



S.E.P.

TECNOLÓGICO NACIONAL DE MÉXICO

INSTITUTO TECNOLÓGICO DE TUXTEPEC

INTERCONECTIVIDAD DE REDES

ALUMNA:

CASANDRA CONDE VILLALOBOS

NUMERO DE CONTROL:

23350594

DOCENTE:

JULIO AGUILAR CARMONA

ACTIVIDAD:

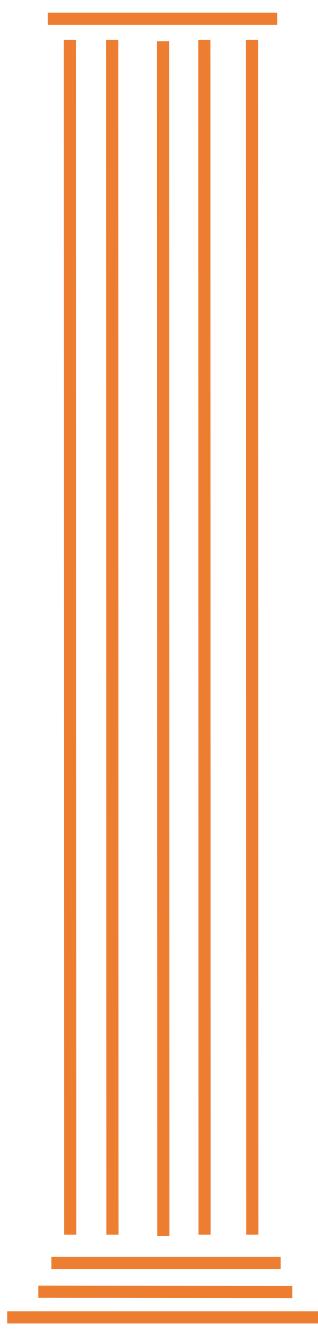
**PARAMETROS DE CONFIGURACION DE
RED**

CARRERA:

INGENIERIA INFORMÁTICA

FECHA DE ENTREGA

05/12/2025



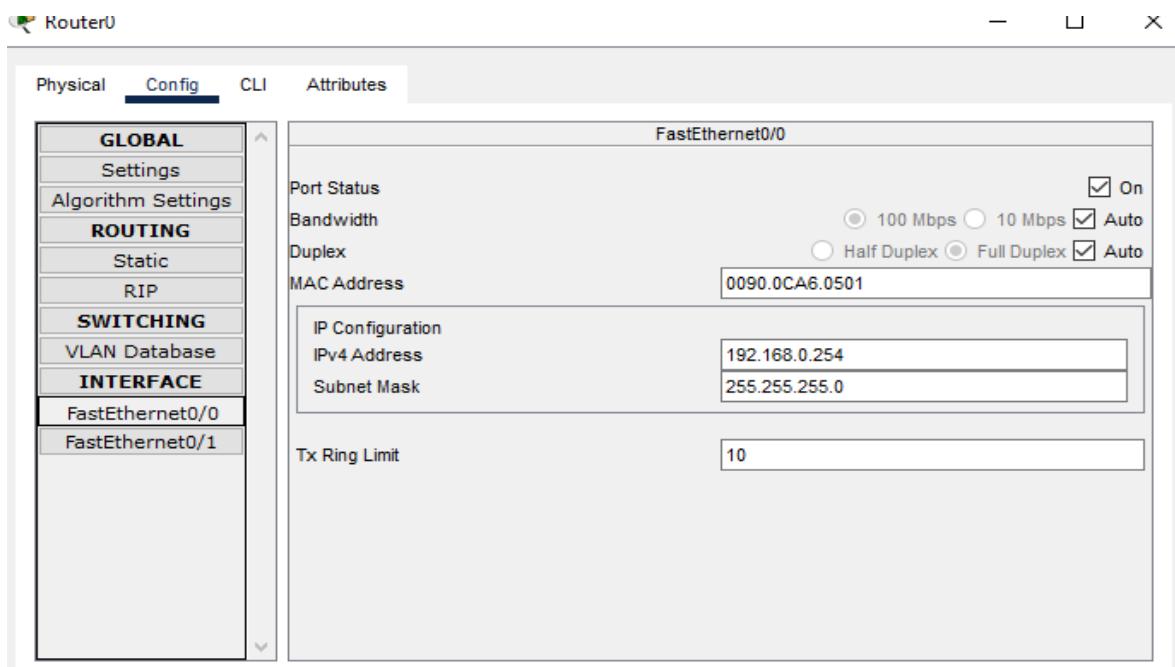
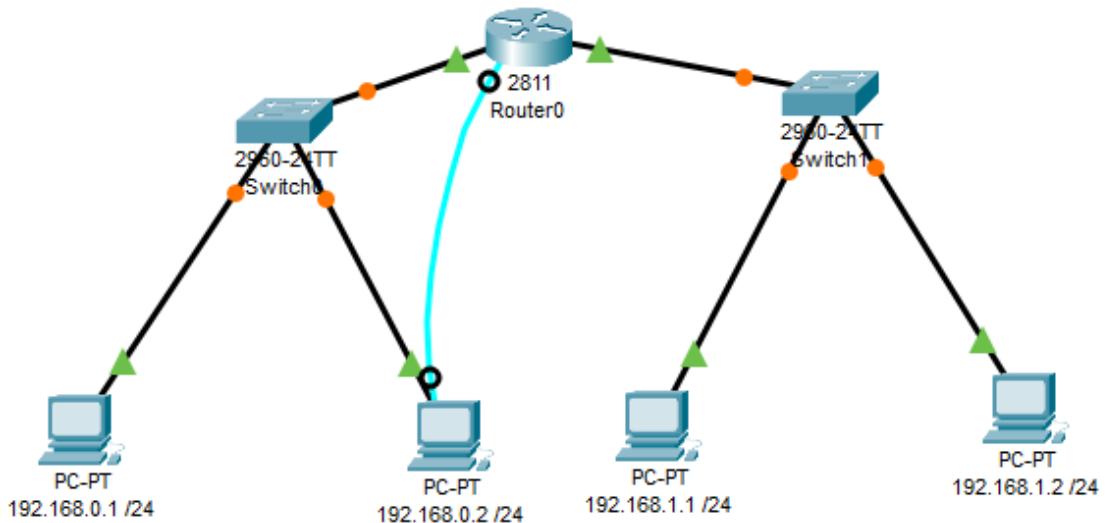
INTRODUCCIÓN

En este curso abordamos los fundamentos de la interconectividad de redes, enfocándonos en comprender cómo se comunican los dispositivos dentro de una infraestructura de red local. A través de diversas prácticas realizadas en el simulador Cisco Packet Tracer, adquirimos habilidades para conectar computadoras a switches, identificar la dirección IP correspondiente a cada dispositivo y aplicar correctamente la máscara de subred para determinar la estructura lógica de la red. Estas actividades permitieron reforzar los conceptos esenciales del diseño y configuración de redes, brindándonos una base sólida. Gracias a estas prácticas, logramos desarrollar competencias técnicas necesarias para configurar, analizar y solucionar problemas básicos de interconectividad en entornos de red.

CONTENIDO DEL CURSO

- 1) PARÁMETROS DE CONFIGURACIÓN DE RED
- 2) ESTRATEGIA QUE USA EL EQUIPO DE CÓMPUTO PARA IDENTIFICAR SI UNA MÁQUINA ESTÁ EN LA MISMA RED O NO
- 3) CLASIFICACIONES DE DIRECCIONES IP
- 4) SUBNETING
- 5) SIMULACIÓN DE UNA RED LAN
- 6) ENRUTAMIENTO ESTÁTICO
- 7) ENRUTAMIENTO DINÁMICO RIP
- 8) VLAN
- 9) CONFIGURACIÓN DE SWITCHES
- 10) REDES INALÁMBRICAS

⊕ PRACTICA 1



ROUTER>

Physical Config CLI Attributes

GLOBAL	
Settings	
Algorithm Settings	
ROUTING	
Static	
RIP	
SWITCHING	
VLAN Database	
INTERFACE	
FastEthernet0/0	
FastEthernet0/1	

FastEthernet0/1

Port Status On

Bandwidth 100 Mbps 10 Mbps Auto

Duplex Half Duplex Full Duplex Auto

MAC Address 0090.0CA6.0502

IP Configuration

IPv4 Address 192.168.1.254

Subnet Mask 255.255.255.0

Tx Ring Limit 10

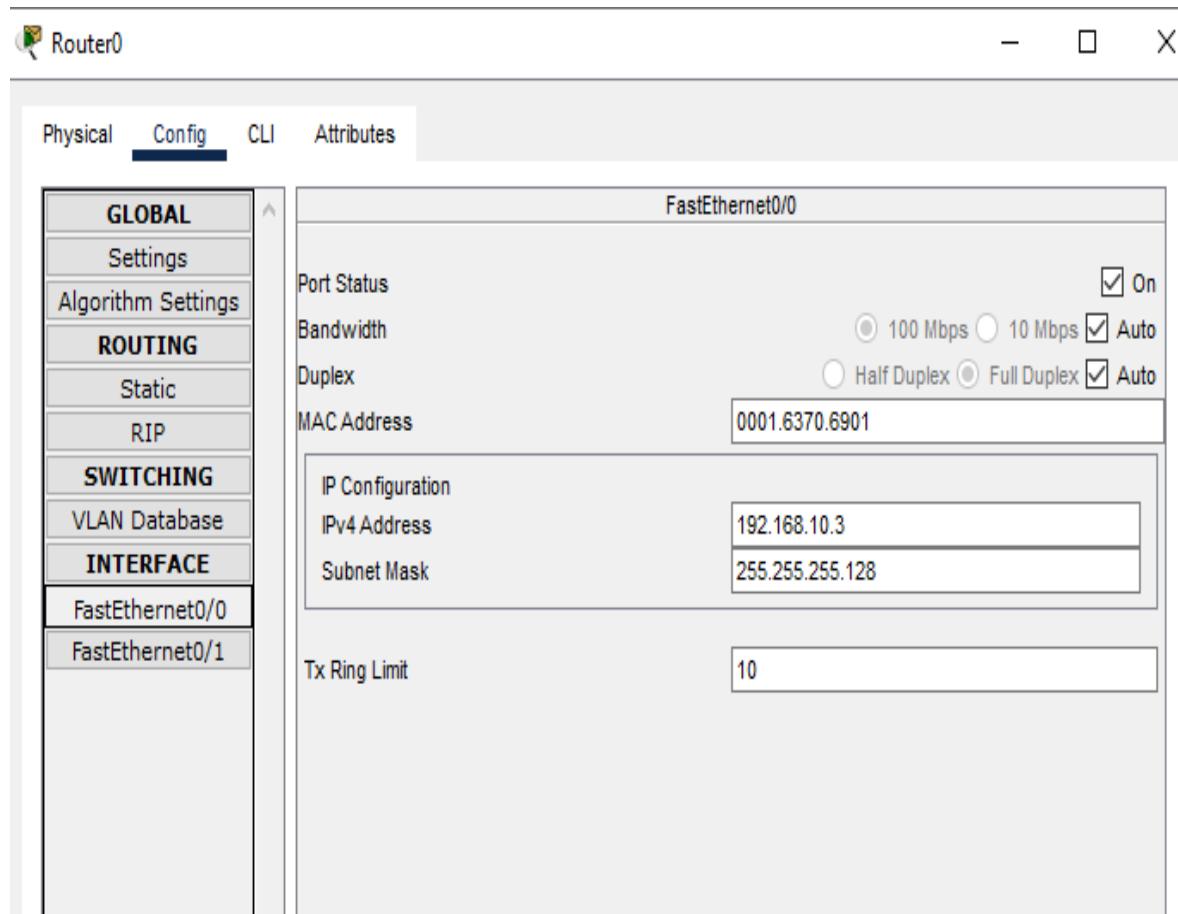
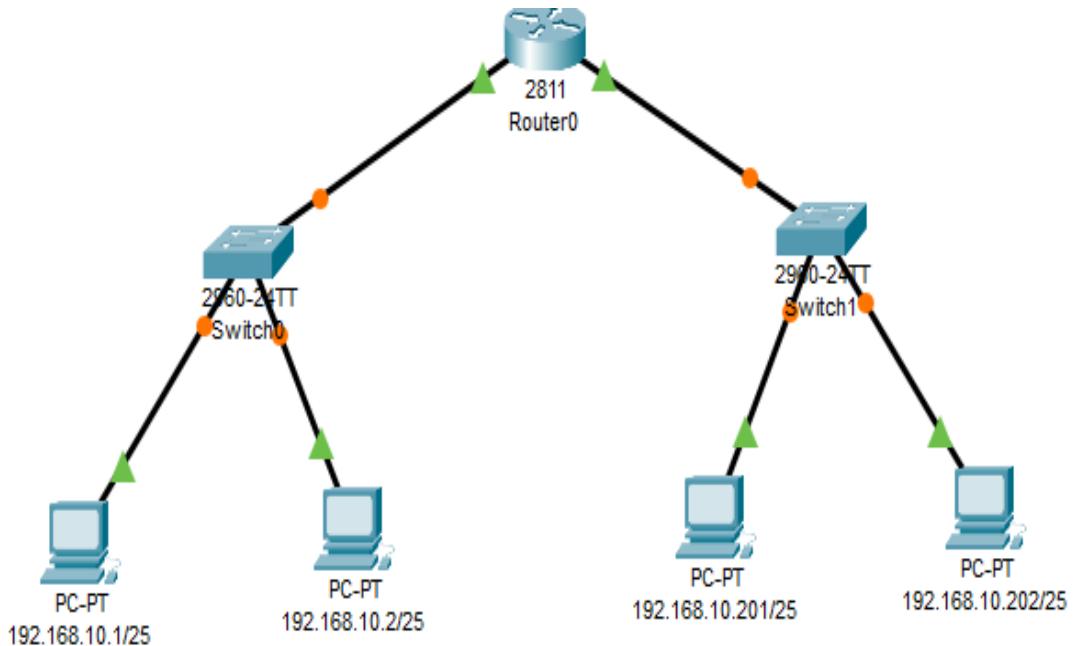
Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#

```

PRACTICA 2



Router0

Physical Config CLI Attributes

GLOBAL

Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1

FastEthernet0/1

Port Status On
 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

Bandwidth
Duplex
MAC Address 0001.6370.6902

IP Configuration
IPv4 Address 192.168.10.203
Subnet Mask 255.255.255.128

Tx Ring Limit 10

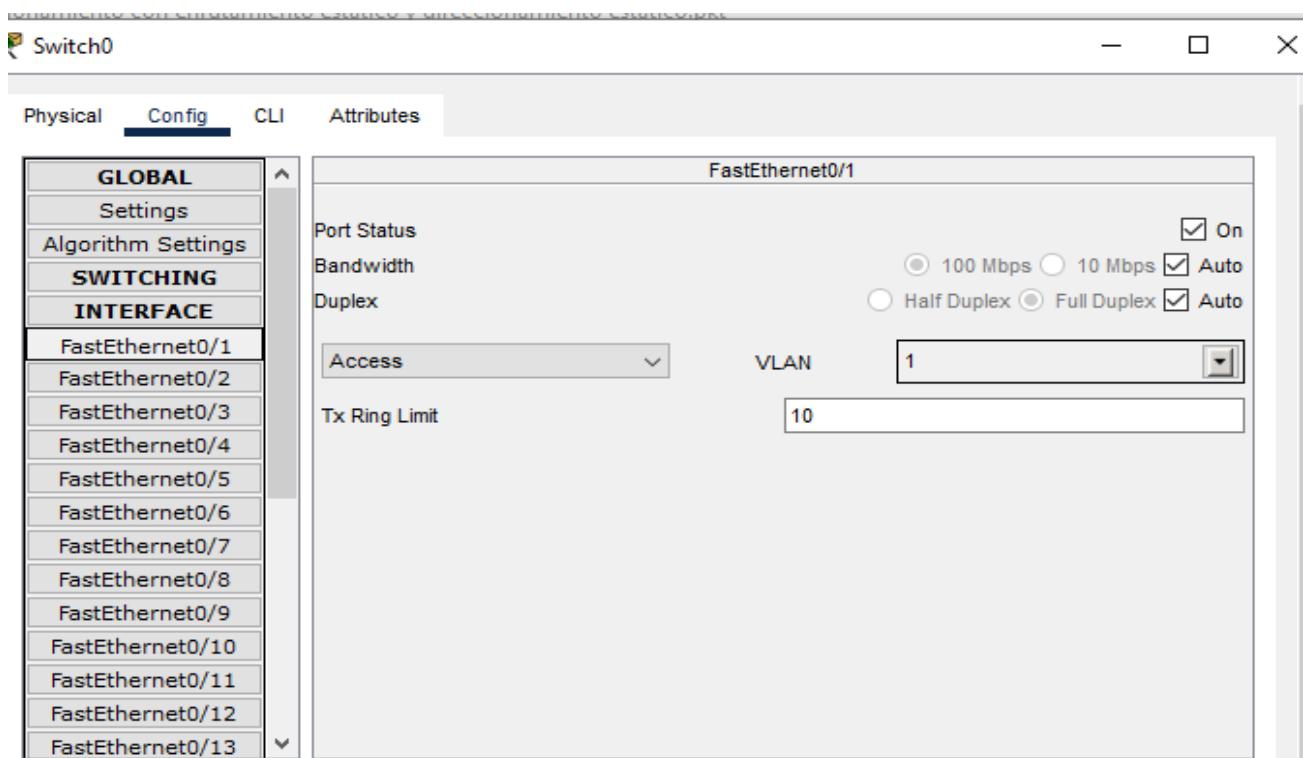
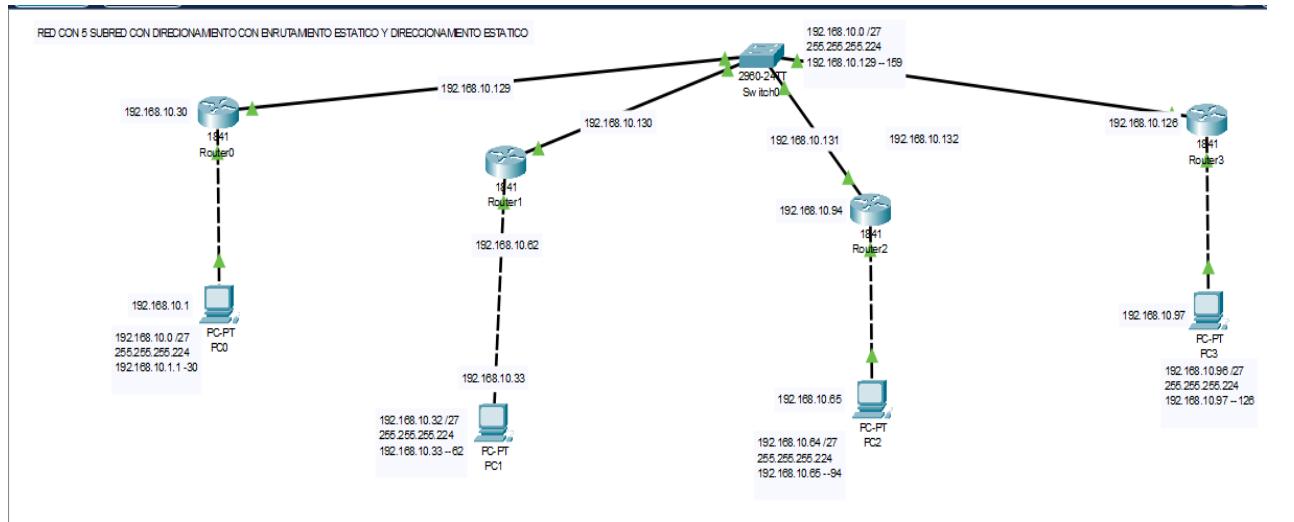
Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#

```

PRACTICA_3 RED CON 5 SUBRED CON DIRECCIONAMIENTO CON ENRUTAMIENTO ESTATICO Y DIRECCIONAMIENTO ESTATICO.



RouterU

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status On

Bandwidth Auto
 100 Mbps 10 Mbps

Duplex Auto
 Half Duplex Full Duplex

MAC Address 000D.BD18.C701

IP Configuration

IPv4 Address 192.168.10.30

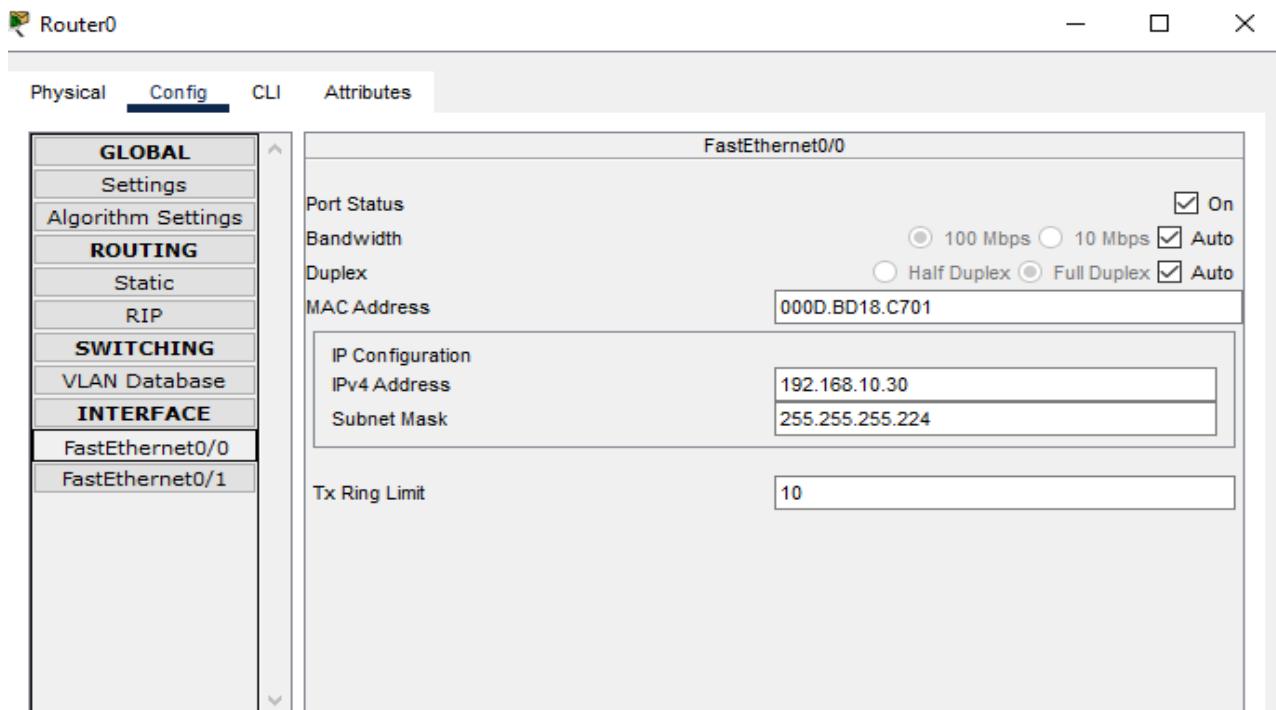
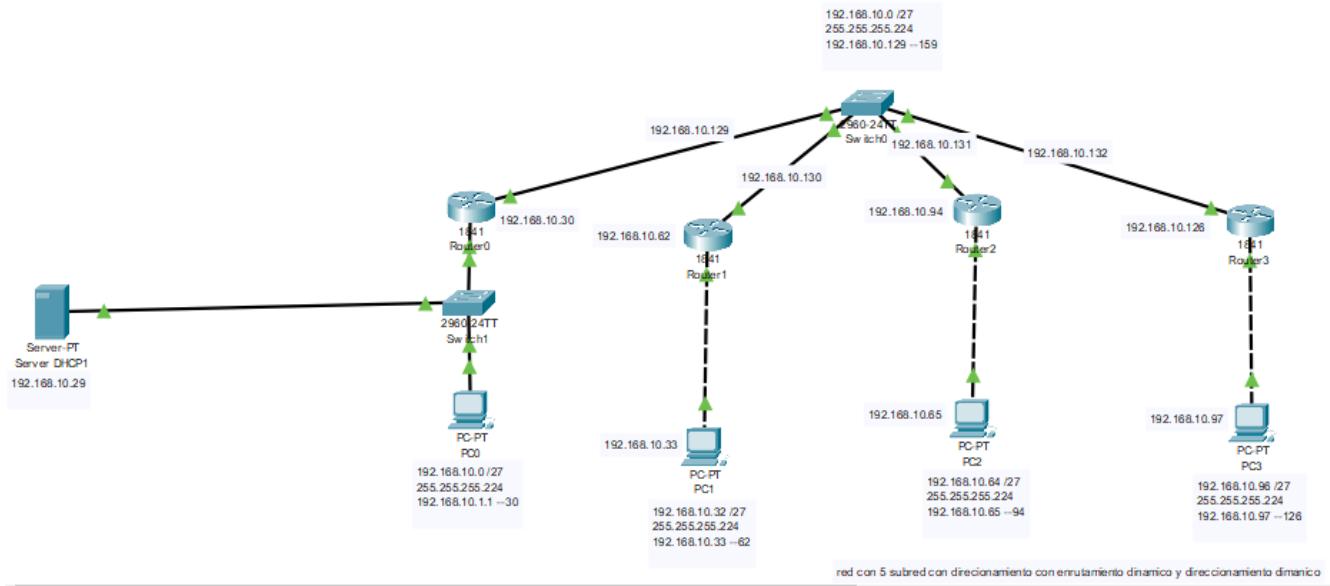
Subnet Mask 255.255.255.224

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
```

PRACTICA_4RED CON 5 SUBRED CON DIRECCIONAMIENTO CON ENRUTAMIENTO DINAMICO Y DIRECCIONAMIENTO DINAMICO



Router1

Physical Config CLI Attributes

GLOBAL

Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1

FastEthernet0/1

Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 0090.21A7.B602

IP Configuration
IPv4 Address 192.168.10.130
Subnet Mask 255.255.255.224

Tx Ring Limit 10

Equivalent IOS Commands

Press RETURN to get started.

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

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#+

Server DHCP1

Physical Config Services Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status On
 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

MAC Address 00E0.F9C0.2790

IP Configuration
 DHCP
 Static

IPv4 Address 192.168.10.19

Subnet Mask 255.255.255.0

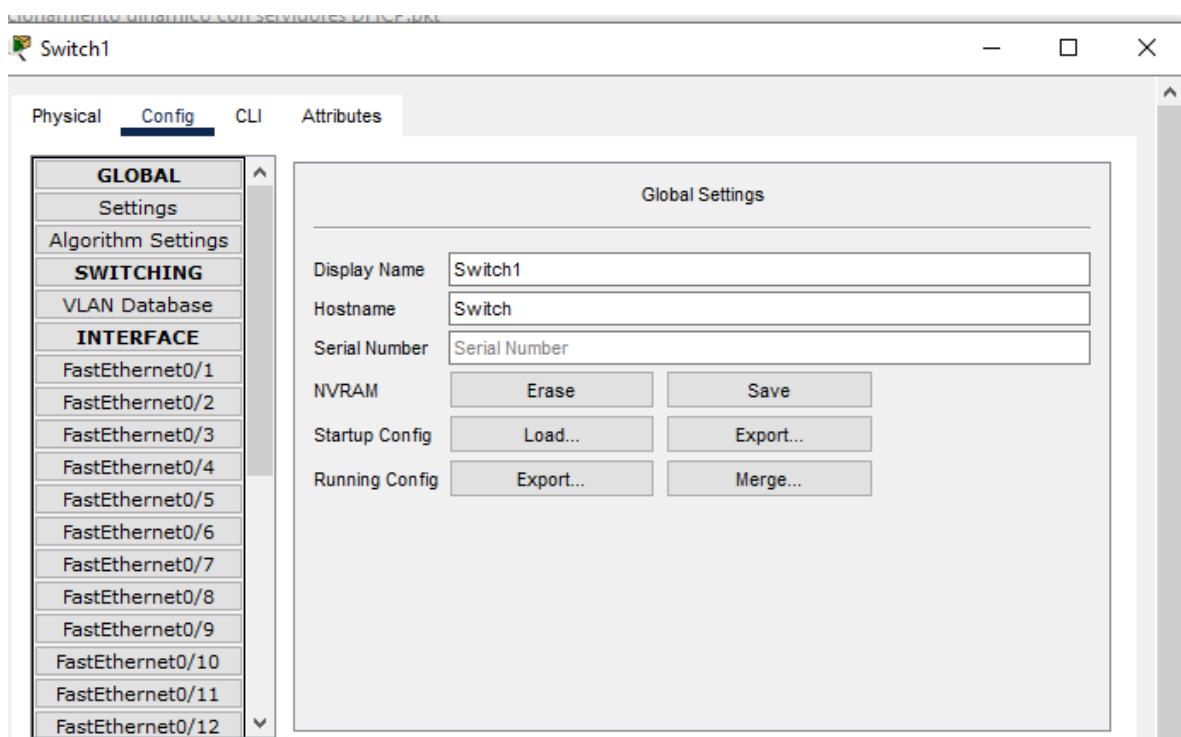
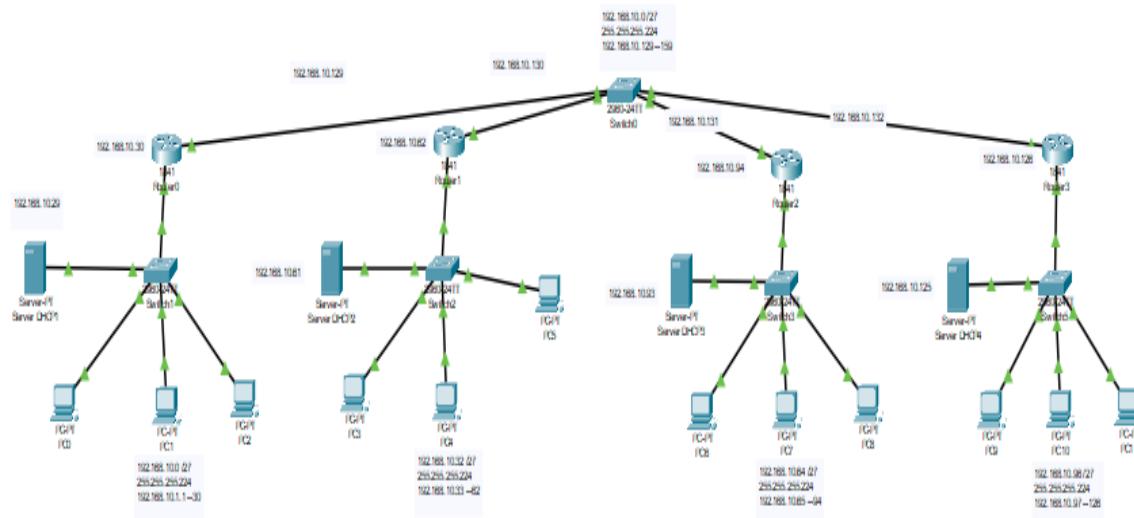
IPv6 Configuration
 Automatic
 Static

IPv6 Address

Link Local Address: FE80::2E0:F9FF:FEC0:2790

Top

PRACTICA_5 RED CON 5 SUBRED CON DIRECCIONAMIENTO CON ENRUTAMIENTO DINÁMICO Y DIRECCIONAMIENTO DINÁMICO DHCP



Router1

Physical Config CLI Attributes

GLOBAL

Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/0
FastEthernet0/1

FastEthernet0/0

Port Status On
Bandwidth 100 Mbps 10 Mbps Auto
Duplex Half Duplex Full Duplex Auto
MAC Address 0090.21A7.B601

IP Configuration
IPv4 Address 192.168.10.62
Subnet Mask 255.255.255.224

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

Router2

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status On
 100 Mbps 10 Mbps Auto

Bandwidth
 Half Duplex Full Duplex Auto

Duplex

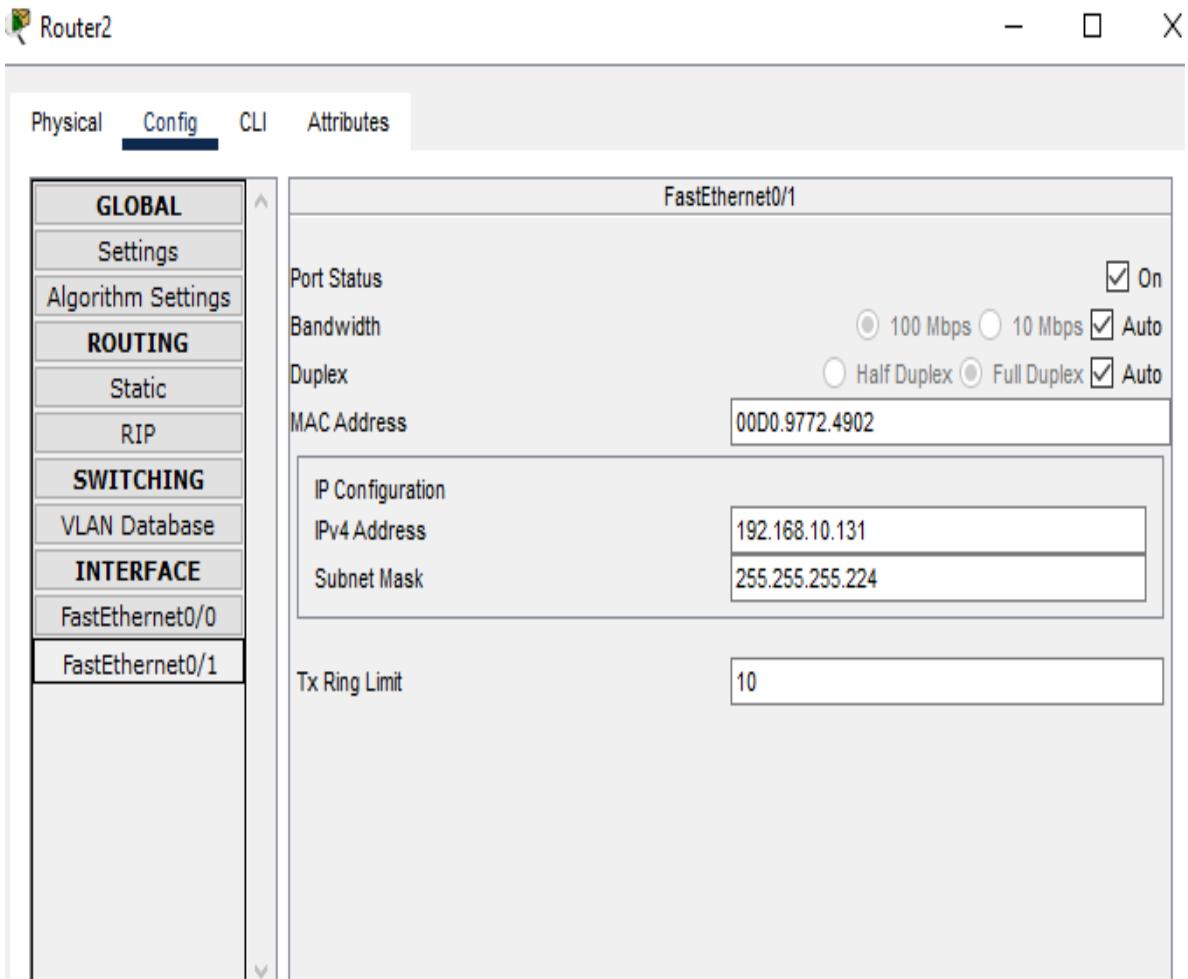
MAC Address 00D0.9772.4902

IP Configuration

IPv4 Address 192.168.10.131

Subnet Mask 255.255.255.224

Tx Ring Limit 10



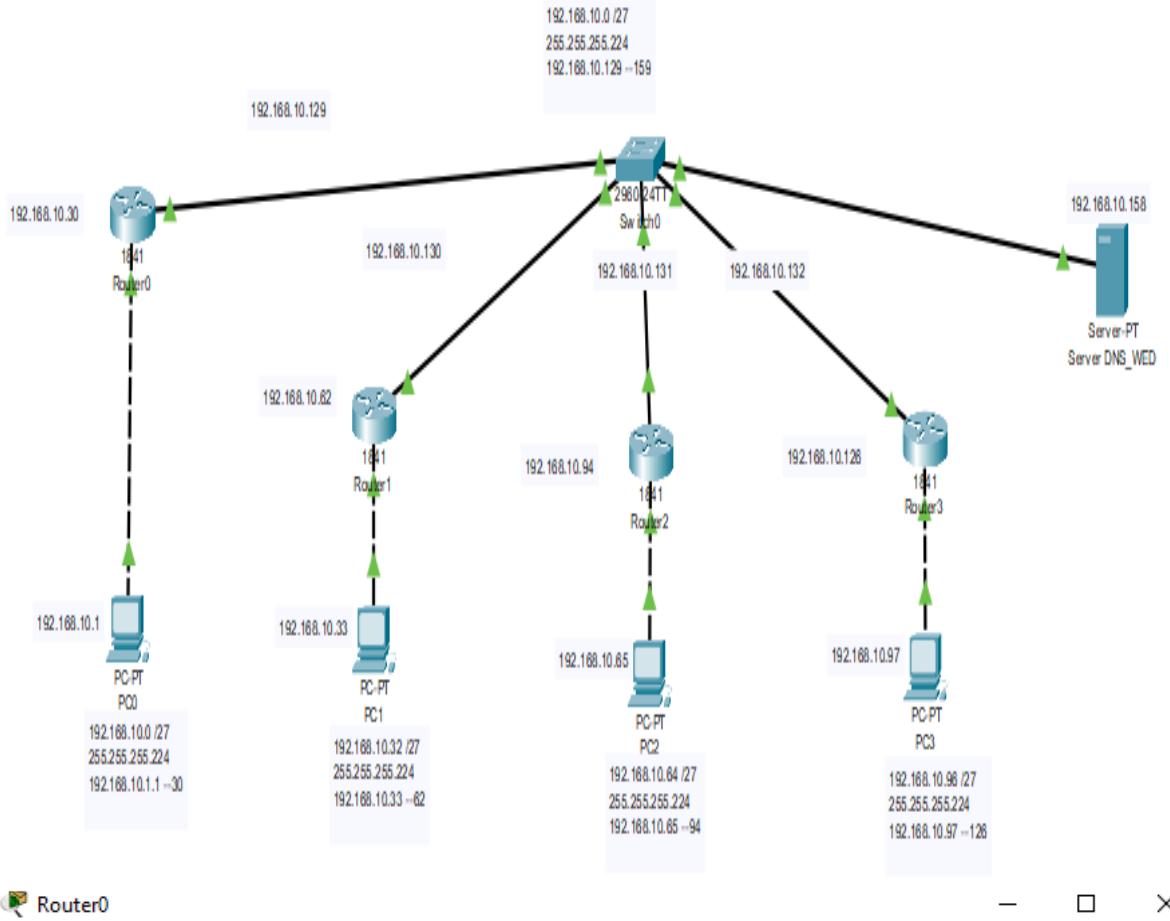
Equivalent IOS Commands

```
*LINEPROTO-5-UPDOWN: Line protocol on interface FastEthernet0/1, changed state to up
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#

```

PRACTICA_6 RED CON 5 SUBRED CON DIRECCIONAMIENTO ESTÁTICO Y ENRUTAMIENTO DINÁMICO CON SERVIDOR WEB DNS.



Router0 Configuration (Config Tab):

GLOBAL	
Settings	
Algorithm Settings	
ROUTING	
Static	
RIP	
SWITCHING	
VLAN Database	
INTERFACE	
FastEthernet0/0	
FastEthernet0/1	
FastEthernet0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="checkbox"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	000D.BD18.C701
IP Configuration	
IPv4 Address	192.168.10.30
Subnet Mask	255.255.255.224
Tx Ring Limit	
	10

Router1

- □ X

Physical Config CLI Attributes

GLOBAL

Settings
Algorithm Settings

ROUTING

Static
RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0
FastEthernet0/1

FastEthernet0/0

Port Status On
 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

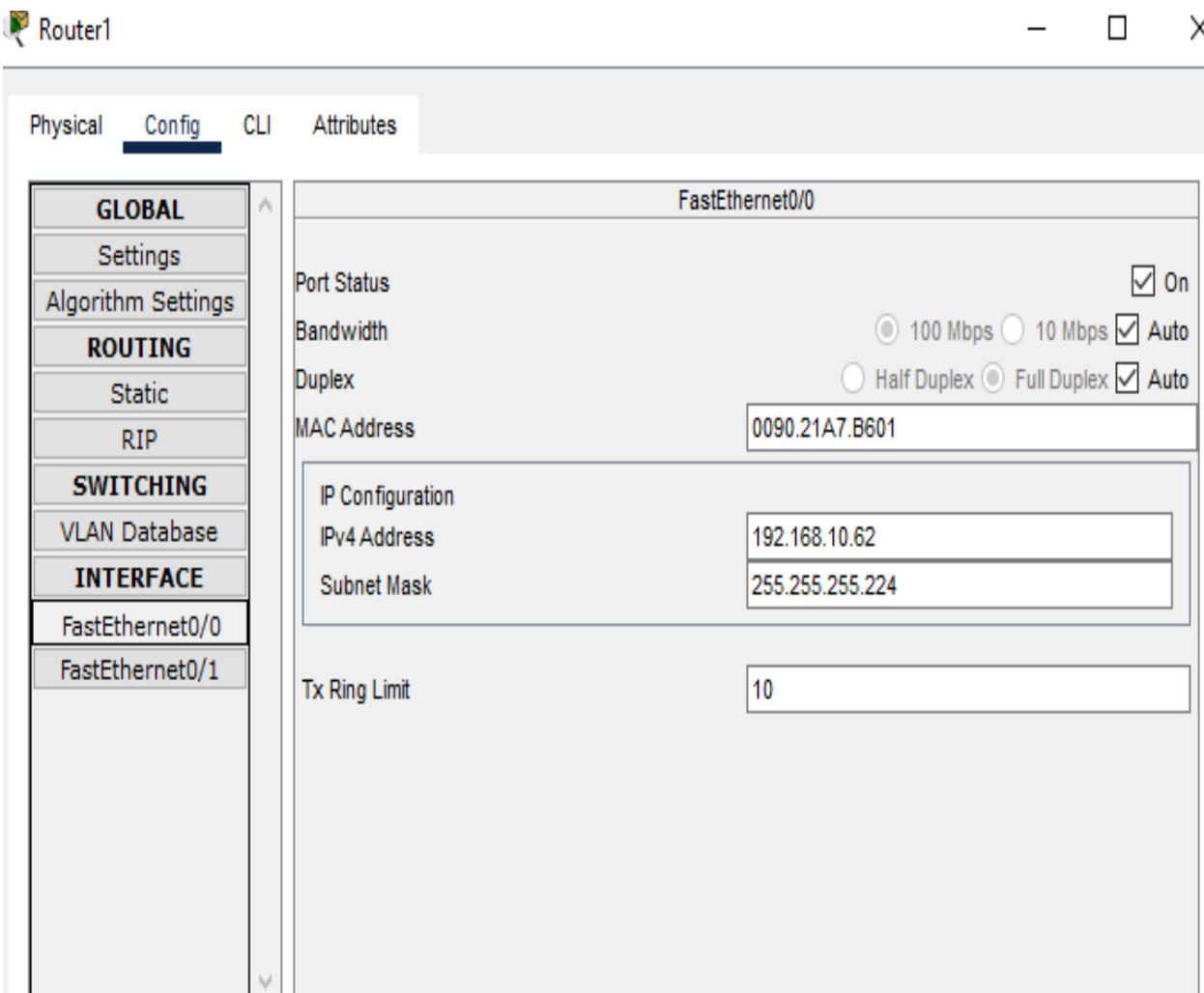
Duplex

MAC Address 0090.21A7.B601

IP Configuration

IPv4 Address 192.168.10.62
Subnet Mask 255.255.255.224

Tx Ring Limit 10



Equivalent IOS Commands

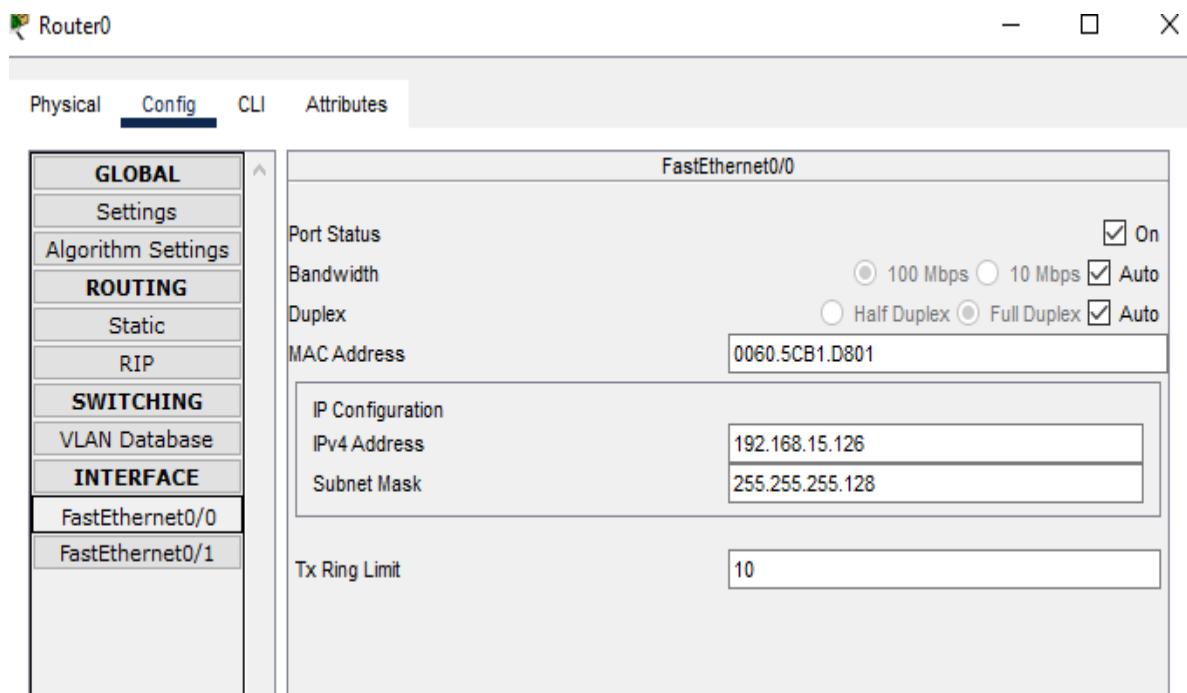
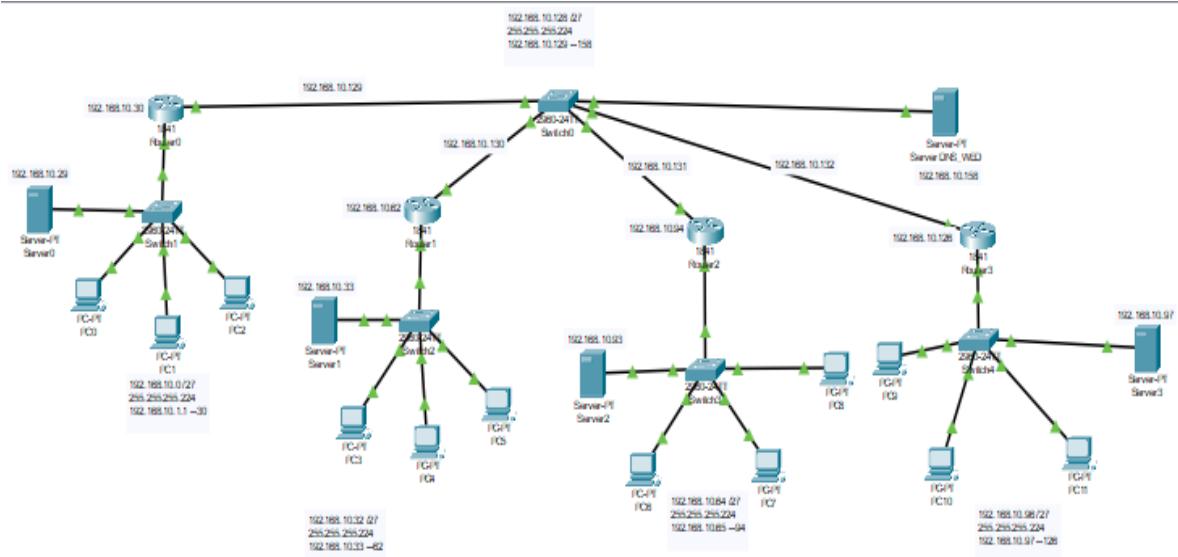
```
Press RETURN to get started.

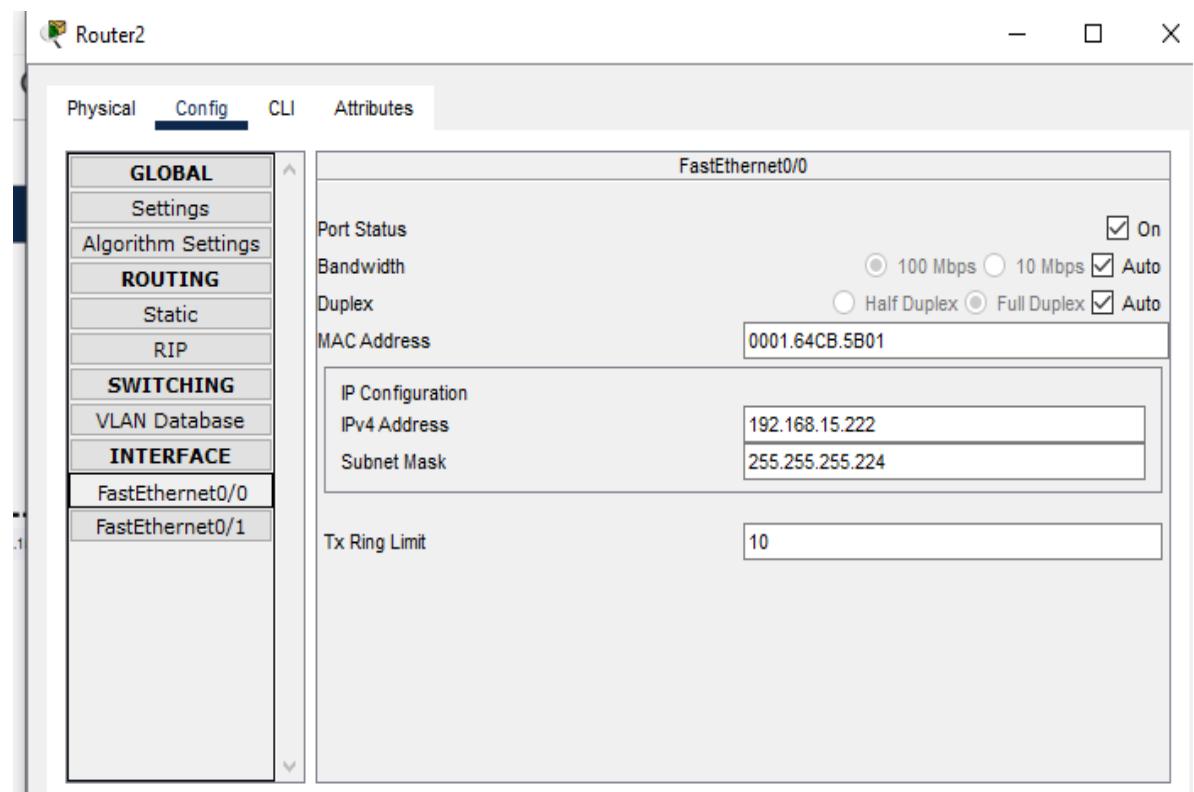
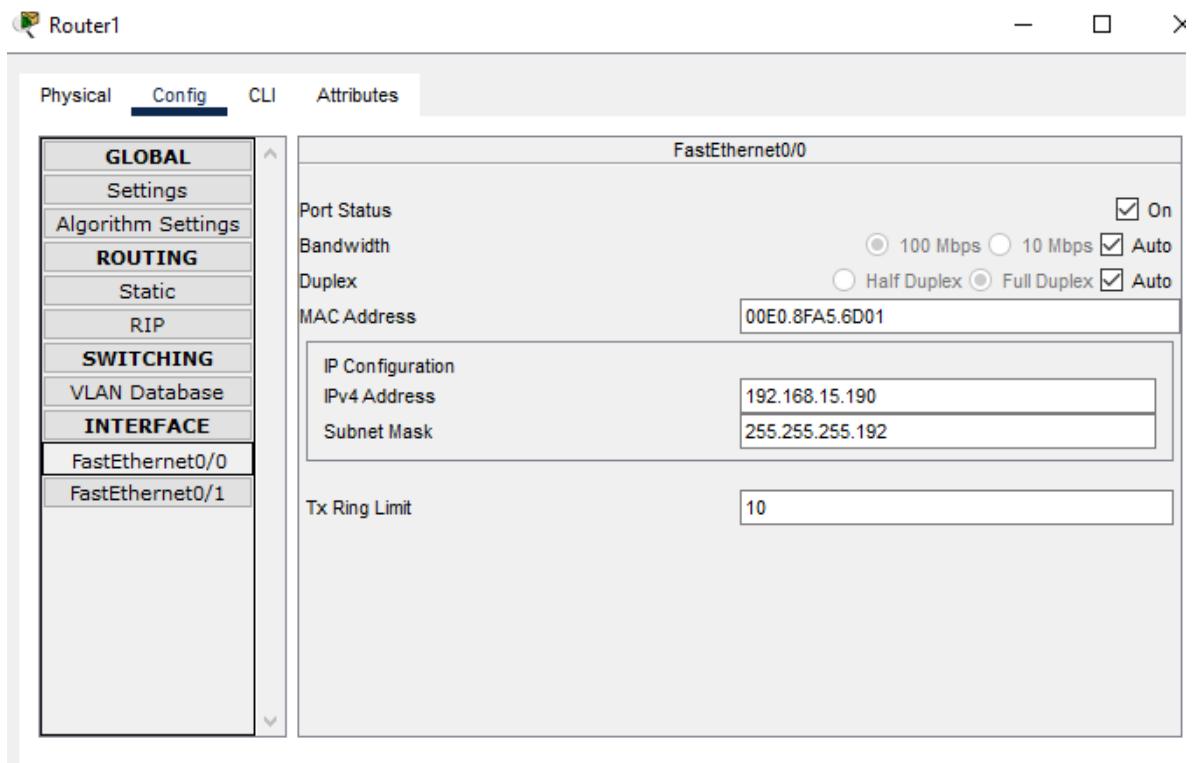
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#

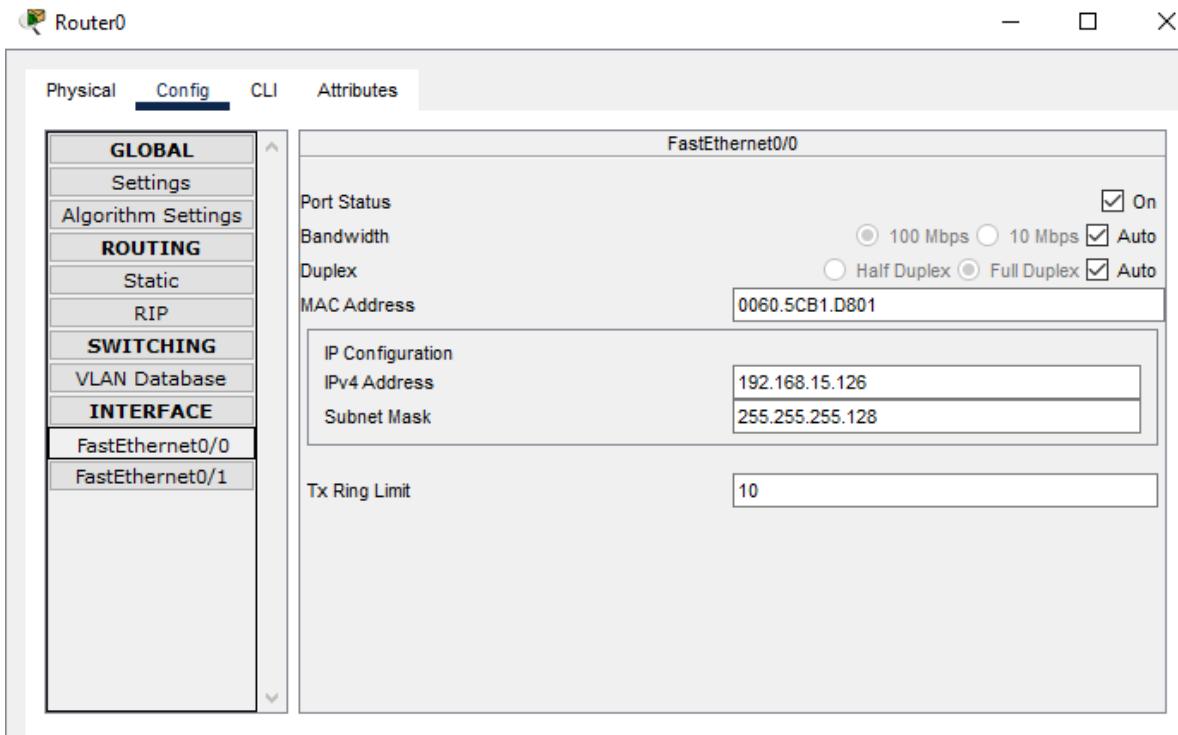
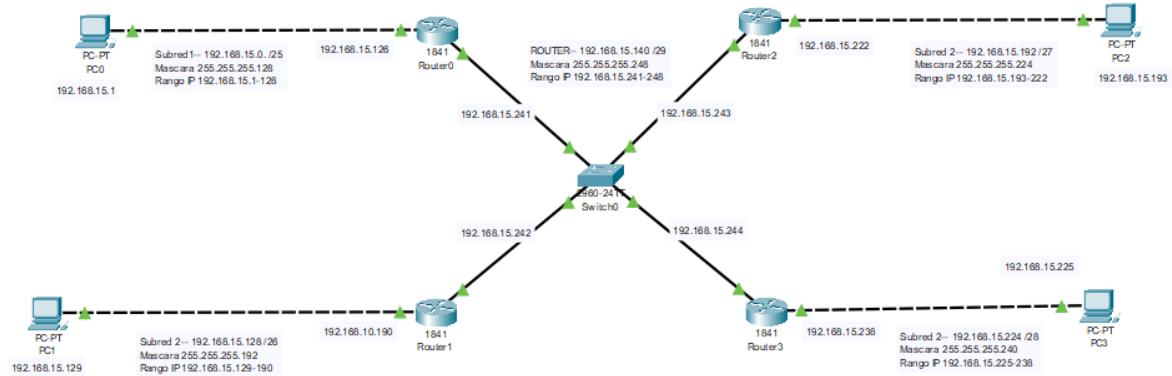
```

 **PRACTICA_7 RED CON 5 SUBRED CON DIRECCIONAMIENTO DINAMICO DHCP Y ENRUTAMIENTO DINAMICO CON SERVIDOR WEB DNS.**





⊕ PRACTICA_8 RED CON 5 SUBREDES CON VLMS Y DIRECCIONAMIENTO ESTATICO.



Router2

Physical Config CLI Attributes

GLOBAL	
Settings	
Algorithm Settings	
ROUTING	
Static	
RIP	
SWITCHING	
VLAN Database	
INTERFACE	
FastEthernet0/0	
FastEthernet0/1	

FastEthernet0/1

Port Status On
 100 Mbps 10 Mbps Auto

Bandwidth
 Half Duplex Full Duplex Auto

Duplex

MAC Address 0001.64CB.5B02

IP Configuration

IPv4 Address 192.168.15.243

Subnet Mask 255.255.255.248

Tx Ring Limit 10

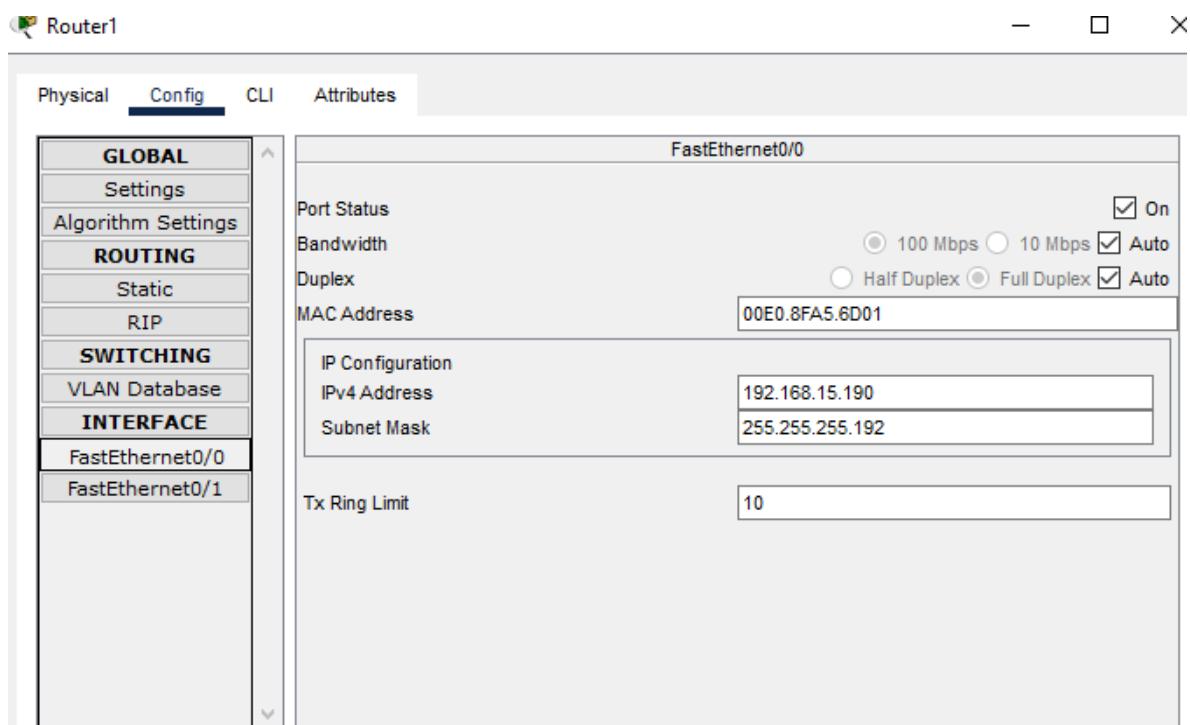
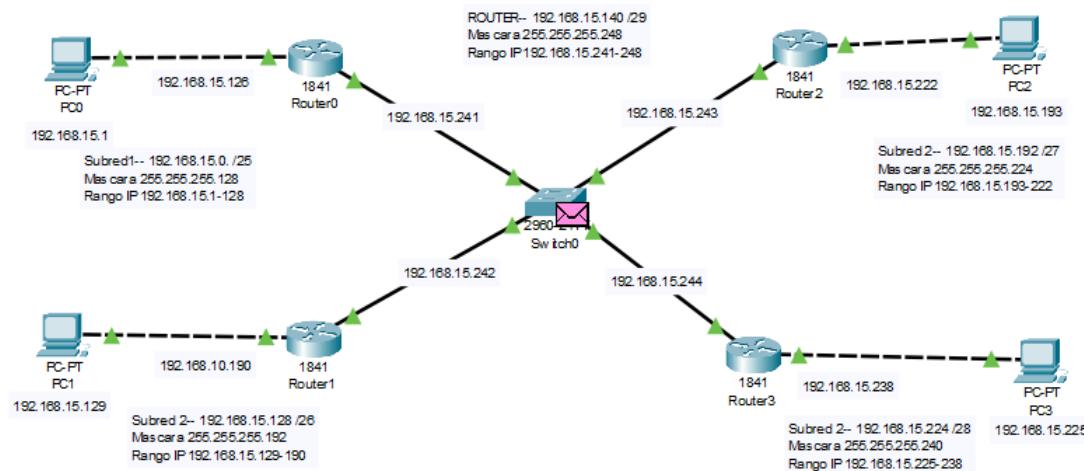
Equivalent IOS Commands

```
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
*LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#

```

■ PRACTICA_9 RED CON 5 SUBREDES CON VLMS Y DIRECCIONAMIENTO DINÁMICO.



Router3

Physical **Config** CLI Attributes

GLOBAL	
Settings	
Algorithm Settings	
ROUTING	
Static	
RIP	
SWITCHING	
VLAN Database	
INTERFACE	
FastEthernet0/0	
FastEthernet0/1	

FastEthernet0/1

Port Status On
 100 Mbps 10 Mbps Auto

Bandwidth
 Half Duplex Full Duplex Auto

Duplex

MAC Address 0030.A328.3A02

IP Configuration

IPv4 Address 192.168.15.244

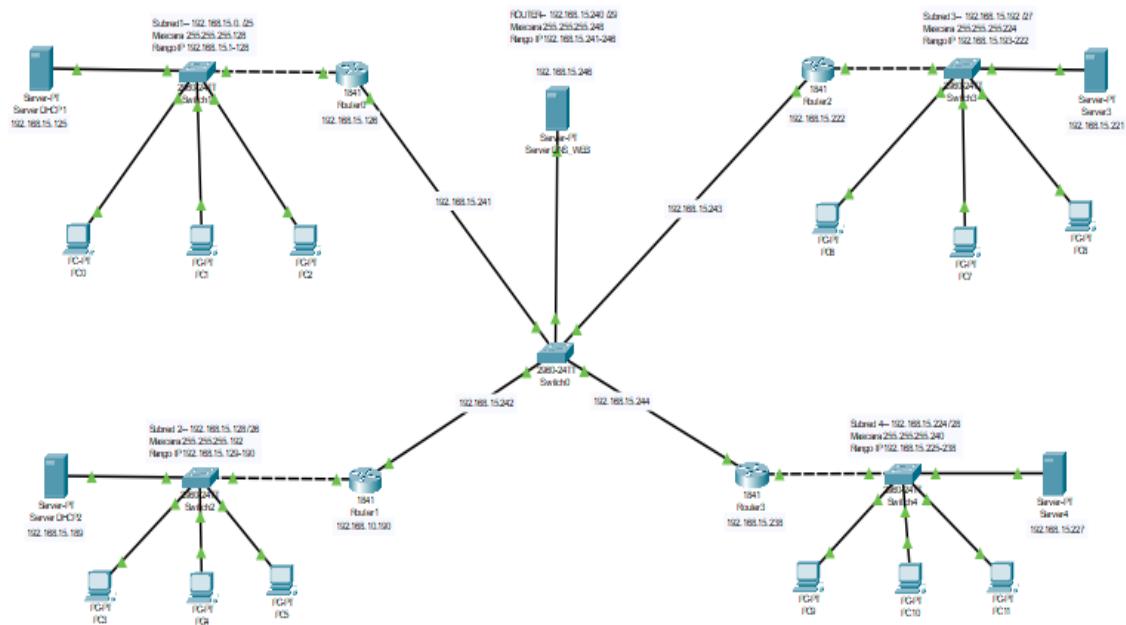
Subnet Mask 255.255.255.248

Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
```

PRACTICA_10 RED CON 5 SUBREDES CON VLMS Y DIRECCIONAMIENTO DINÁMICO.



Router0

Physical	Config	CLI	Attributes
GLOBAL Settings Algorithm Settings ROUTING Static RIP SWITCHING VLAN Database INTERFACE FastEthernet0/0 FastEthernet0/1	FastEthernet0/0 Port Status <input checked="" type="checkbox"/> On Bandwidth <input type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto Duplex <input type="radio"/> Half Duplex <input checked="" type="checkbox"/> Full Duplex <input checked="" type="checkbox"/> Auto MAC Address 00E0.5CB1.D801 IP Configuration IPv4 Address 192.168.15.126 Subnet Mask 255.255.255.128 Tx Ring Limit 10		

Kouter

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0 FastEthernet0/1

FastEthernet0/0

FastEthernet0/1

Port Status

Bandwidth

Duplex

MAC Address

IP Configuration

IPv4 Address: 192.168.15.190

Subnet Mask: 255.255.255.192

Tx Ring Limit: 10

On 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#

```

Server DNS_WEB

Physical Config Services Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status

Bandwidth

Duplex

MAC Address: 00E0.8FA5.6D01

IP Configuration

DHCP Static

IPv4 Address: 192.168.15.246

Subnet Mask: 255.255.255.248

IPv6 Configuration

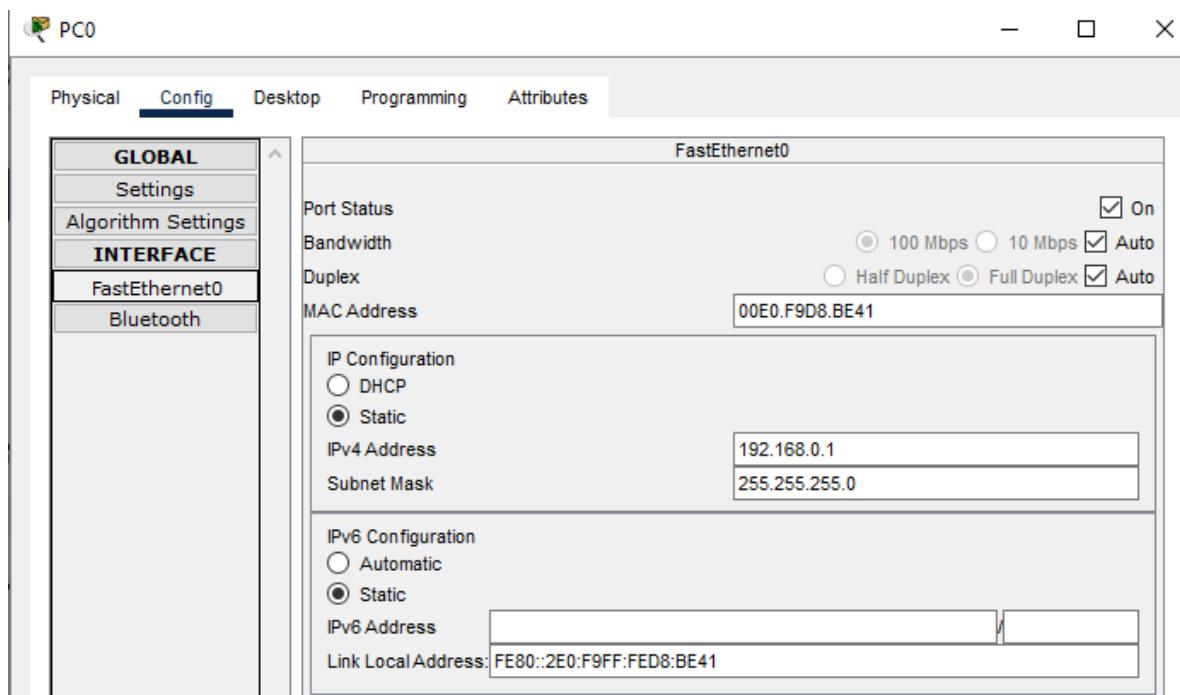
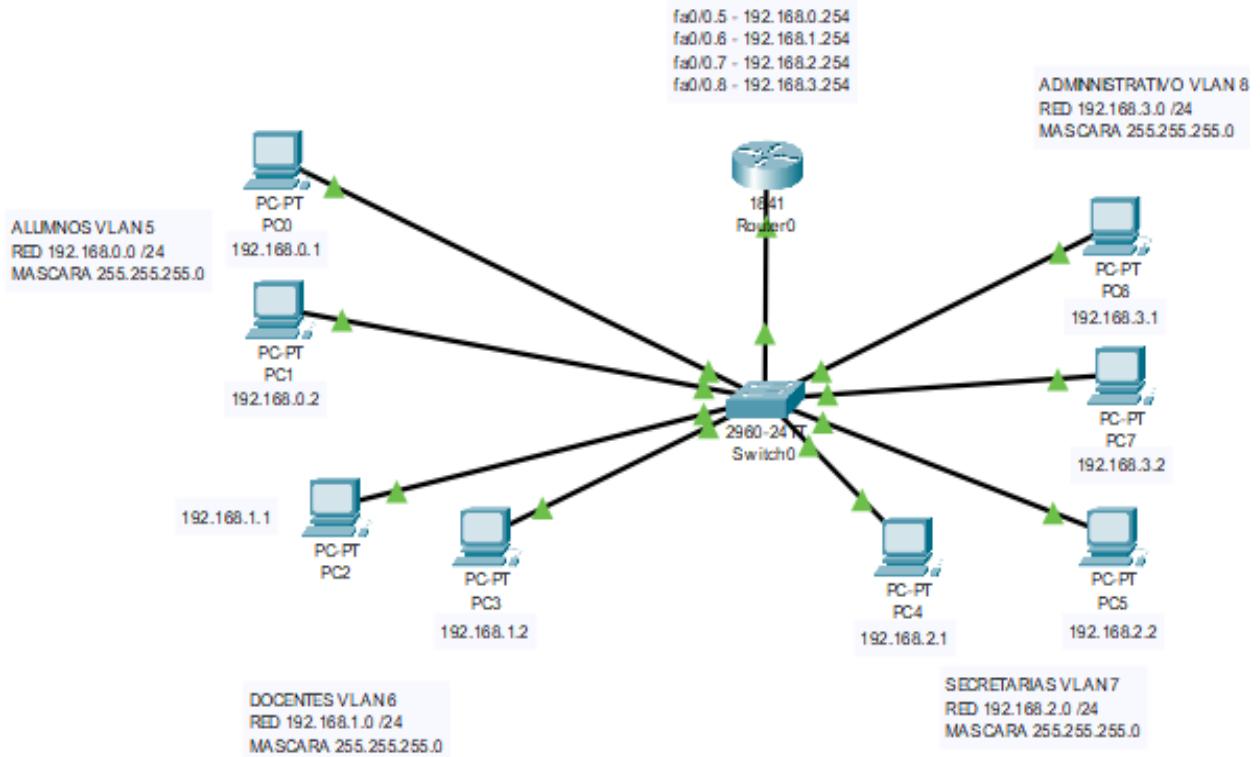
Automatic Static

IPv6 Address: FE80::260:5CFF:FE7D:AA55

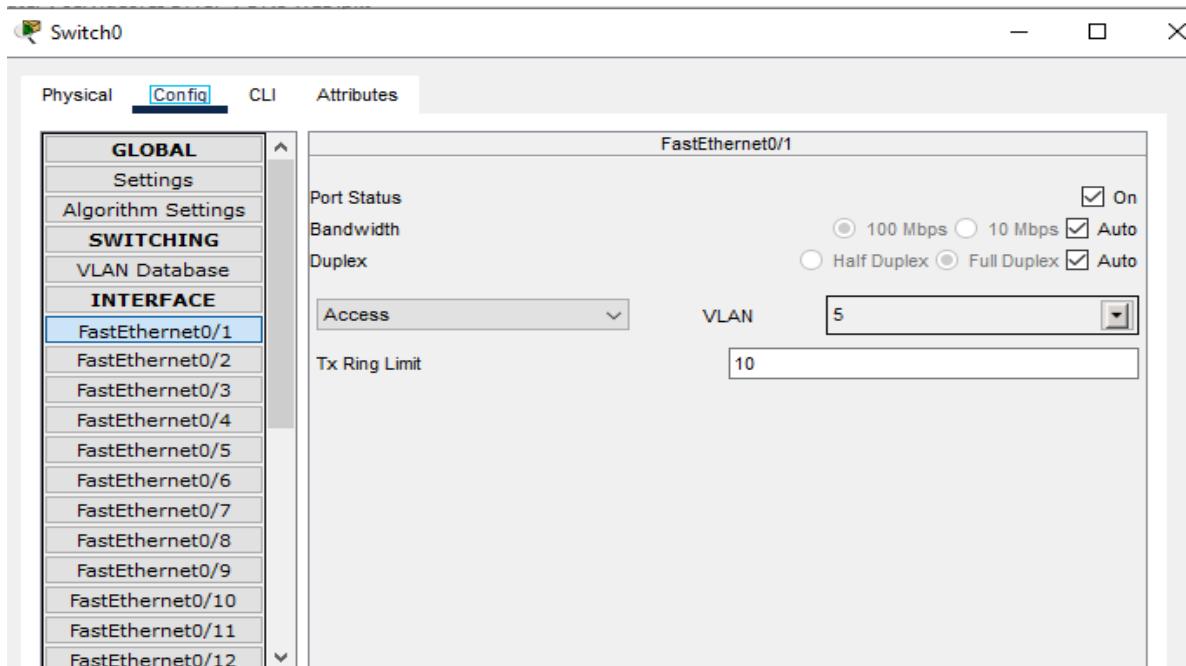
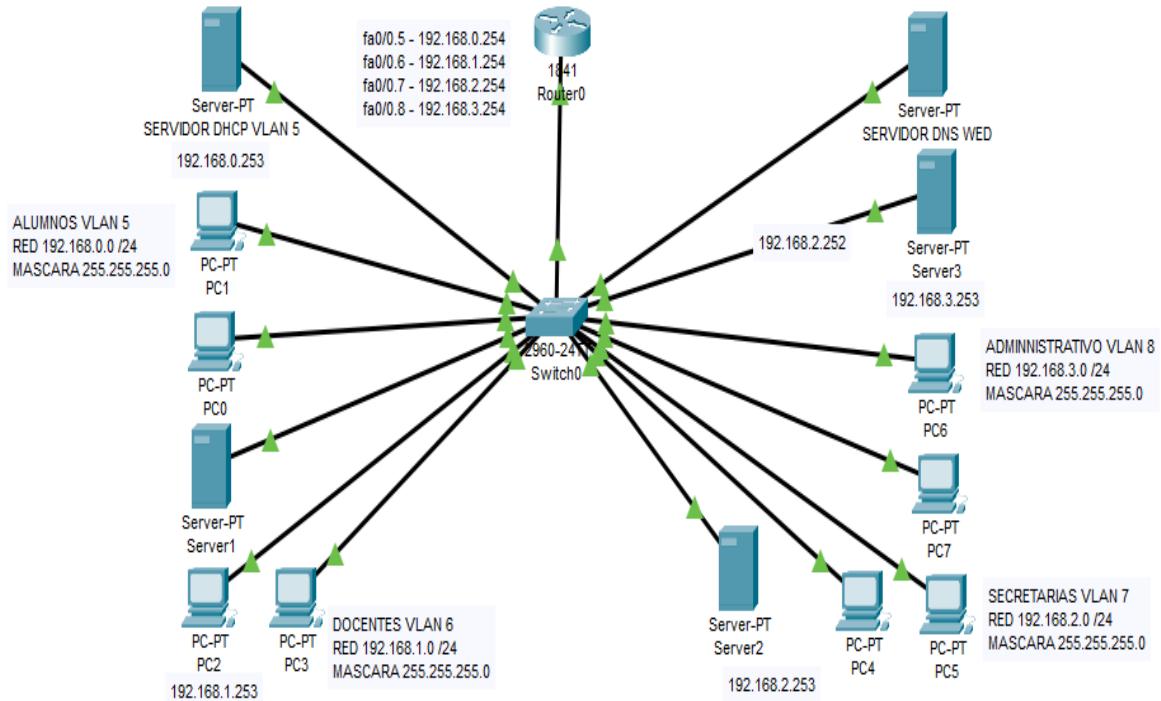
Link Local Address: FE80::260:5CFF:FE7D:AA55

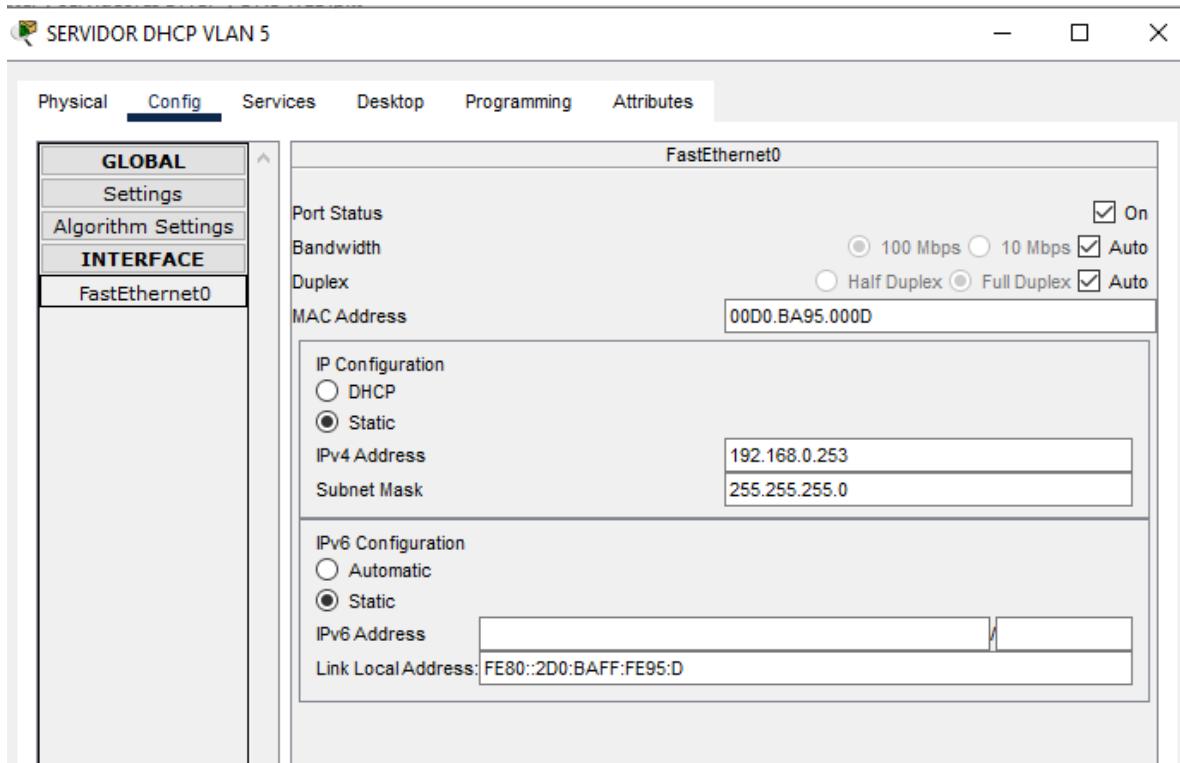
On 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

PRACTICA_11 RED CON 4 VLAN Y UN ROUTER.

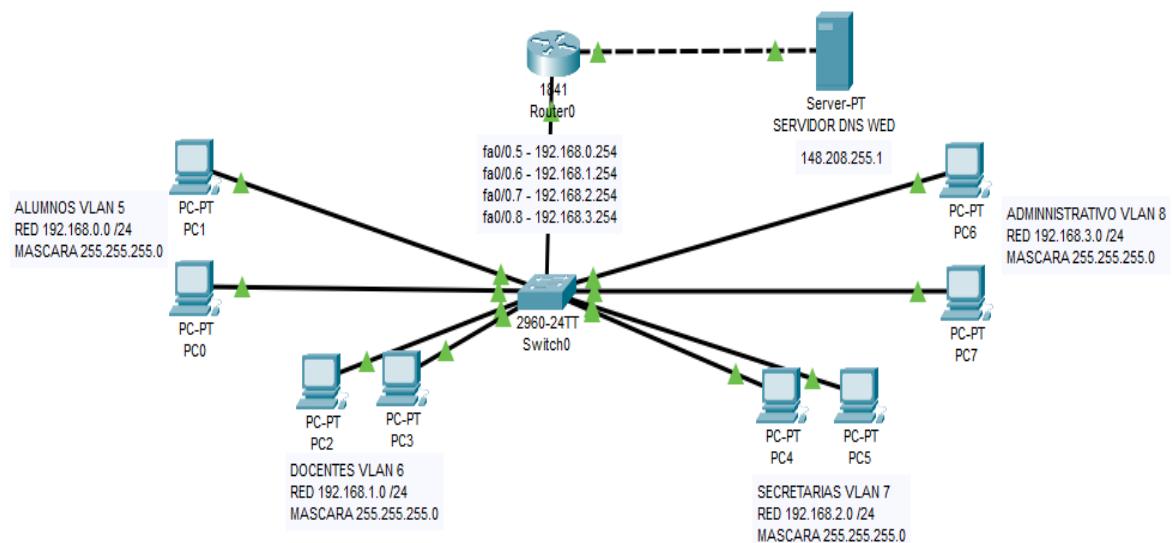


PRACTICA_12 RED CON 4 VLAN Y UN ROUTER Y SERVIDORES DHCP Y DNS WED.





PRACTICA_13 RED CON 4 VLAN Y UN ROUTER Y SERVIDORES DHCP Y DNS WED.



Router0

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status On
 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

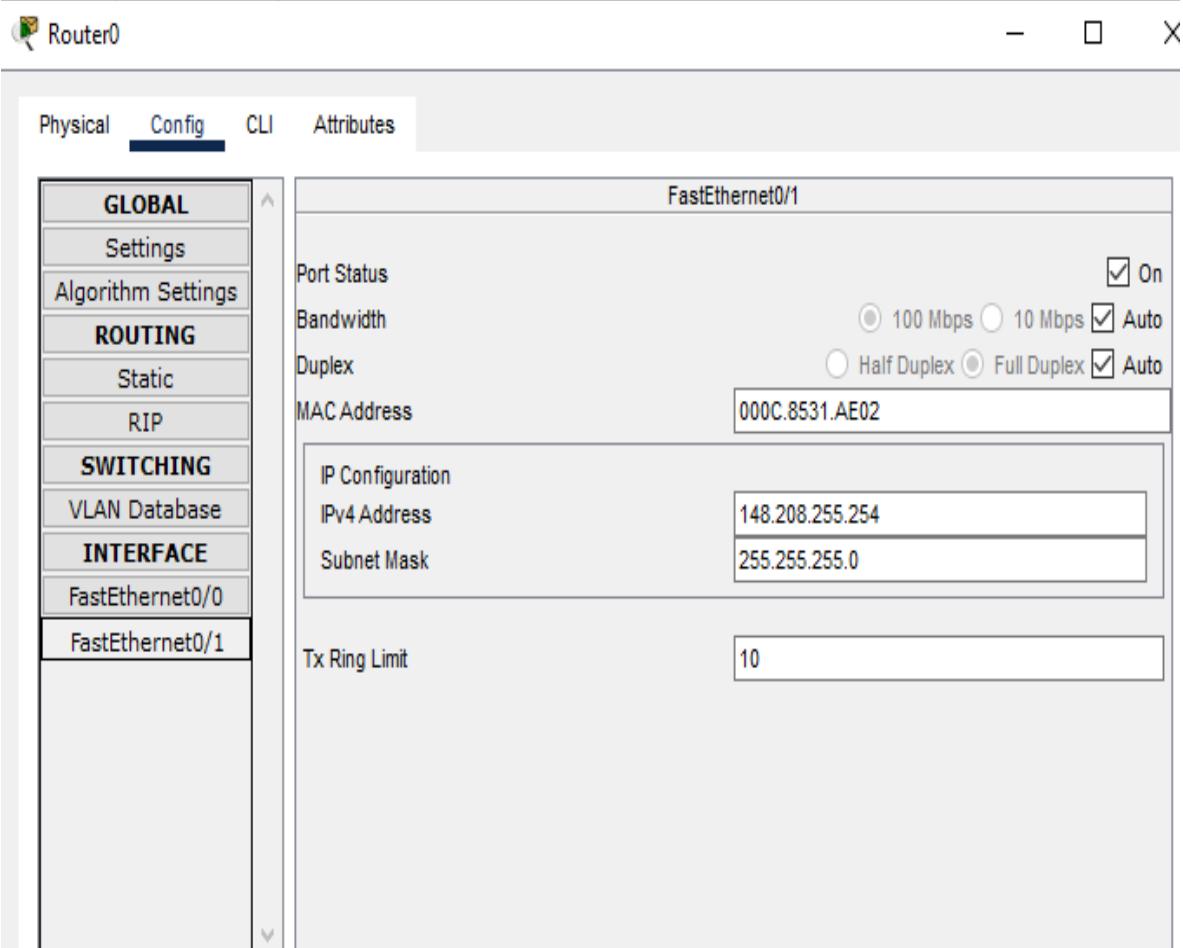
MAC Address 000C.8531.AE02

IP Configuration

IPv4 Address 148.208.255.254

Subnet Mask 255.255.255.0

Tx Ring Limit 10



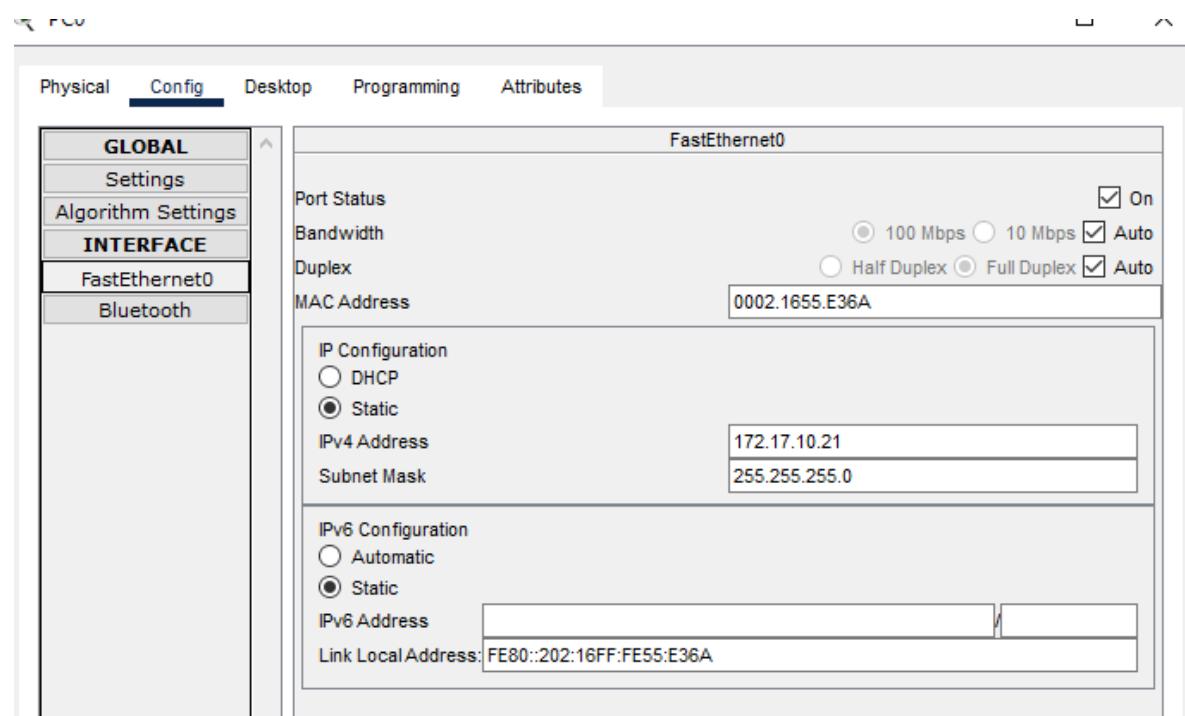
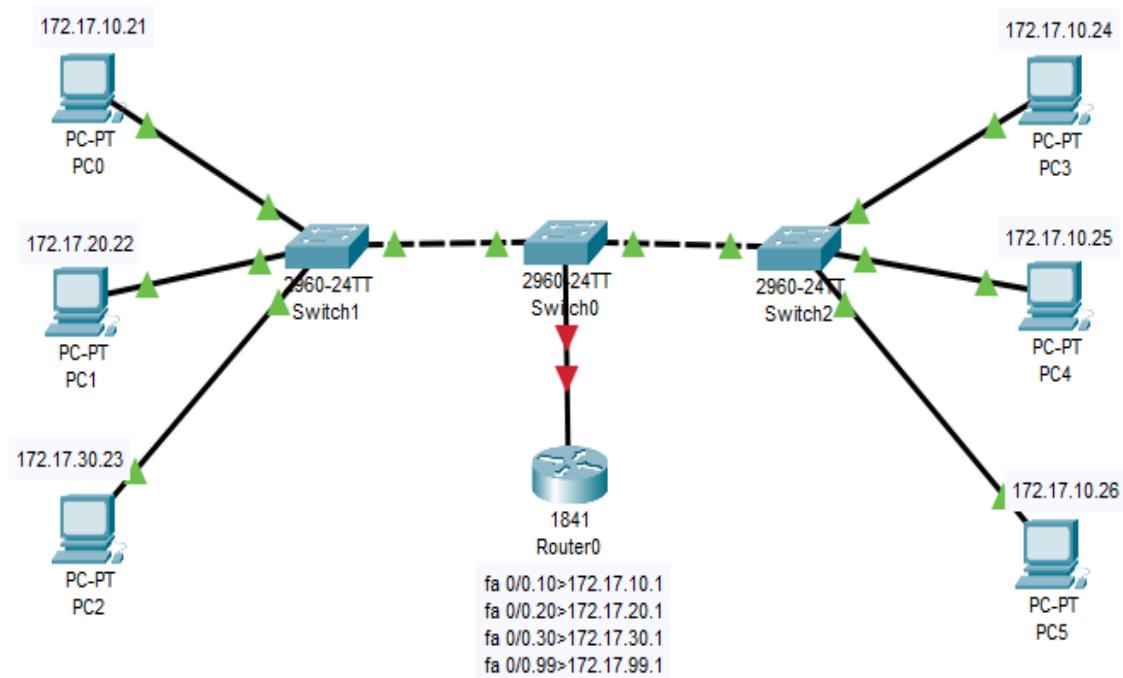
Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.7, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.8, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#

```

PRACTICA_14 RED CON TRES VLANS Y ENLACES TRONCALES.



PC1

Physical Config Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status On
 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

Bandwidth

Duplex

MAC Address 0050.0F2C.147A

IP Configuration
 DHCP
 Static

IPv4 Address 172.17.20.22

Subnet Mask 255.255.255.0

IPv6 Configuration
 Automatic
 Static

IPv6 Address

Link Local Address: FE80::250:FFF:FE2C:147A

PC4

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

DHCP Static

IPv4 Address 172.17.20.25

Subnet Mask 255.255.255.0

Default Gateway 172.17.20.1

DNS Server 0.0.0.0

IPv6 Configuration

Automatic Static

IPv6 Address

Link Local Address: FE80::201:96FF:FE1A:84AC

Default Gateway

DNS Server

802.1X

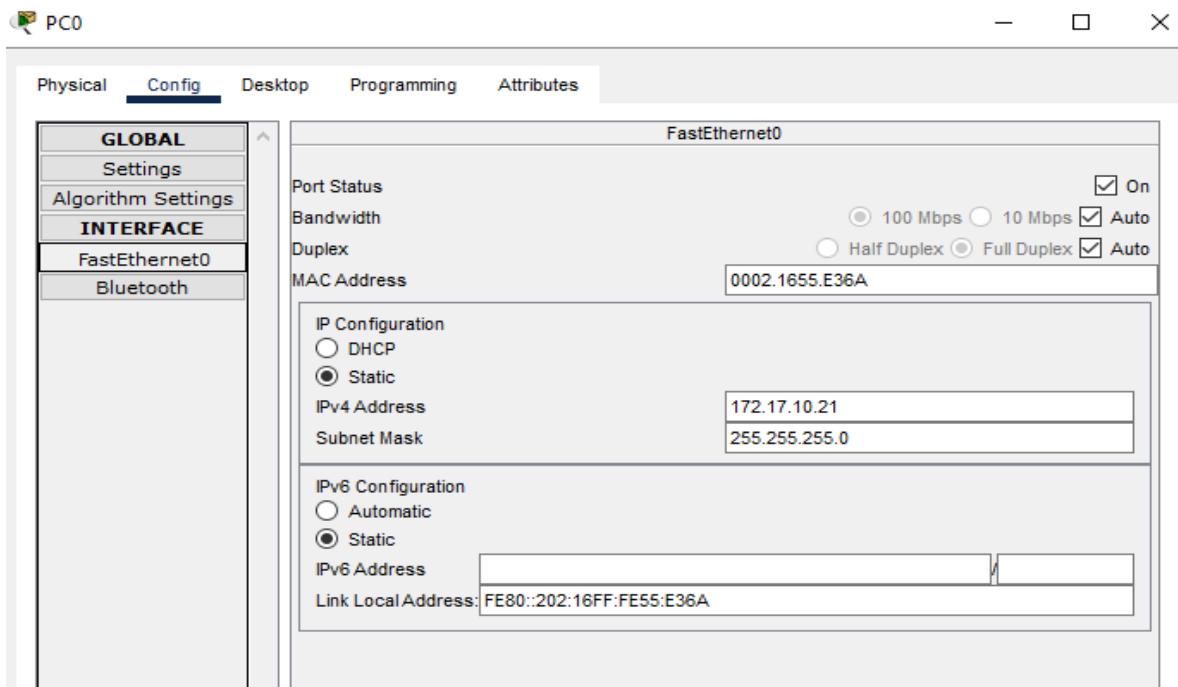
Use 802.1X Security

Authentication MD5

Username

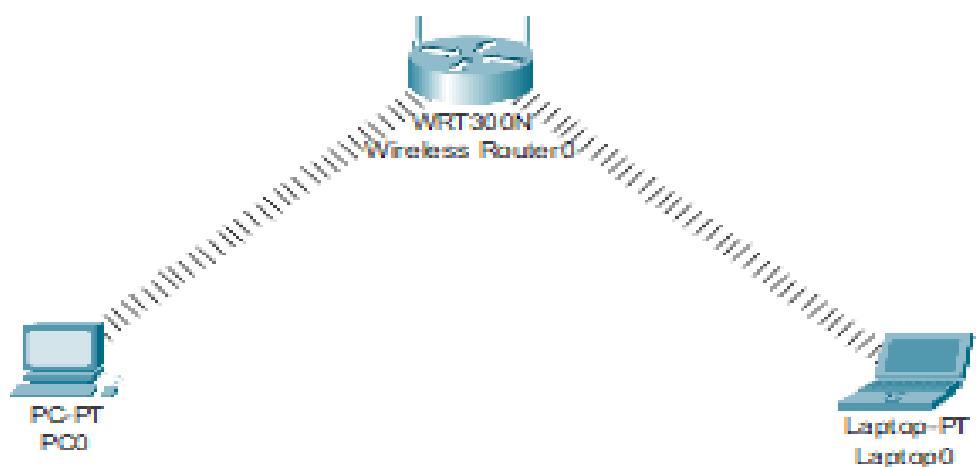
Password

Top



✚ PRACTICA_15 RED WLAN CON UN AP ROUTER Y DOS EQUIPOS.

RED WLAN CON UN AP ROUTER Y DOS EQUIPOS



Wireless Router0

Physical Config **GUI** Attributes

Wireless-N Broadband Router

Firmware Version: v0.93.3

Setup	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Wireless-N Broadband Router	WRT300N	Status
	Basic Setup	DDNS		MAC Address Clone				Advanced Routing

Internet Setup

Internet Connection type: Automatic Configuration - DHCP

Host Name:

Domain Name:

MTU: Size:

Network Setup

Router IP: IP Address: Subnet Mask:

DHCP Server Settings: Enabled Disabled DHCP Reservation

Start IP Address: Maximum number of Users:

IP Address Range: 192.168.10.100-140

Help...

Link Information **Connect** **Profiles**

Below is a list of available wireless networks. To search for more wireless networks, click the Refresh button. To view more information about a network, select the wireless network name. To connect to that network, click the Connect button below.

Wireless Network Name	CH	Signal
APRPrueba	1	100%

Site Information

Wireless Mode: Infrastructure
 Network Type: Mixed B/G/N
 Radio Band: Auto
 Security: Disable
 MAC Address: 00E0.5C81.1606

Refresh Connect

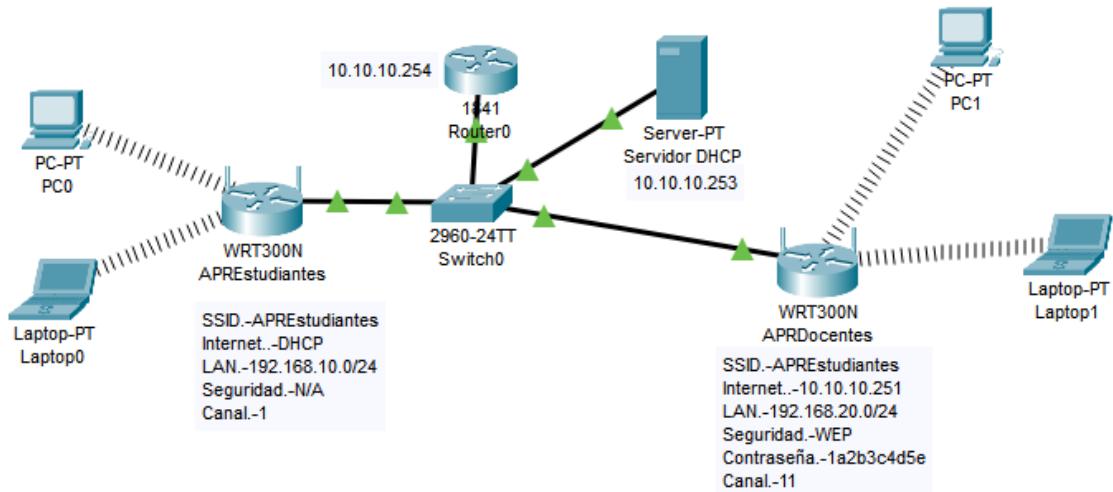
2.4GHz



Adapter is Active

Wireless-N Notebook Adapter **Wireless Network Monitor v1.0** Model No. **WPC300N**

PRACTICA_16 RED WLAN CON 2 APR,1 ROUTER Y 1 SERVIDOR.



APRDocentes

Physical Config **GUI** Attributes

Wireless-N Broadband Router

Firmware Version: v

Setup	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Wireless-N Broadband Router	WRT300 Status
Internet Setup	Basic Setup	DDNS			MAC Address Clone	Administration	Advanced Routing
Internet Connection type	Static IP	Help...					
	Internet IP Address: 10 . 10 . 10 . 251						
	Subnet Mask: 255 . 255 . 255 . 0						
	Default Gateway: 10 . 10 . 10 . 254						
	DNS 1: 10 . 10 . 10 . 252						
	DNS 2 (Optional): 0 . 0 . 0 . 0						
	DNS 3 (Optional): 0 . 0 . 0 . 0						
Optional Settings (required by some internet service providers)	Host Name:						
	Domain Name:						
	MTU: 1500	Size:	1500				
Network Setup	IP Address: 192 . 168 . 20 . 1						

[Physical](#) [Config](#) [Desktop](#) [Programming](#) [Attributes](#)

X

[Link Information](#) [Connect](#) [Profiles](#)

Below is a list of available wireless networks. To search for more wireless networks, click the **Refresh** button. To view more information about a network, select the wireless network name. To connect to that network, click the **Connect** button below.

Wireless Network Name	CH	Signal
APREstudiantes	1	87%
APRDocentes	11	100%

Site Information

Wireless Mode: Infrastructure
Network Type: Mixed B/G/N
Radio Band: Auto
Security: Disable
MAC Address: 00A41C1.C806

[Refresh](#) [Connect](#)

2.4GHz



Adapter is Active

Wireless-N Notebook Adapter Wireless Network Monitor v1.0 Model No. WPC300N



- □ X

Physical Config Desktop Programming Attributes

IP Configuration

X

Interface

IP Configuration

DHCP

Static

DHCP request successful.

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

IPv6 Configuration

Automatic

Static

Ipv6 request failed.

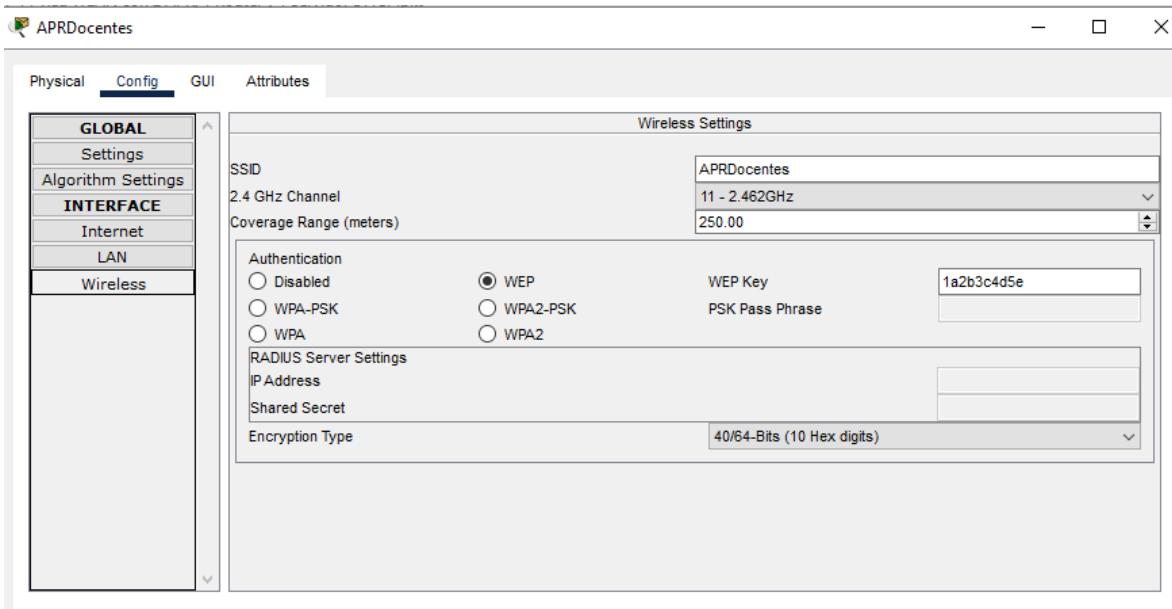
IPv6 Address /

Link Local Address

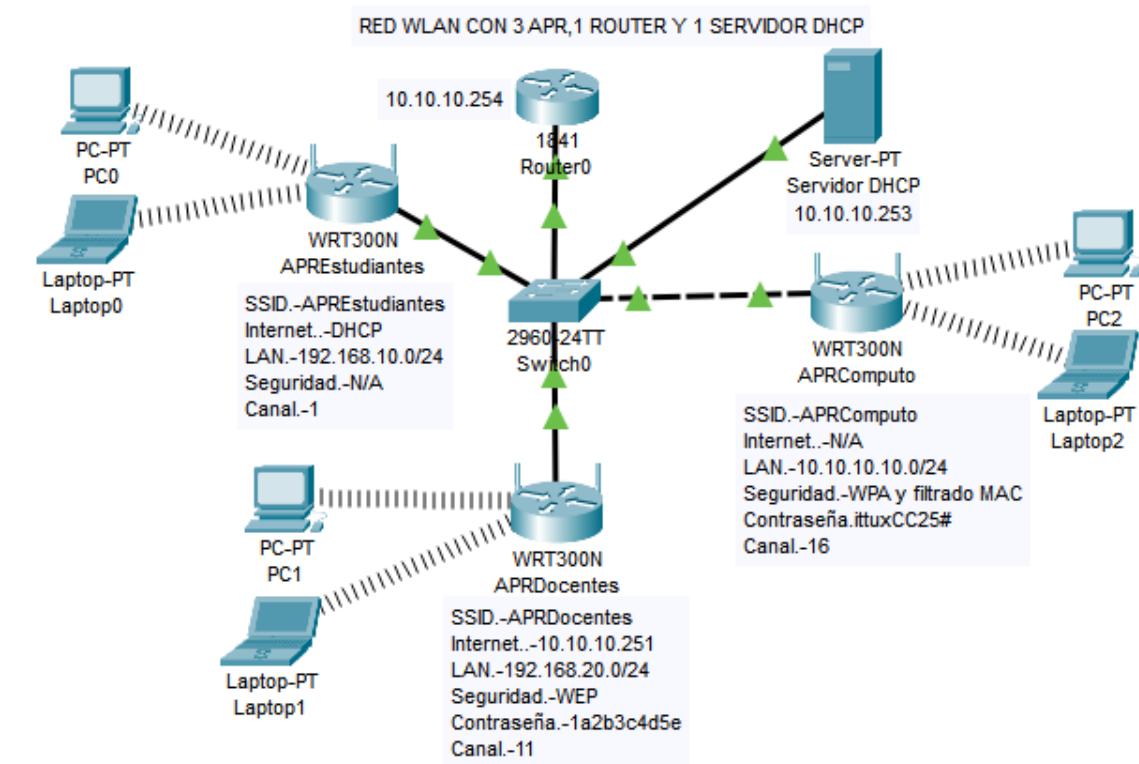
Default Gateway

DNS Server

Top



PRACTICA_17 RED WLAN CON 3 APR,1 ROUTER Y 1 SERVIDOR DHCP.



Servidor DHCP

- □ ×

Physical Config Services Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0

FastEthernet0

Port Status On
 100 Mbps 10 Mbps Auto
 Half Duplex Full Duplex Auto

Bandwidth
Duplex
MAC Address 00D0.D38C.5956

IP Configuration
 DHCP
 Static
IPv4 Address 10.10.10.253
Subnet Mask 255.255.255.0

IPv6 Configuration
 Automatic
 Static
IPv6 Address
Link Local Address: FE80::2D0:D3FF:FE8C:5956

[Physical](#) [Config](#) [Desktop](#) [Programming](#) [Attributes](#)[Link Information](#)[Connect](#)[Profiles](#)

Below is a list of available wireless networks. To search for more wireless networks, click the **Refresh** button. To view more information about a network, select the wireless network name. To connect to that network, click the **Connect** button below.

Wireless Network Name	CH	Signal
APREEstudiantes	1	63%
APRDocentes	11	80%
APRComputo	6	100%

Site Information

Wireless Mode Infrastructure
Network Type Mixed B/G/N
Radio Band Auto
Security Disable
MAC Address 00A41C1C808

[Refresh](#)[Connect](#)

2.4GHz



Adapter is Active

Wireless-N Notebook Adapter

Wireless Network Monitor v1.0

Model No. **WPC300N**

Physical Config Desktop Programming Attributes

IP Configuration

X

Interface

Wireless0

IP Configuration

 DHCP Static

DHCP request successful.

IPv4 Address

10.10.10.51

Subnet Mask

255.255.255.0

Default Gateway

10.10.10.254

DNS Server

10.10.10.252

IPv6 Configuration

 Automatic Static

Ipv6 request failed.

IPv6 Address

/

Link Local Address

FE80::205:5EFF:FEAE:EBB7

Default Gateway

DNS Server

Top

Conclusión

El desarrollo de las prácticas de interconectividad en Cisco Packet Tracer permitió fortalecer de manera significativa la comprensión del funcionamiento de una red y de los elementos que la conforman. A lo largo del curso, aprendimos a asignar direcciones IP, aplicar máscaras de subred, conectar equipos a switches y verificar la comunicación entre dispositivos, lo cual nos proporcionó una visión más completa y práctica de cómo se construye y gestiona una red.