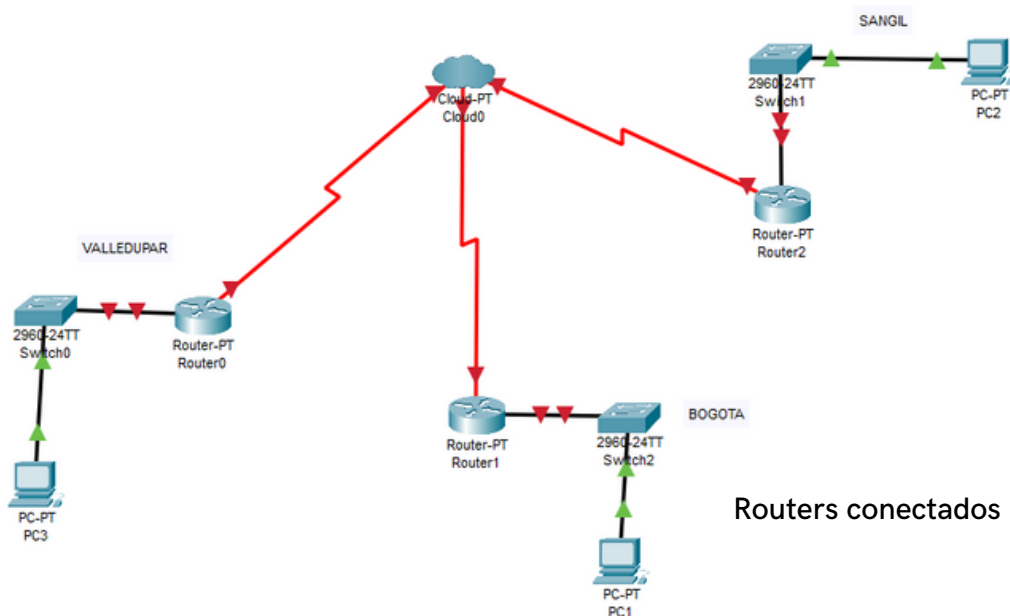


# FrameRelay

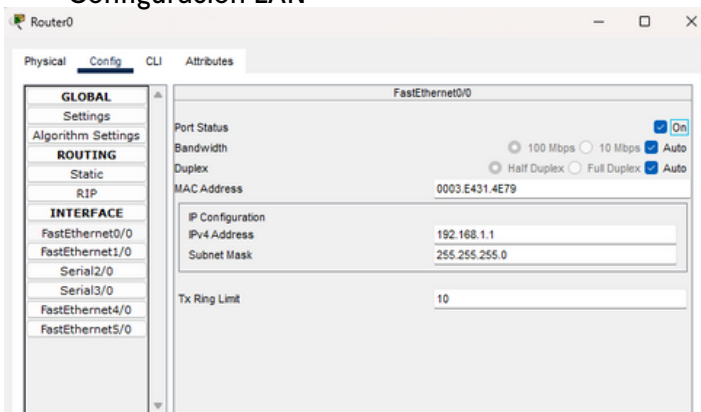
Taller para la creación de una infraestructura de frame relay con el servidor principal y las sucursales.

	Valledupar	Bogotá	San Gil
Router	192.168.1.1	192.168.4.1	192.168.2.1
PC	192.168.1.2	192.168.4.2	192.168.2.2
WAN	10.0.1.1	10.0.4.4	10.0.2.2

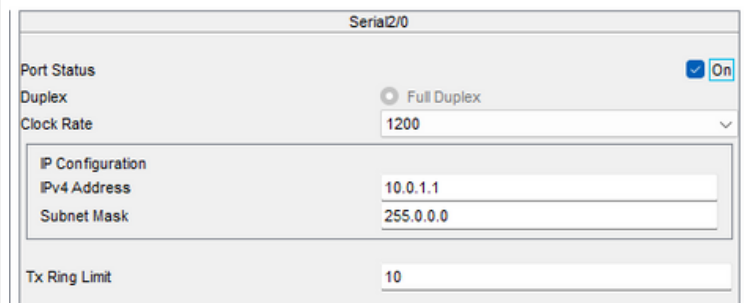


Routers conectados por serial

## Configuración LAN



## Configuración WAN SERIAL PORT



Prueba de conexión con router

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC2 SANGL	Router2	ICMP		0.000	N	0	(edit)	(delete)
	Successful	PC1 BOGOTA	Router1	ICMP		0.000	N	1	(edit)	(delete)
	Successful	PC3 VALLEDUPAR	Router0	ICMP		0.000	N	2	(edit)	(delete)

DLCI SE/0 VALLEDUPAR

DLCI	Name
Add	
Remove	
DLCI	Name
102	VUP-BOG
103	VUP-SGL

DLCI SE/1 SAN GIL

DLCI	Name
201	SGL-BOG
200	SGL-VUP

DLCI SE/02 BOGOTA

DLCI	Name
1002	BOG-SGL
100	BOG-VUP

FRAME RELAY

Frame Relay				
Serial2		BOG-VUP	<->	Serial0
VUP-BOG				
Port	Sublink		Port	Sublink
1	Serial0	VUP-BOG	Serial2	BOG-VUP
2	Serial0	VUP-SGL	Serial1	SGL-VUP
3	Serial1	SGL-BOG	Serial2	BOG-SGL

## ROUTING Y ENCAPSULAMIENTO ROUTER VALLEDUPAR

Network	192.168.4.0
Mask	255.255.255.0
Next Hop	10.0.4.4

Add

Network Address
192.168.2.0/24 via 10.0.2.2
192.168.4.0/24 via 10.0.4.4

```
Router(config)#interface Serial2/0
Router(config-if)#encapsulation frame-relay
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

## ROUTING Y ENCAPSULAMIENTO ROUTER SANGIL

### Static Routes

Network	192.168.4.0
Mask	255.255.255.0
Next Hop	10.0.4.4

Add

Network Address
192.168.1.0/24 via 10.0.1.1
192.168.4.0/24 via 10.0.4.4

```
Router(config)#interface Serial2/0
Router(config-if)#encapsulation frame-relay
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

## ROUTING Y ENCAPSULAMIENTO ROUTER BOGOTA

### Static Routes

Network	192.168.1.0
Mask	255.255.255.0
Next Hop	10.0.1.1

Add

Network Address
192.168.2.0/24 via 10.0.2.2
192.168.1.0/24 via 10.0.1.1

```
Router(config)#interface Serial2/0
Router(config-if)#encapsulation frame-relay
Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
```

# Pruebas



Router

PC

WAN

Valledupar

Bogotá

San Gil

192.168.1.1

192.168.4.1

192.168.2.1

192.168.1.2

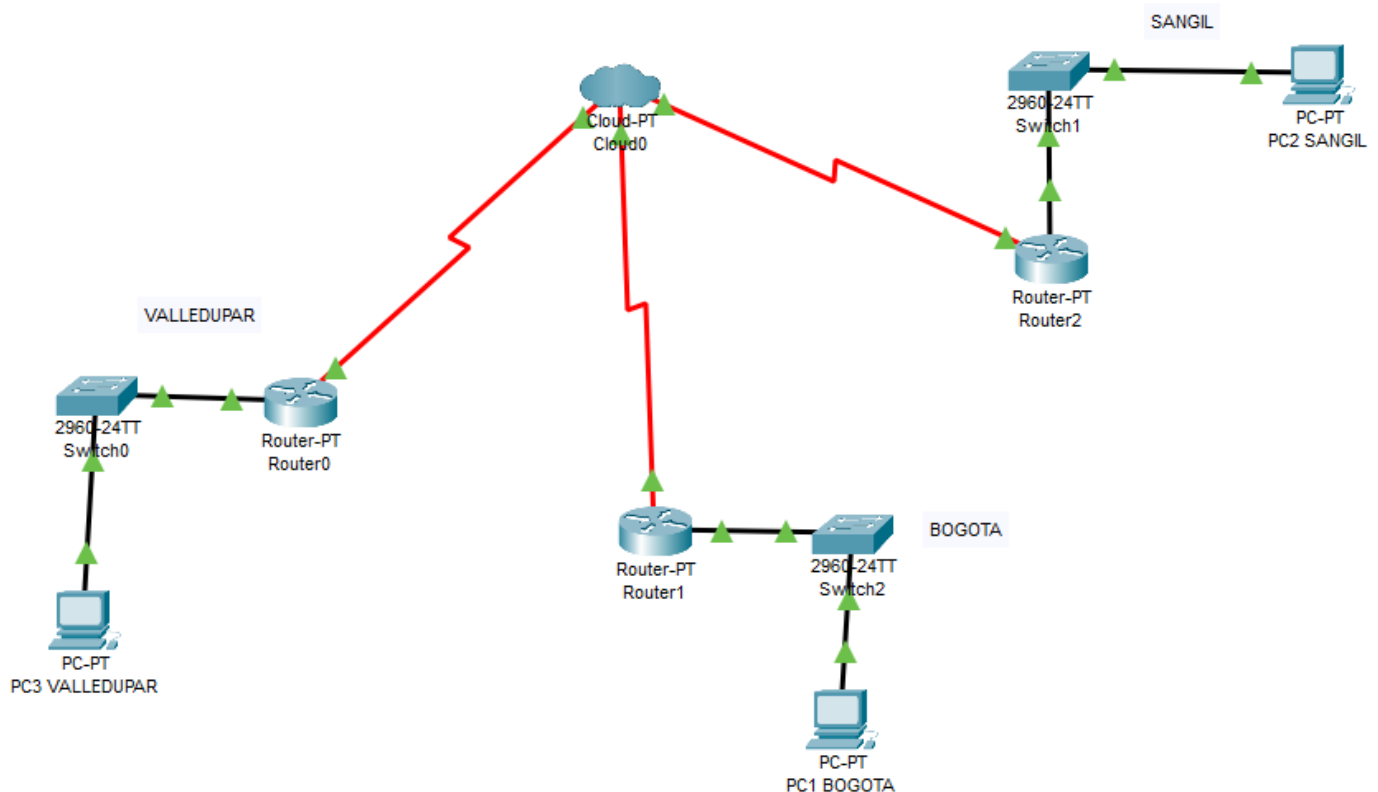
192.168.4.2

192.168.2.2

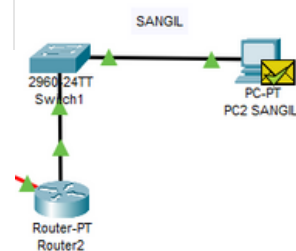
10.0.1.1

10.0.4.4

10.0.2.2



Fire	Last Status	Source	Destination
	Successful	PC3 VALLEDUPAR	PC1 BOGOTA
	Successful	PC1 BOGOTA	PC2 SANGIL
	Successful	PC2 SANGIL	PC1 BOGOTA
	Successful	PC3 VALLEDUPAR	PC2 SANGIL



Archivo en Google Drive

<https://drive.google.com/file/d/1VVj5CkGSYACm1xDslhaDelglqZ3aEY-P/view?usp=sharing>

Luis Mora Aroca y Andres Barrera Muñoz