R1:

Sh vlan-s

Sh vlan-switch

Sh ip int brief

enable

configure terminal

Interface fa0/0

No shut

interface fa0/0.10

encapsulation dot1Q 10

ip address 10.0.10.1 255.255.255.0

no shut

exit

interface fa0/0.20

encapsulation dot1Q 20

ip address 10.0.20.1 255.255.255.0

No shut

exit

interface fa0/0.30

encapsulation dot1Q 30

ip address 10.0.30.1 255.255.255.0

no shut

exit

sh running-config

Sh ip int br

running-config startup-config

**ESW1:**

Sh running-config

Sh vlan-s

enable

vlan database

vlan 10 name Sistemas

vlan 20 name Operaciones

vlan 30 name Gerencia

Exit

sh vlan-s

Enable

Configure terminal

interface range fa1/0 -1

switchport mode trunk

No shut

exit

**Asignación del rango de interfaz a la vlan**

interface range fa1/2 - 4

switchport mode access

switchport access vlan 10

No shut

exit

interface range fa1/5 - 9

switchport mode access

switchport access vlan 20

No shut

exit

interface range fa1/10 - 15

switchport mode access

switchport access vlan 30

exit

End

copy running-config startup-config

ESW2:

Sh running-config

Sh vlan-s

enable

vlan database

vlan 10 name Sistemas

vlan 20 name Operaciones

vlan 30 name Gerencia

Exit

sh vlan-s

Enable

Configure terminal

enable

interface fa1/0

switchport mode trunk

No shut

exit

interface range fa1/1 - 4

switchport mode access

switchport access vlan 10

No shut

exit

interface range fa1/5 - 9

switchport mode access

switchport access vlan 20

No shut

exit

interface range fa1/10 - 15

switchport mode access

switchport access vlan 30

No shut

Exit

end

running-config startup-config

**PC1:**

ip 10.0.10.2/24 10.0.10.1

save

**PC2:**

ip 10.0.20.2/24 10.0.20.1

save

**PC3:**

ip 10.0.30.2/24 10.0.30.1

save

**PC4:**

ip 10.0.10.254/24 10.0.10.1

save

**PC5:**

ip 10.0.20.254/24 10.0.20.1

save

**PC6:**

ip 10.0.30.254/24 10.0.30.1

Save