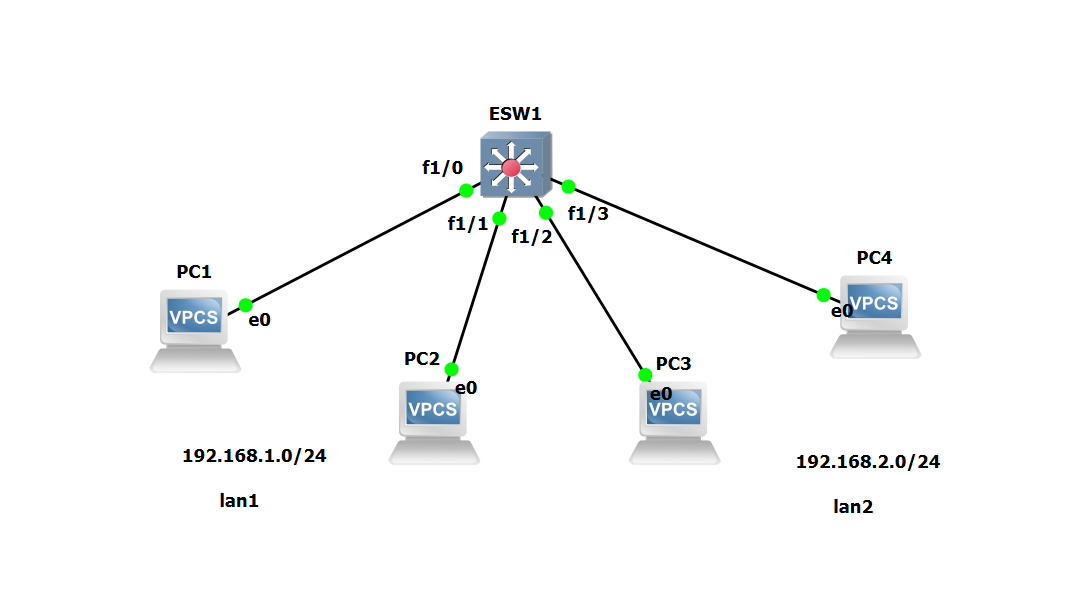
**Practical – 7**

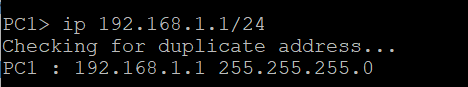
**Aim:- Inter-VLAN Routing**

**Topology:-**



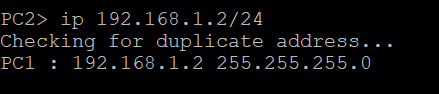
**PC1 Console**

ip 192.168.1.1/24



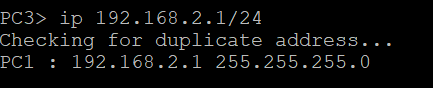
**PC2 Console**

ip 192.168.1.2/24



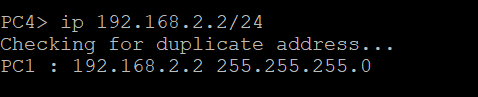
**PC3 Console**

ip 192.168.2.1/24



**PC4 Console**

ip 192.168.2.2/24

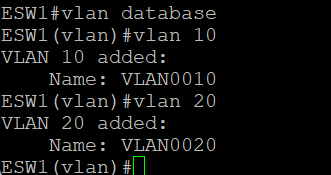


**ESW1 Console**

vlan database

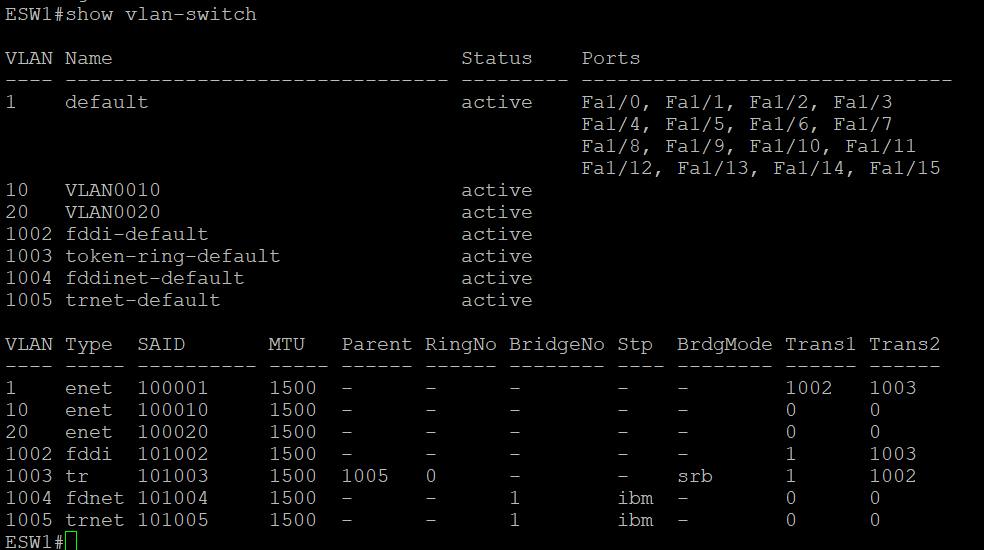
vlan 10

vlan 20



**ESW1 Console**

show vlan-switch



**ESW1 Console**

conf t

interface f1/0

switchport mode access

switch access vlan 10

exit

interface f1/1

switchport mode access

switch access vlan 10

exit

interface f1/2

switchport mode access

switch access vlan 20

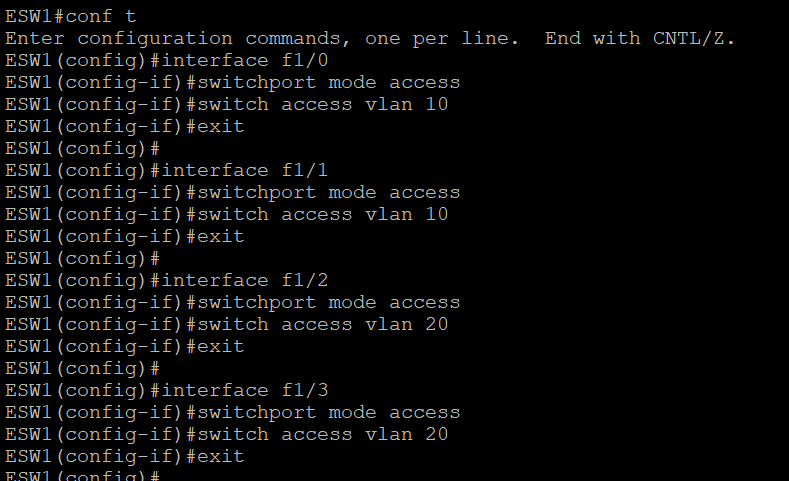
exit

interface f1/3

switchport mode access

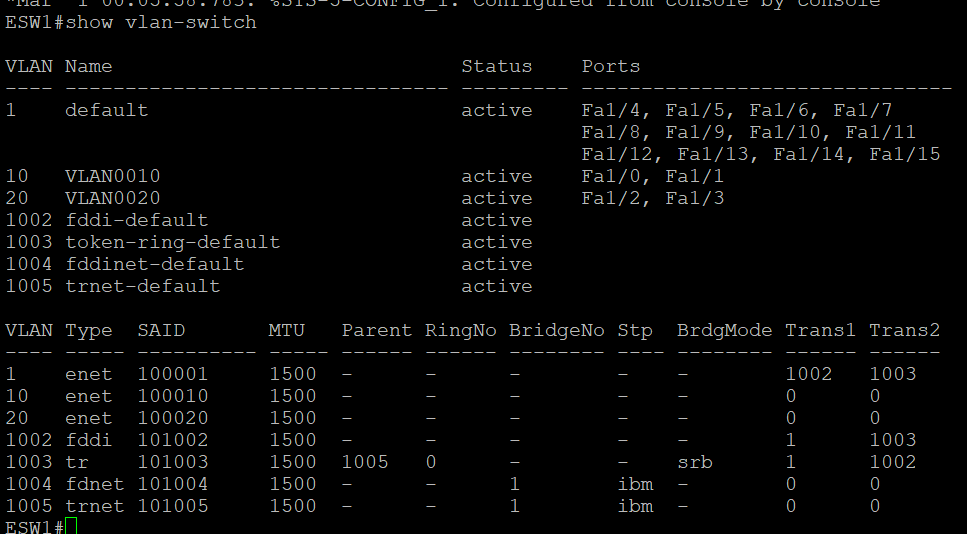
switch access vlan 20

exit



**ESW1 Console**

show vlan-switch



**PC1 Console**

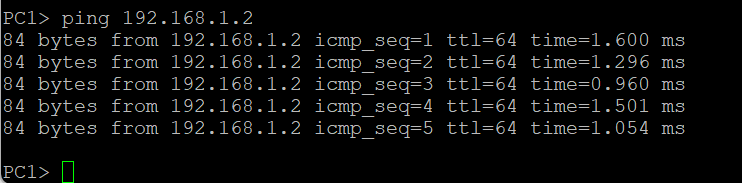
ping 192.168.1.2

ping 192.168.2.1

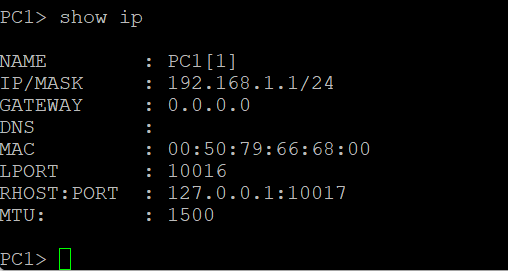
show ip

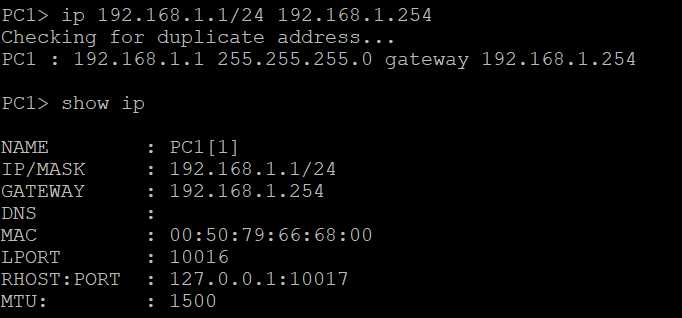
ip 192.168.1.1/24 192.168.1.254

show ip





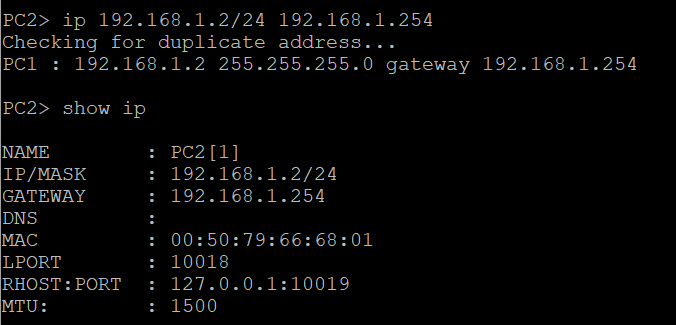




PC2 Console

ip 192.168.1.2/24 192.168.1.254

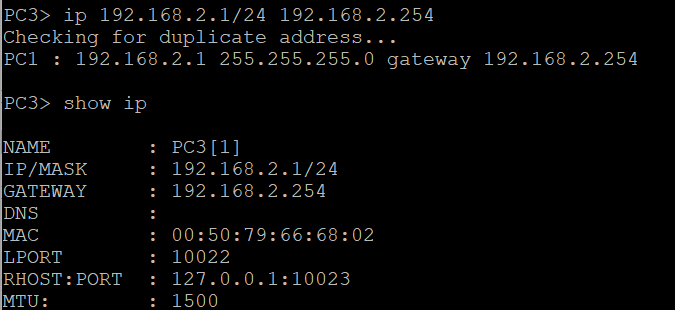
show ip



**PC3 Console**

ip 192.168.2.1/24 192.168.2.254

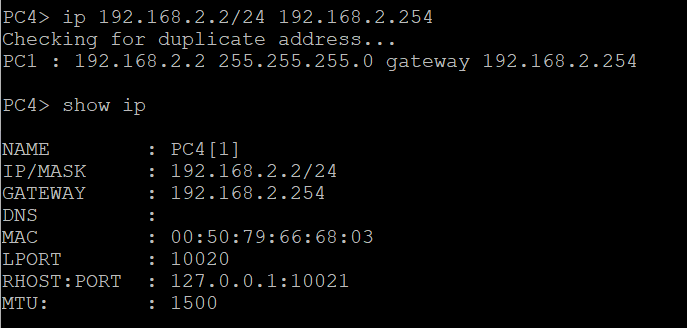
show ip



**PC4 Console**

ip 192.168.2.2/24 192.168.2.254

show ip



**EWS1 Console**

conf t

interface vlan 10

ip address 192.168.1.254 255.255.255.0

no shutdown

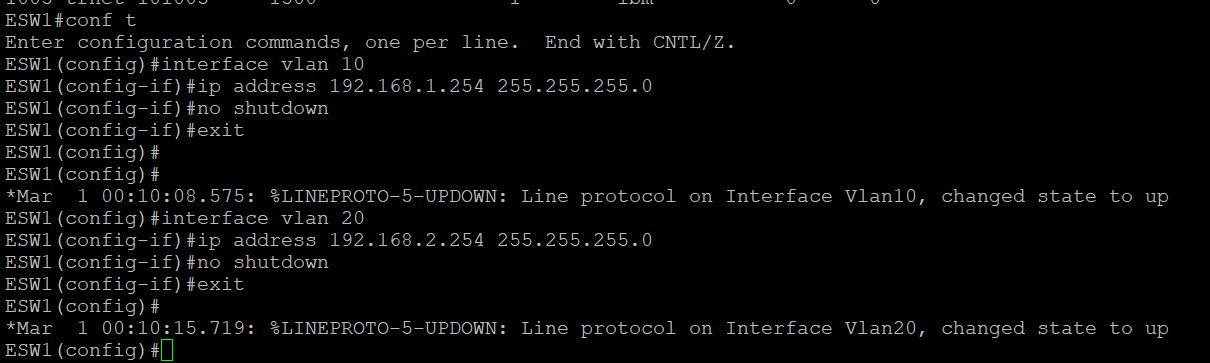
exit

interface vlan 20

ip address 192.168.2.254 255.255.255.0

no shutdown

exit



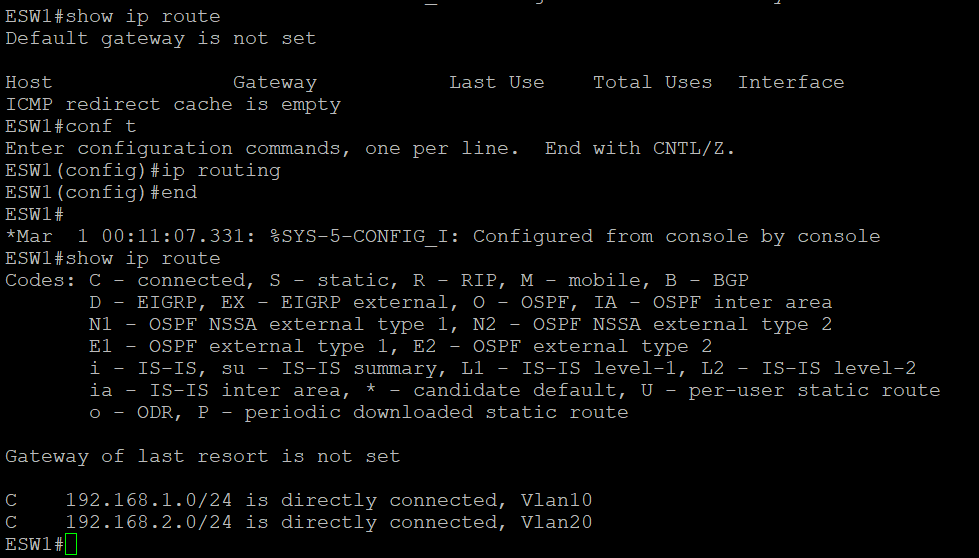
show ip route

conf t

ip routing

end

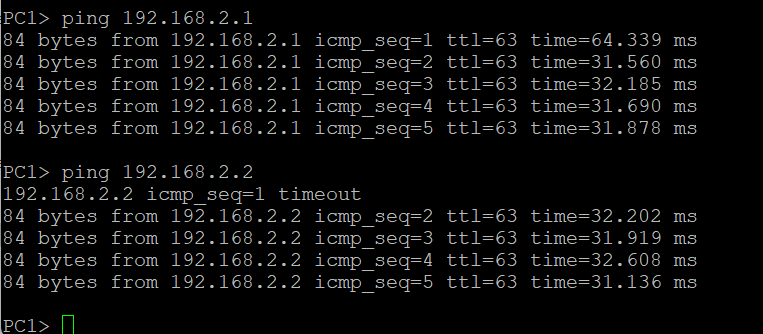
show ip route



**PC1 Console**

ping 192.168.2.1

ping 192.168.2.2



**PC4 Console**

ping 192.168.1.1

ping 192.168.1.2

