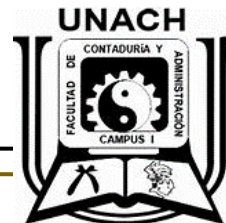




UNACH | Universidad Autónoma de Chiapas

FACULTAD DE CONTADURÍA Y ADMINISTRACIÓN CAMPUS I



Licenciatura en Ingeniería en desarrollo y tecnologías de
software

CONMUTADORES Y REDES INALAMBRICAS

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CATEDRÁTICO: Dr. Luis Gutiérrez Alfaro

ESTUDIANTE:

Gutiérrez Hernández Cristian - A200256

Semestre: 7° Grupo: "M"

Tuxtla Gutiérrez, Chiapas.

Sábado, 19 de agosto de 2023

ACT. 1.4 REALIZA LA SIGUIENTE PRÁCTICA EN PACKET TRACERT CONFIGURACION DE VLANS

Topología

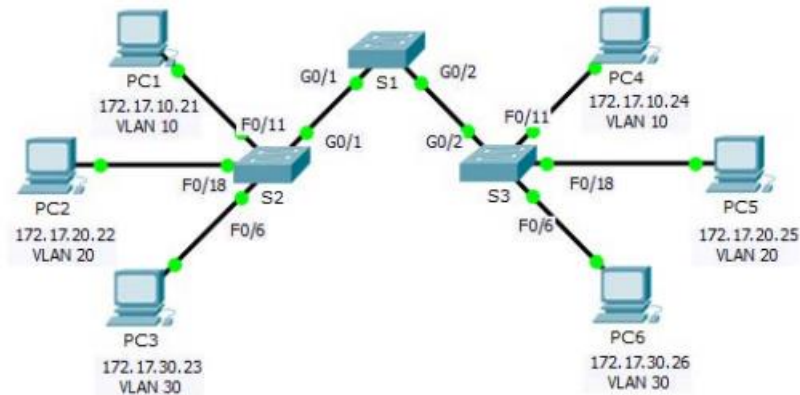
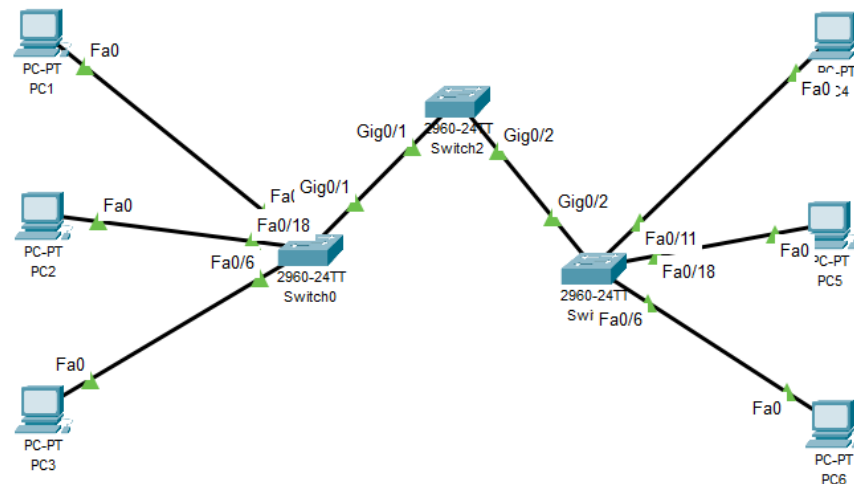


Tabla de direccionamiento

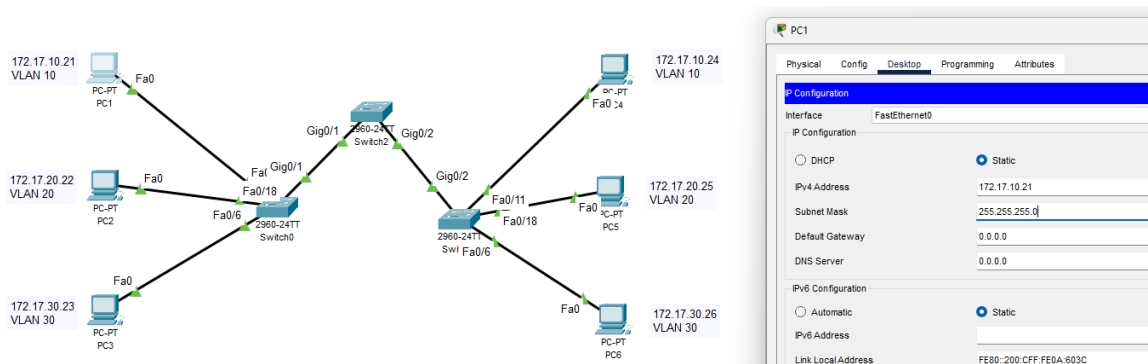
Dispositivo	Interfaz	Dirección IP	Máscara de subred	VLAN
PC1	NIC	172.17.10.21	255.255.255.0	10
PC2	NIC	172.17.20.22	255.255.255.0	20
PC3	NIC	172.17.30.23	255.255.255.0	30
PC4	NIC	172.17.10.24	255.255.255.0	10
PC5	NIC	172.17.20.25	255.255.255.0	20
PC6	NIC	172.17.30.26	255.255.255.0	30

Github: https://github.com/CristianGutierrezHdz/Configuracion_VLANS.git

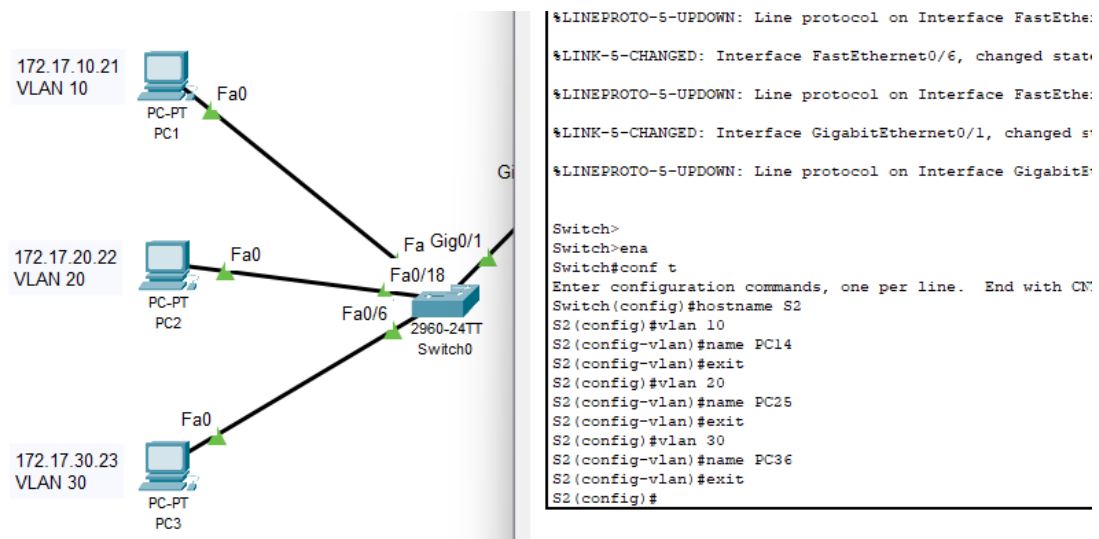
1. Creación de la topología.



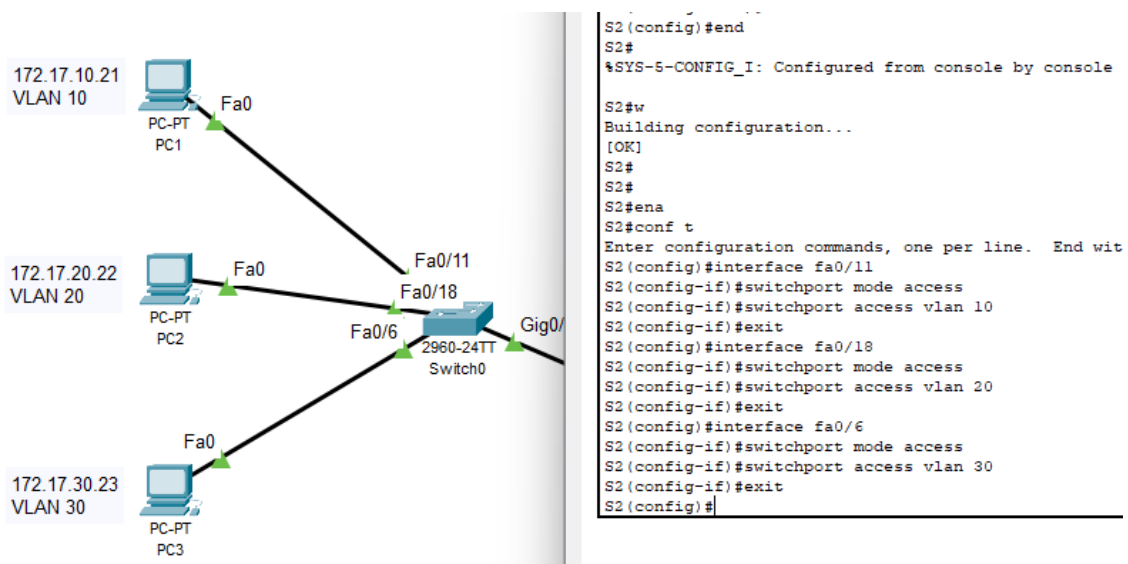
2. Asignación de direcciones IPs y máscaras de subred correspondientes en los equipos.



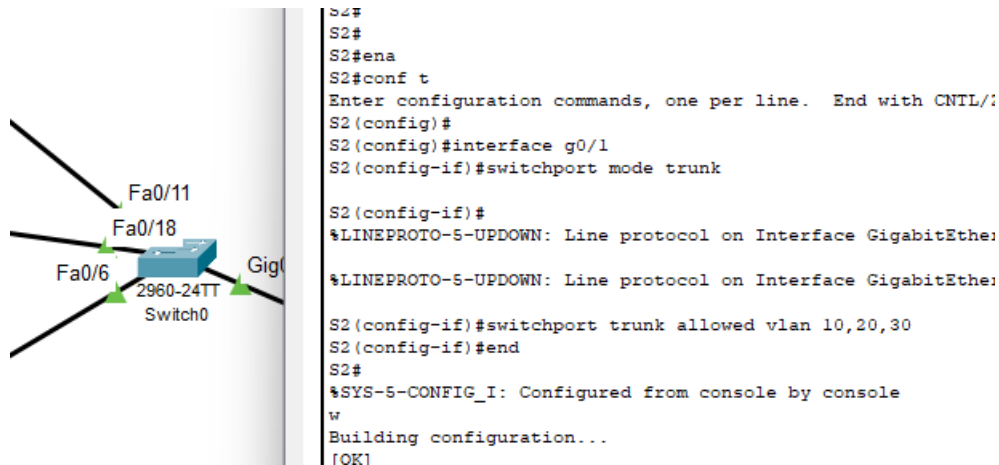
3. Creación de las VLANs en el S2



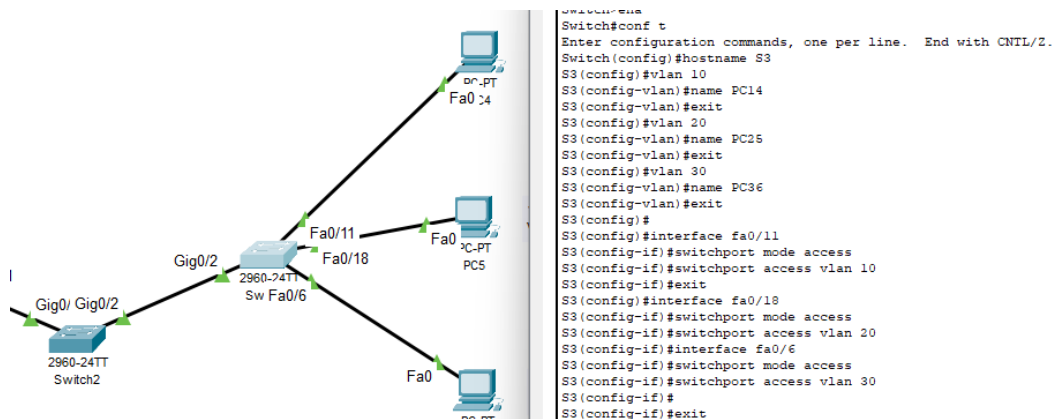
4. Asociar los puertos a las VLANs



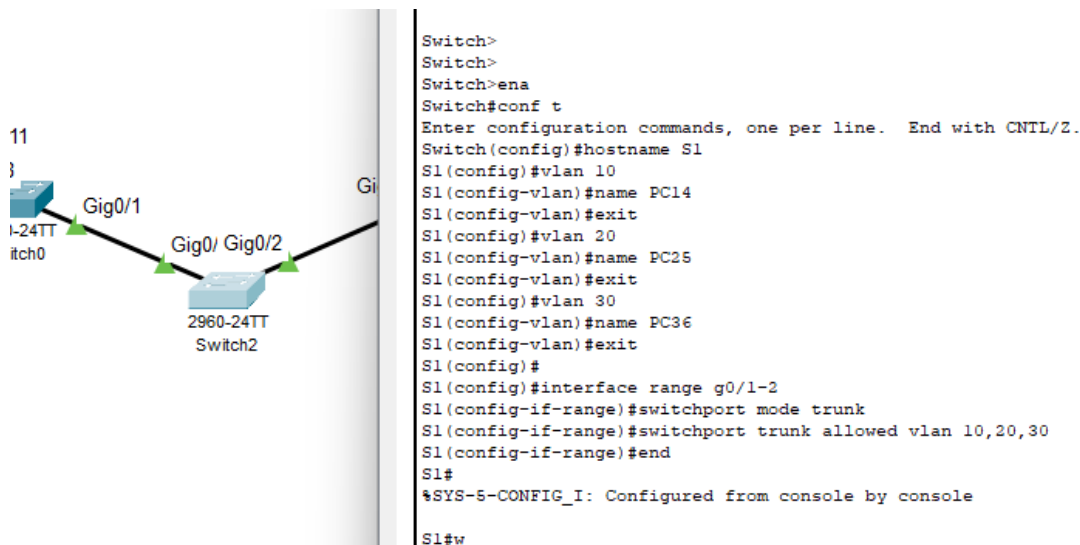
5. Configurar el enlace troncal de S2



6. replicar los mismos pasos pero con el S3



7. Configurar el enlace troncal en S1



8. Para terminar verificar que los equipos estén asociados a las VLANs

(S2)

```
S2#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/2
10	PC14	active	Fa0/11
20	PC25	active	Fa0/18
30	PC36	active	Fa0/6
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0

--More--

(S3)

```
S3#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/7, Fa0/8, Fa0/9 Fa0/10, Fa0/12, Fa0/13, Fa0/14 Fa0/15, Fa0/16, Fa0/17, Fa0/19 Fa0/20, Fa0/21, Fa0/22, Fa0/23 Fa0/24, Gig0/1
10	PC14	active	Fa0/11
20	PC25	active	Fa0/18
30	PC36	active	Fa0/6
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0

--More--

(S1)

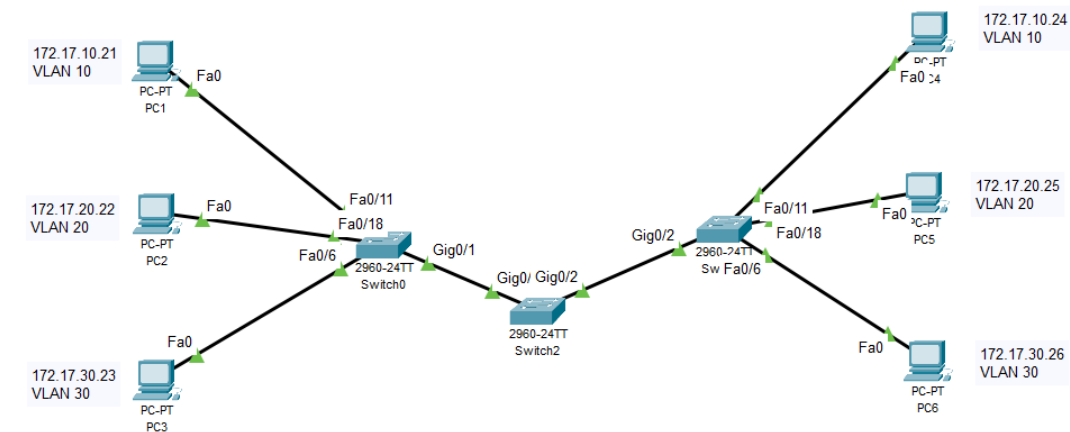
```
Si#show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24
10	PC14	active	
20	PC25	active	
30	PC36	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
10	enet	100010	1500	-	-	-	-	-	0	0
20	enet	100020	1500	-	-	-	-	-	0	0

--More--

Prueba de envío de paquetes:



Scenario 0									
New Delete									
Toggle PDU List Window									
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit Delete
	Successful	PC1	PC4	ICMP	Blue	0.000	N	0	(edit)
	Successful	PC2	PC5	ICMP	Pink	0.000	N	1	(edit)
	Successful	PC3	PC6	ICMP	Green	0.000	N	2	(edit)