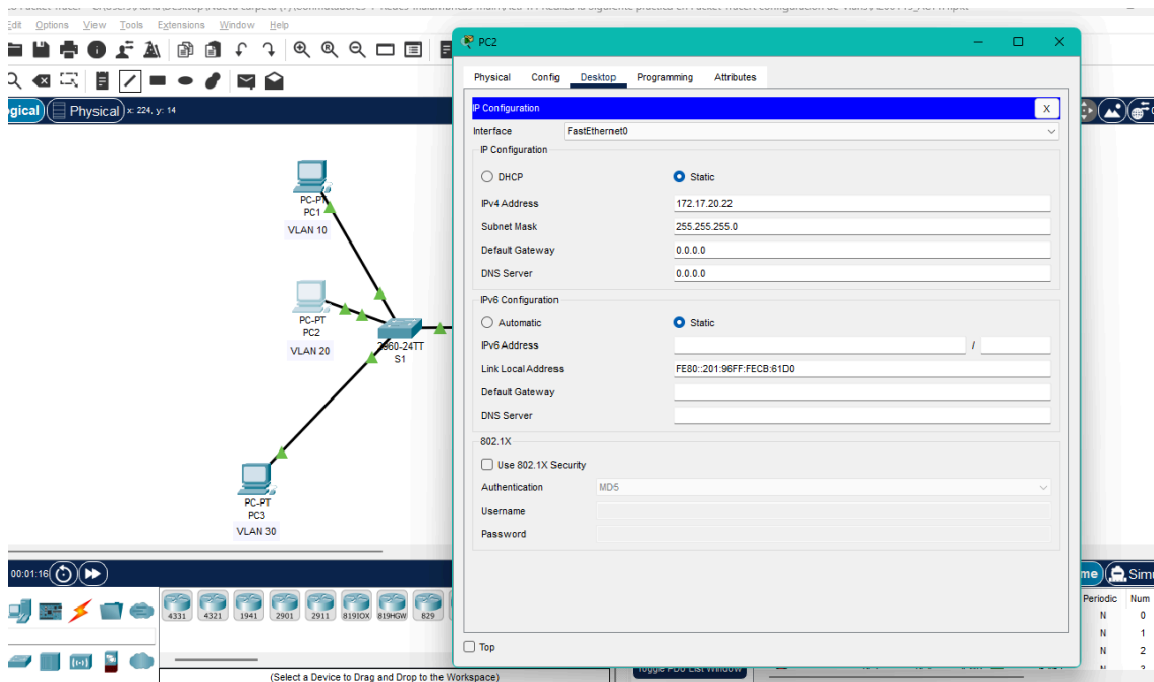
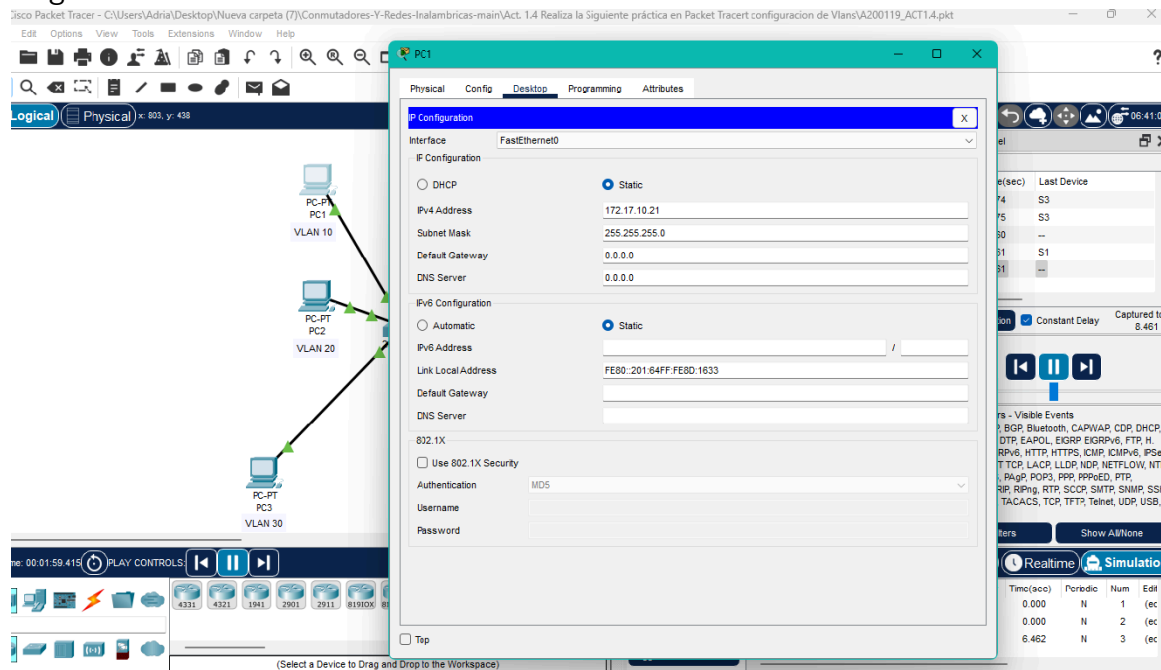
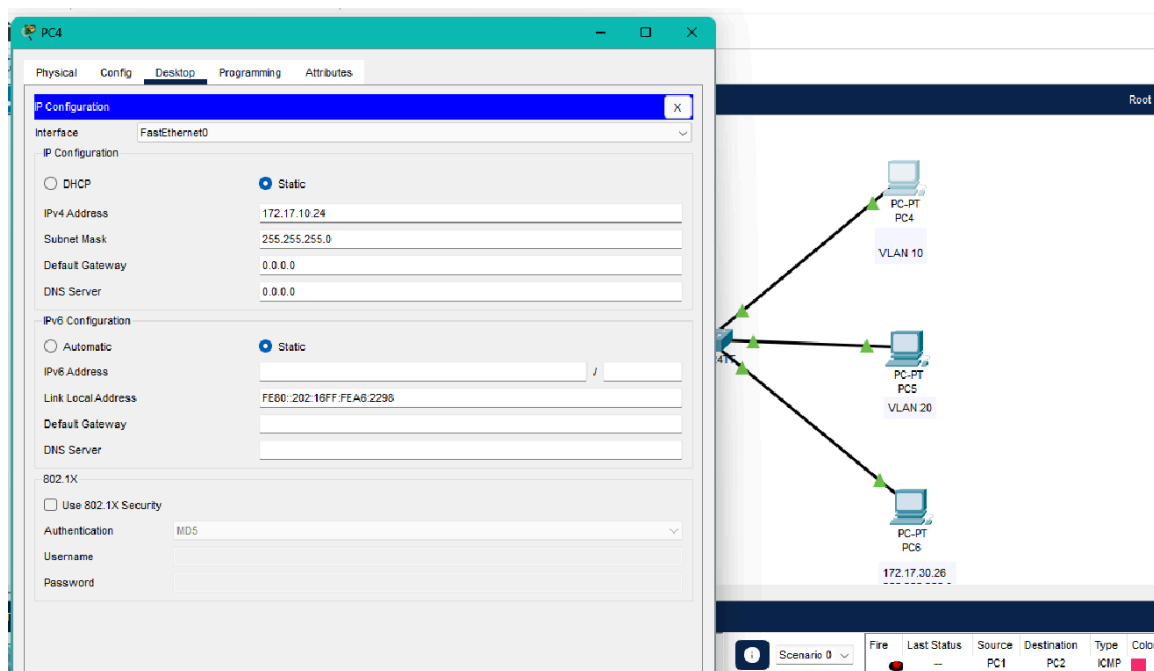
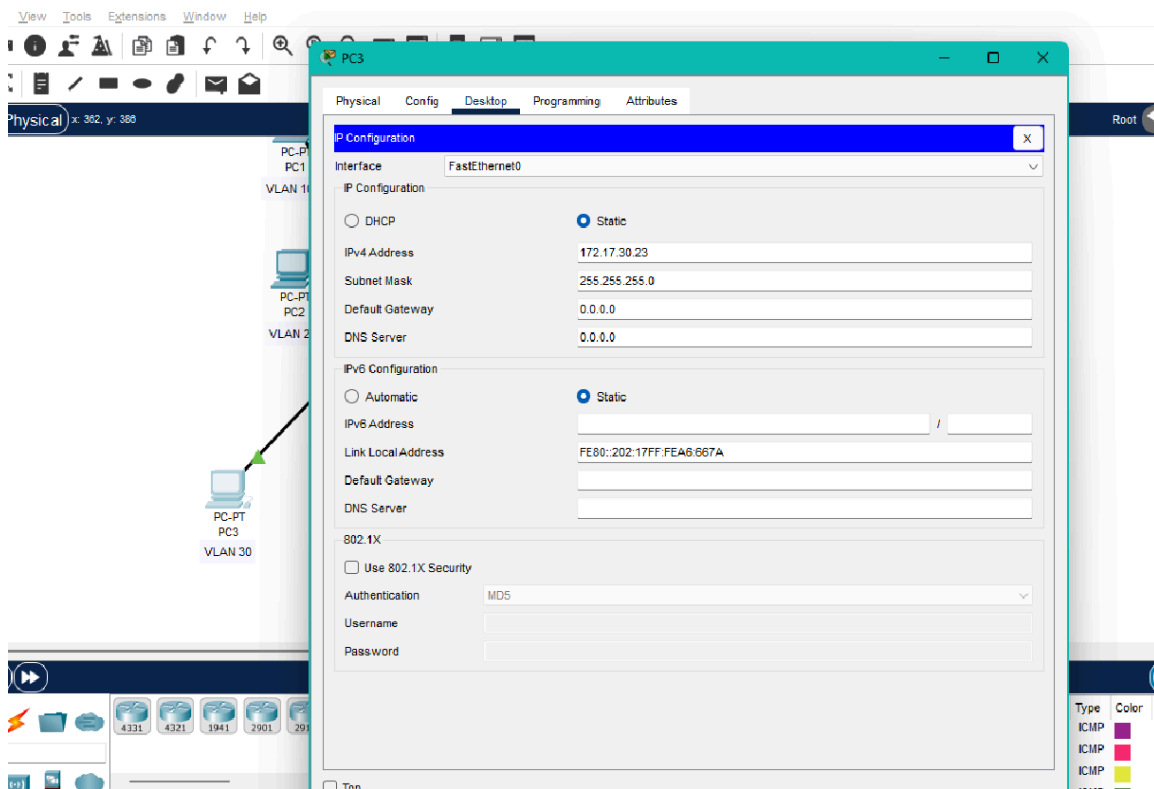


Configuración de Cisco Packet Tracer

Asignación de IPs





PC5

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: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::202:4AFF:FE3B:B7C4

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

PC-PT PC4 VLAN 10

PC-PT PC5 VLAN 20

PC-PT PC6 172.17.30.26

Scenario 0

Fire	Last Status	Source	Destination
●	--	PC1	PC2
●	--	PC1	PC3
●	--	PC1	PC4

PC6

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 172.17.30.26

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::201:63FF:FEED:B4CC

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

PC-PT PC4 VLAN 10

PC-PT PC5 VLAN 20

PC-PT PC6 172.17.30.26

Scenario 0

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Period
●	--	PC1	PC2	ICMP	Red	0.000	N
●	--	PC1	PC3	ICMP	Yellow	0.000	N
●	--	PC1	PC4	ICMP	Green	8.462	N

Asignación de nombres

```
S1(config-vlan)#n  
ame vlan20  
S1(config-vlan)#e  
xit  
S1(config)#vlan 30  
S1(config-vlan)#n  
ame vlan30  
S1(config-vlan)#e  
xit  
S1(config)#
```

```
Switch>ena  
Switch#conf t  
Enter configuration commands, one per line. End  
with CNTL/Z. Switch(config)#hostname S2  
S2(config)#vlan 10  
S2(config-vlan)#n  
ame vlan10  
S2(config-vlan)#e  
xit  
S2(config)#vlan 20  
S2(config-vlan)#n  
ame vlan20  
S2(config-vlan)#e  
xit  
S2(config)#vlan 30  
S2(config-vlan)#n  
ame vlan30  
S2(config-vlan)#e  
xit  
S2(config)#
```

```
Switch>ena  
Switch#conf t  
Enter configuration commands, one per line. End  
with CNTL/Z. Switch(config)#hostname S3  
S3(config)#vlan 10  
S3(config-vlan)#n  
ame vlan10  
S3(config-vlan)#e  
xit
```

```
S3(config)#vlan 20
S3(config-vlan)#n
ame vlan20
S3(config-vlan)#e
xit
S3(config)#vlan 30
S3(config-vlan)#n
ame vlan30
S3(config-vlan)#e
xit
S3(config)#
```

Asignación de puertos

```
S1(config-if)#exit
S1(config)#inter f0/6
S1(config-if)#switchport mode access
S1(config-if)#switchport
access vlan 30
S1(config-if)#exit
S1(config)#
S1(config)#inter g 0/1
S1(config-if)#switchport mode trunk
```

```
S2>ena
S2#conf t
Enter configuration commands, one per line. End
with CNTL/Z. S2(config)#inter range gig0/1-2
S2(config-if-range)#switchport
mode trunk
S2(config-if-range)#exit
S2(config)#
```

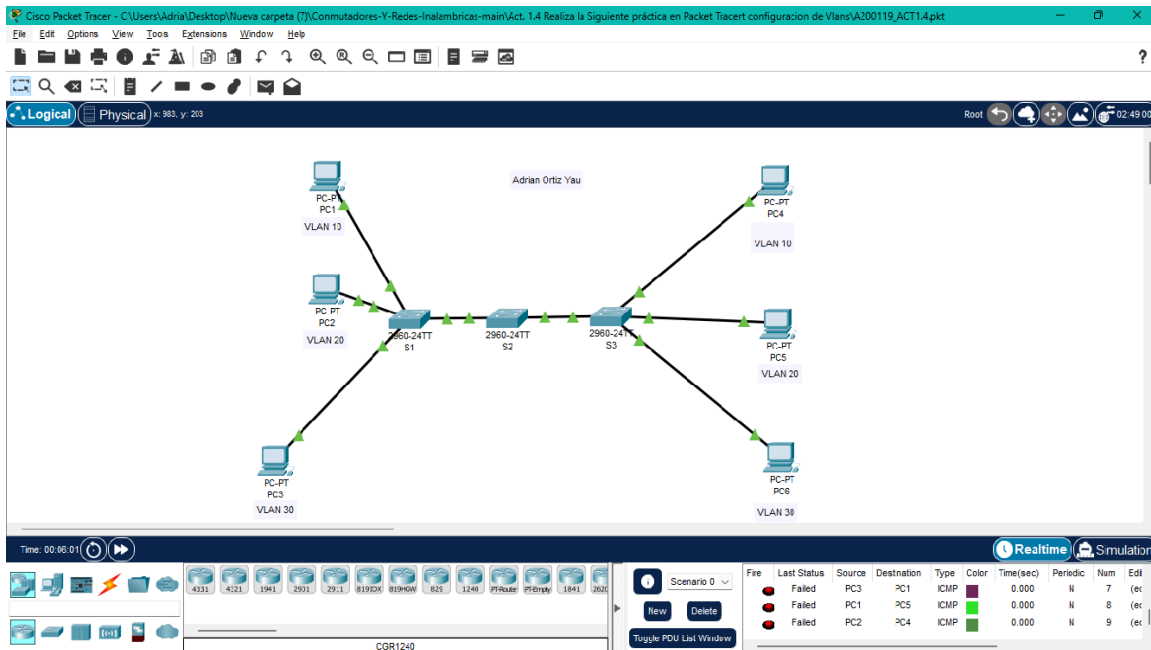
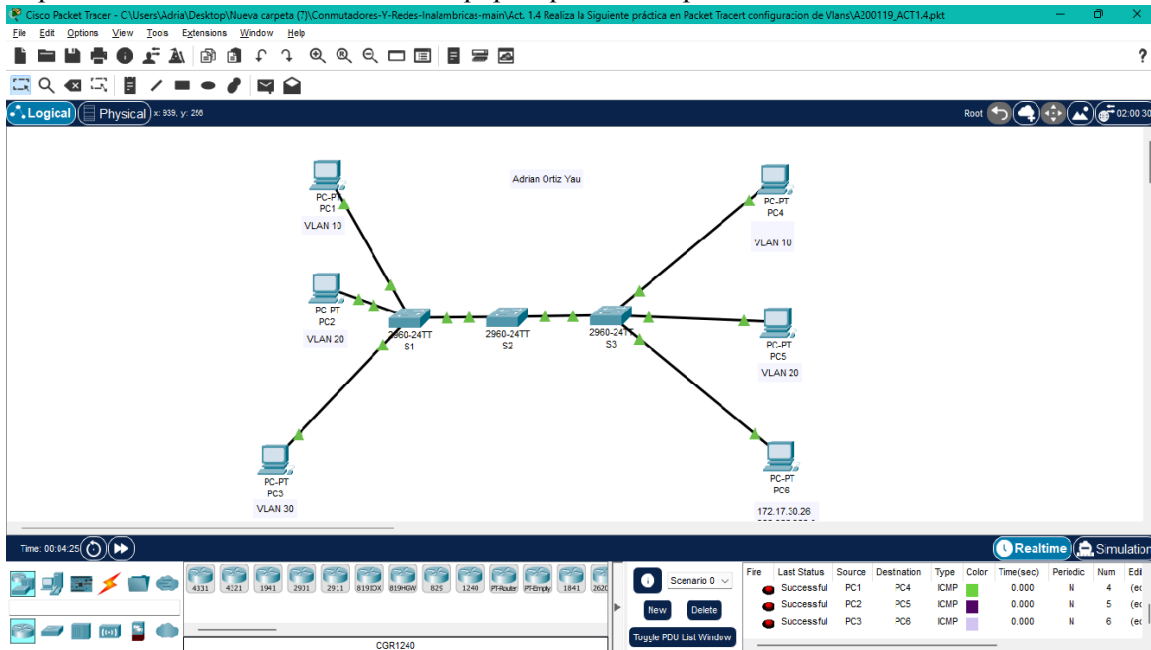
```
S3>ena
S3#conf t
Enter configuration commands, one per line. End
with CNTL/Z. S3(config)#inter f0/11
S3(config-if)#switchport mode access
S3(config-if)#switchport
access vlan 10
S3(config-if)#exit
S3(config)#inter f0/18
```

```
S3(config-if)#switchport mode access
S3(config-if)#switchport
access vlan 20
S3(config-if)#exit
S3(config)#inter f0/6
S3(config-if)#switchport mode access
S3(config-if)#switchport
access vlan 30
S3(config-if)#exit
S3(config)#
S3(config)#inter g0/1
S3(config-if)#switchport mode trunk
```

resultados

resultados

Se permite la comunicación entre los equipos que forman parte de la misma vlan.



Se rechaza entre los equipos de diferente Vlan