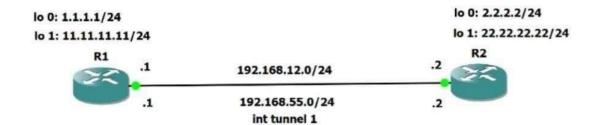
Practical 8B

Aim: Implement VRF



Configure R1/Dahanu:

R1#conft

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#hostname R1

R1(config)#int fa0/0

R1(config-if)#ip add 192.168.12.1 255.255.255.0

R1(config-if)#no shut

R1(config-if)#exit

*Jun 24 11:39:17.951: %ENTITY_ALARM-6-INFO: CLEAR INFO Fa0/0 Physical Port Administrative State Down

*Jun 24 11:39:18.951: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,

changed state to up

R1(config-if)#exit

R1(config)#ip vrf R1

R1(config-vrf)#exit

R1(config)#int lo0

R1(config-if)#int lo0

R1(config-if)#ip vrf forwarding R1

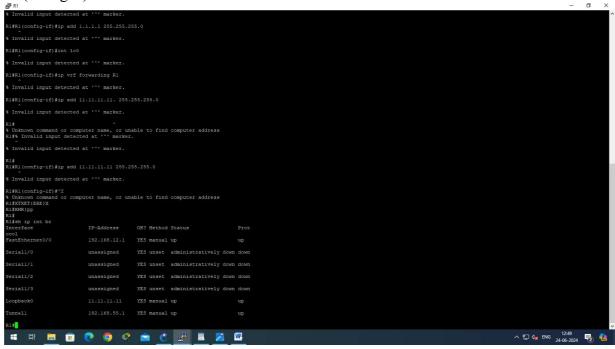
R1(config-if)#ip add 1.1.1.1 255.255.255.0

R1(config-if)#int lo0

R1(config-if)#ip vrf forwarding R1

R1(config-if)#ip add 11.11.11.11 255.255.255.0

R1(config-if)#^Z



Configure R2/Virar:

R2#conft

Enter configuration commands, one per line. End with CNTL/Z.

R2(config)#hostname R2

R2(config)#int fa0/0

R2(config-if)#ip add 192.168.12.2 255.255.255.0

R2(config-if)#no shut

R2(config-if)#

*Jun 24 11:41:01.651: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up R2(config-if)#

*Jun 24 11:41:01.651: %ENTITY_ALARM-6-INFO: CLEAR INFO Fa0/0 Physical Port Administrative State Down

*Jun 24 11:41:02.651: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,

changed state to up

R2(config-if)#exit

R2(config)#ip vrf R2

R2(config-vrf)#exit

R2(config)#int lo0

R2(config-if)#ip

*Jun 24 11:41:26.487: %LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up

R2(config-if)#ip vrf forwarding R2

R2(config-if)#ip add 2.2.2.2 255.255.255.0

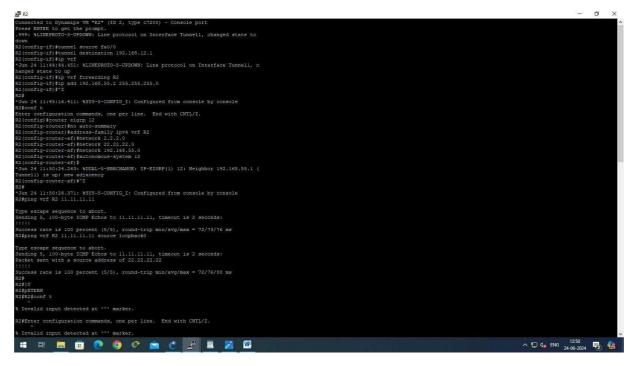
R2(config-if)#int lo0

R2(config-if)#int lo0

R2(config-if)#ip vrf forwarding R2

R2(config-if)#ip add 22.22.22.22 255.255.255.0

R2(config-if)#^Z



Configure VRF on R1/Dahanu:

R1#conft

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#int tunnel 1

R1(config-if)#t

*Jun 24 11:44:54.823: %LINEPROTO-5-UPDOWN: Line protocol on Interface Tunnel1, changed state to down

R1(config-if)#tunnel source fa0/0

R1(config-if)#tunnel destination 192.168.12.2

R1(config-if)#ip v

*Jun 24 11:45:20.927: %LINEPROTO-5-UPDOWN: Line protocol on Interface Tunnel1, changed state to up

R1(config-if)#ip vrf forwarding R1

R1(config-if)#ip add 192.168.55.1 255.255.255.0

R1(config-if)#^Z

Configure VRF on R2/Virar:

R2#conft

Enter configuration commands, one per line. End with CNTL/Z.

R2(config)#int tunnel 1

R2(config-if)#tunnel source fa0/0

R2(config-if)#tunnel destination 192.168.12.1

R2(config-if)#ip vrf forwarding R2

R2(config-if)#ip add 192.168.55.2 255.255.255.0

R2(config-if)#^Z

Configure VRF on R1/Dahanu:

R1#conft

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#router eigrp 12

R1(config-router)#no auto-summary

R1(config-router)#address-family ipv4 vrf R1

R1(config-router-af)#network 1.1.1.0

R1(config-router-af)#network 11.11.11.0

R1(config-router-af)#network 192.168.55.0

R1(config-router-af)#autonomous-system 12

R1(config-router-af)#^Z

Configure EIGRP on R2/Virar

R2#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R2(config)#router eigrp 12

R2(config-router)#no auto-summary

R2(config-router)#address-family ipv4 vrf R2

R2(config-router-af)#network 2.2.2.0

R2(config-router-af)#network 22.22.22.0

R2(config-router-af)#network 192.168.55.0

R2(config-router-af)#autonomous-system 12

R2(config-router-af)#^Z

*Jun 24 11:50:26.371: %SYS-5-CONFIG I: Configured from console by console