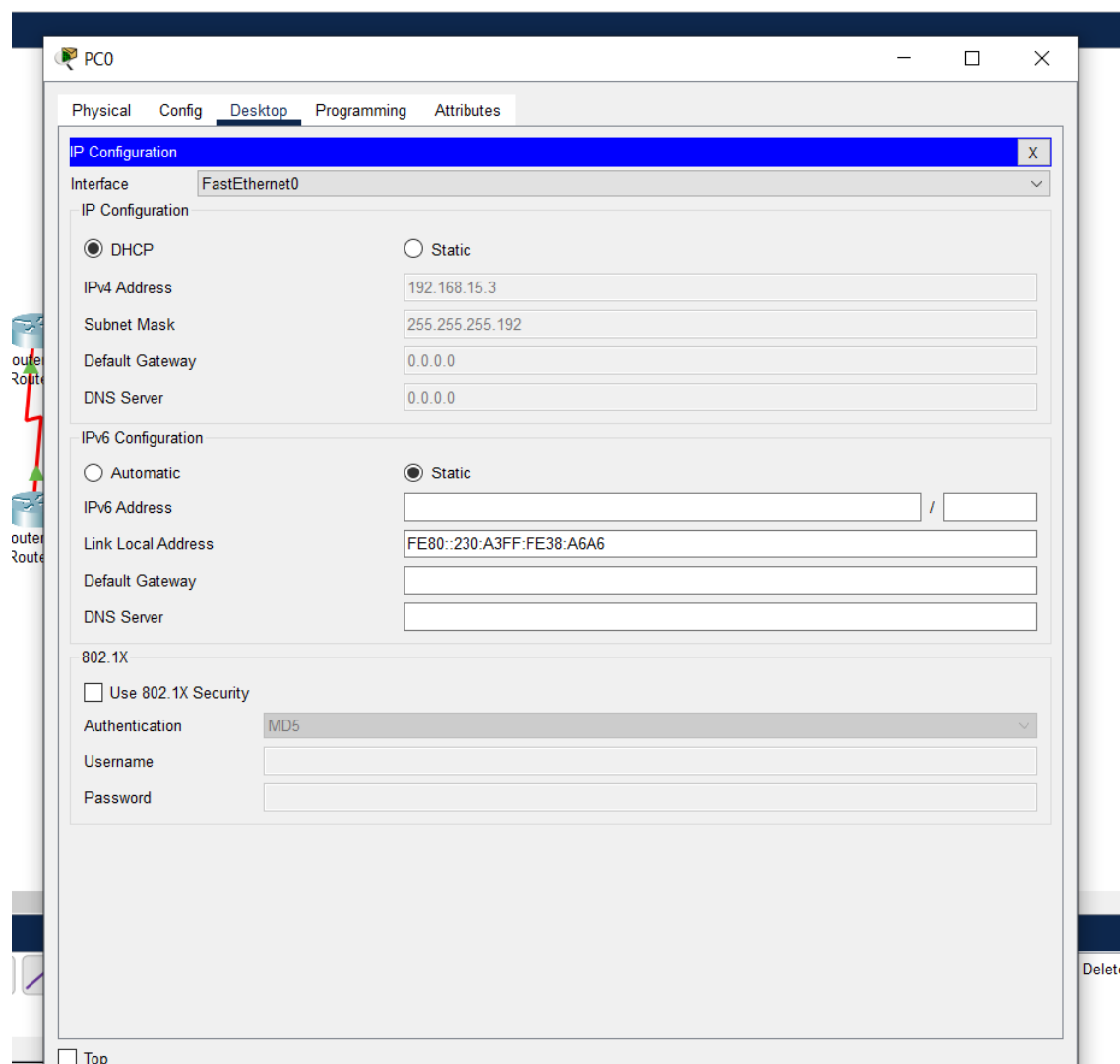
Conclusion5

Bibliografia 6

Introducción:

Voy a seguir el tutorial, que está adjunto a la actividad, de cómo diseñar y planificar las diferentes subredes y modificarlo para que se pueda hacer mediante un servidor DHCP que genere el rango de IPs válidas dentro de cada subred.

El esquema es similar, pero en cada una de las subredes deberá haber un router que permita realizar este servicio.



PC1

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.15.4

Subnet Mask 255.255.255.192

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:B0FF:FEC2:A965

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Delete

PC2

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.15.67

Subnet Mask 255.255.255.192

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:96FF:FE81:1D4A

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.15.68

Subnet Mask 255.255.255.192

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::20D:BDFE:FEE4:8C21

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Router1

Physical Config **CLI** Attributes

IOS Command Line Interface

Would you like to enter the initial configuration dialog? [yes/no]:

Press RETURN to get started!

```







Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.10.64 255.255.255.192
Bad mask /26 for address 192.168.10.64
Router(config-if)#no ip address 192.168.15.64 255.255.255.192
Bad mask /26 for address 192.168.15.64
Router(config-if)#ip address 192.168.15.65 255.255.255.192
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#ip dhcp excluded-address 192.168.15.1 192.168.15.64
^
% Invalid input detected at '^' marker.

Router(config)#ip dhcp excluded-address 192.168.15.1 192.168.15.64
Router(config)#ip dhcp pool DHCP_router
Router(dhcp-config)#network 192.168.15.65 255.255.255.192
Router(dhcp-config)#dns-server 0.0.0.0
Router(dhcp-config)#exit
Router(config)#exit
Router#
  
```

Realtime Simulador										
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	Router0	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC0	PC1	ICMP		0.000	N	1	(edit)	(delete)
	Successful	Router0	Router1	ICMP		0.000	N	2	(edit)	(delete)

El procedimiento fue lo mismo que en el ejercicio 16 solo, que ahora teniamos que hacer exclusiones de ips en cada router y tener que conectar los routers entre si.