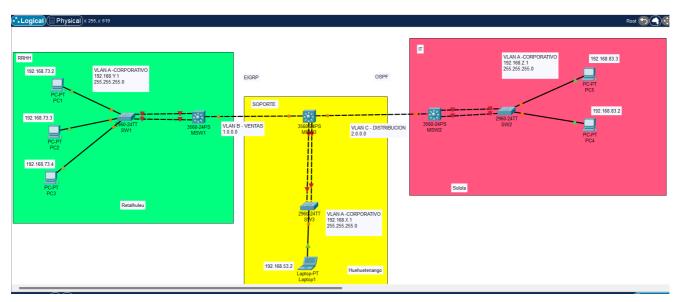
## Integrantes

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# Topologia 💻



## Configuraciones de VLAN e interfaces de VLAN

#### VLANs a crear:

- CORPORATIVO 63
- VENTAS 13
- DISTRIBUCIÓN 23

## Las interfaces de VLAN por configurar, son las siguientes:

### 1. CORPORATIVO

Sector	Dirección de Red
RRHH	192.168.73.1 con máscara 255.255.255.0
SOPORTE	192.168.83.1 con máscara 255.255.255.0
IT	192.168.93.1 con máscara 255.255.255.0

#### 2. VENTAS

#### Sector Dirección de Red

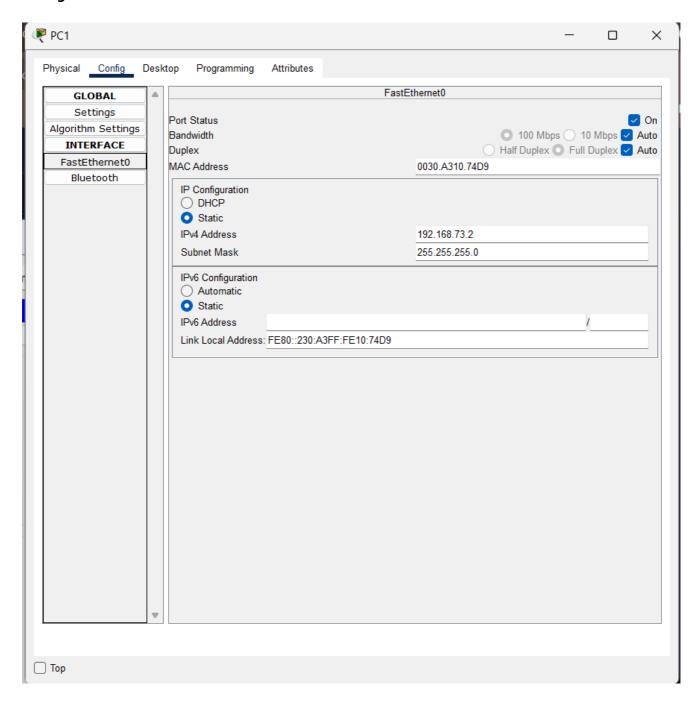
VENTAS 1.0.0.0 con máscara 255.0.0.0

### 3. DISTRIBUCIÓN

Sector	Dirección	rección de Red	
DISTRIBUISION		,	0== 0 0 0

DISTRIBUCION 2.2.2.0 con máscara 255.0.0.0

#### **Configuraciones de IP**



### **Configuraciones de Switch**

```
enable
configure terminal
no ip domain lookup
hostname SW1
vlan 63
name CORPORATIVO
exit
vlan 13
name VENTAS
exit
vlan 23
name DISTRIBUCION
exit
interface range FastEthernet0/3 - 5
switchport mode access
switchport access vlan 63
no shutdown
exit
interface range FastEthernet0/1 - 2
no shutdown
channel-group 1 mode passive
exit
interface Port-channel1
switchport mode trunk
switchport trunk allowed vlan 13,63,23
no shutdown
exit
do write
```

#### MSW1

```
no ip domain lookup
hostname MSW1

vlan 63
name CORPORATIVO
exit
vlan 13
name VENTAS
exit
vlan 23
```

```
name DISTRIBUCION
exit
interface range FastEthernet0/1 - 2
no shutdown
channel-group 1 mode active
interface Port-channel1
switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 13,63,23
no shutdown
exit
interface FastEthernet0/3
no shutdown
no switchport
ip address 1.0.0.2 255.0.0.0
interface vlan 63
ip add 192.168.73.1 255.255.255.0
no shutdown
exit
interface vlan 13
ip add 1.0.0.2 255.0.0.0
no shutdown
exit
ip routing
router eigrp 100
network 2.0.0.0 0.255.255.255
network 192.168.73.0 0.0.0.255
network 1.0.0.0 0.255.255.255
exit
```

#### MSW2

```
no ip domain lookup
hostname MSW2

vlan 63
name CORPORATIVO
exit
vlan 13
name VENTAS
```

```
exit
vlan 23
name DISTRIBUCION
exit
interface range FastEthernet0/1 - 2
no shutdown
channel-group 1 mode active
exit
interface Port-channel1
switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 63,23
no shutdown
exit
interface FastEthernet0/3
switchport mode access
switchport access vlan 23
no shutdown
exit
interface vlan 63
ip add 192.168.83.1 255.255.255.0
no shutdown
exit
interface vlan 23
ip add 2.0.0.2 255.0.0.0
no shutdown
exit
ip routing
router ospf 84
network 1.0.0.0 0.255.255.255 area 0
network 192.168.83.0 0.0.0.255 area 0
network 2.0.0.0 0.255.255.255 area 0
exit
```

#### MSW3

```
no ip domain lookup

vlan 63
name CORPORATIVO
exit
vlan 13
```

```
name VENTAS
exit
vlan 23
name DISTRIBUCION
exit
hostname MSW3
interface range FastEthernet0/1-2
no shutdown
channel-group 2 mode active
exit
interface Port-channel2
switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 13,63,23
no shutdown
exit
interface FastEthernet0/3
no shutdown
switchport mode access
switchport access vlan 13
exit
interface FastEthernet0/4
no shutdown
switchport mode access
switchport access vlan 23
interface vlan 63
ip address 192.168.53.1 255.255.255.0
no shutdown
exit
interface vlan 13
ip add 1.0.0.1 255.0.0.0
no shutdown
exit
interface vlan 23
ip add 2.0.0.1 255.0.0.0
no shutdown
exit
ip routing
router eigrp 100
network 2.0.0.0 0.255.255.255
network 192.168.53.0 0.0.0.255
network 1.0.0.0 0.255.255.255
```

```
exit

router ospf 64

network 1.0.0.0 0.255.255.255 area 0

network 192.168.53.0 0.0.0.255 area 0

network 2.0.0.0 0.255.255.255 area 0
```

#### SW3

```
no ip domain lookup
hostname SW3
vlan 63
name CORPORATIVO
exit
vlan 13
name VENTAS
exit
vlan 23
name DISTRIBUCION
exit
interface FastEthernet0/3
no shutdown
switchport mode access
switchport access vlan 63
exit
interface range FastEthernet0/1-2
no shutdown
channel-group 2 mode passive
exit
interface Port-channel2
switchport mode trunk
switchport trunk allowed vlan 13,63,23
no shutdown
exit
```

#### SW2

enable
configure terminal
no ip domain lookup
hostname SW2

```
vlan 63
name CORPORATIVO
exit
vlan 13
name VENTAS
exit
vlan 23
name DISTRIBUCION
exit
interface range FastEthernet0/3 - 4
switchport mode access
switchport access vlan 63
no shutdown
exit
interface range FastEthernet0/1 - 2
no shutdown
channel-group 1 mode passive
interface Port-channel1
switchport mode trunk
switchport trunk allowed vlan 63,23
no shutdown
exit
do write
```

## Protocolos para las 3 sucursales

#### Las sucursales por configurar, son las siguientes:

- 1. Retalhuleu
- 2. Huehuetenango
- 3. Sololá

Punto inicial	Punto final	Protocolo
Retalhuleu	Huehuetenango	EIGRP
Huehuetenango	Sololá	OSPF

#### **EIGRP - MSW1, MSW2:**

enable conf ter

```
ip routing
router eigrp 1
network 1.0.0.0
network 192.168.73.0
network 192.168.83.0
no auto-summary

exit
exit
wr
```

## OSPF - MSW3, MSW2:

```
enable conf ter

ip routing router ospf 2 network 2.0.0.0 0.0.0.255 area 2 network 192.168.83.0 0.0.0.255 area 2 network 192.168.93.0 0.0.0.255 area 2 exit exit wr
```