S3

Switch>en

Switch#conf t

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

Switch(config)#int vlan1

Switch(config-if)#ip add 192.168.50.3 255.255.255.0

Switch(config-if)#ip default-gateway 192.168.50.1

R3

Router>en

Router#conf t

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

Router(config)#int gig0/0/1

Router(config-if)#ip add 192.168.50.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#int gig0/0/0

Router(config-if)#ip add 192.168.40.2 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#exit

Router(config)#int se0/1/0

Router(config-if)#ip add 192.168.30.2 255.255.255.0

Router(config-if)#no shutdown

R2

Router>en

Router#conf t

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

Router(config)#int gig0/0/1

Router(config-if)#ip add 192.168.40.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up

Router(config-if)#exit

Router(config)#int gig0/0/0

Router(config-if)#ip add 192.168.20.2 255.255.255.0

Router(config-if)#no shutdown

R1

Router>en

Router#conf t

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

Router(config)#int gig0/0/1

Router(config-if)#ip add 192.168.10.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up

Router(config-if)#exit

Router(config)#int gig0/0/0

Router(config-if)#ip add 192.168.20.1 255.255.255.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up

Router(config-if)#exit

Router(config)#int se0/1/0

Router(config-if)#ip add 192.168.30.1 255.255.255.0

Router(config-if)#no shutdown

R1 float

Router(config-if)#exit

Router(config)#ip route 192.168.50.0 255.255.255.0 192.168.30.2

Router(config)#ip route 192.168.50.0 255.255.255.0 192.168.20.2

Router(config)#ip route 192.168.50.0 255.255.255.0 192.168.30.2 10

Router(config)#

R2

Router>en

Router#conf t

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

Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.20.2

%Invalid next hop address (it's this router)

Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.20.1

Router(config)#ip route 192.168.50.0 255.255.255.0 192.168.40.2

Router(config)#

R3

Router>en

Router#conf t

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

Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.30.1 10

Router(config)#ip route 192.168.10.0 255.255.255.0 192.168.40.1