Static Routing
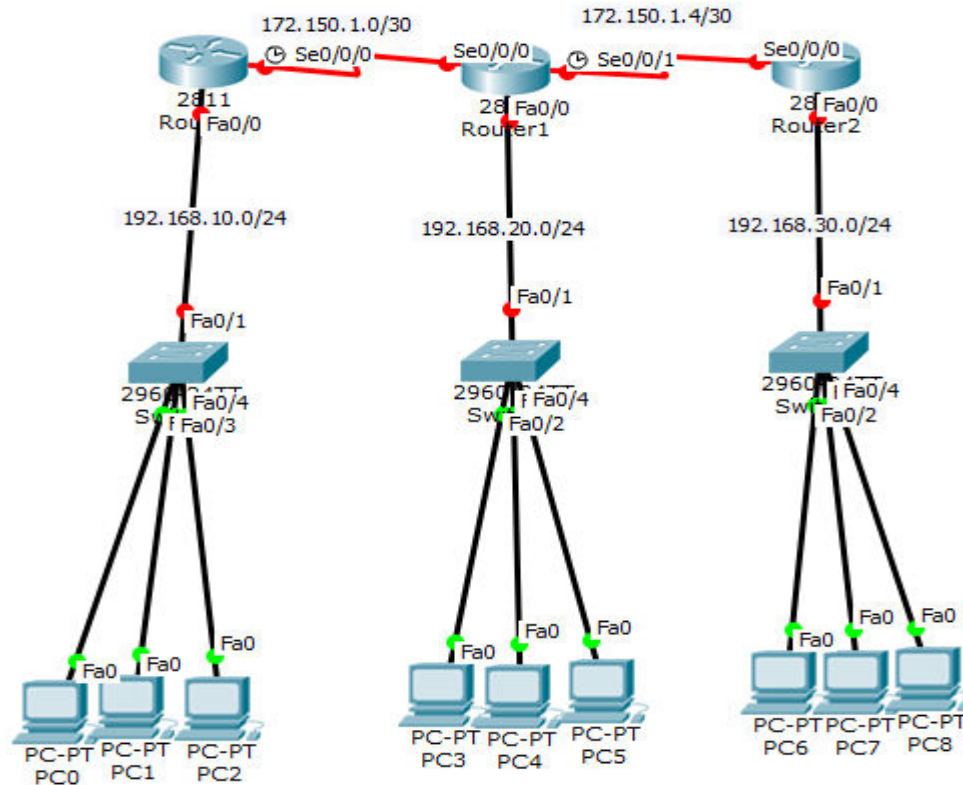

Configuration Router R1:

Router>enable
Router#configure terminal
Router(config)#hostname R1
R1(config)#interface serial 0/0/0
R1(config-if)#ip address 172.150.1.1 255.255.255.252
R1(config-if)#clock rate 64000
R1(config-if)#no shutdown
R1(config-if)#exit

R1(config)#interface fastEthernet 0/0
R1(config-if)#ip address 192.168.10.1 255.255.255.0
R1(config-if)#no shutdown

R1(config)#ip route 172.150.1.4 255.255.255.252 serial 0/0/0
R1(config)#ip route 192.168.20.0 255.255.255.0 serial 0/0/0
R1(config)#ip route 192.168.30.0 255.255.255.0 serial 0/0/0
R1(config)#exit
R1#show ip route

Configuration Router R2:

Router>enable
Router#configure terminal
Router(config)#hostname R2
R2(config)#interface serial 0/0/0
R2(config-if)#ip address 172.150.1.2 255.255.255.252
R2(config-if)#no shutdown
R2(config-if)# exit

R2(config)#interface serial 0/0/1
R2(config-if)#ip address 172.150.1.5 255.255.255.252
R2(config-if)#clock rate 64000
R2(config-if)#no shutdown
R2(config-if)#exit

R2(config)#interface fastEthernet 0/0
R2(config-if)#ip address 192.168.20.1 255.255.255.0
R2(config-if)#no shutdown

R2(config)#ip route 192.168.10.0 255.255.255.0 serial 0/0/0
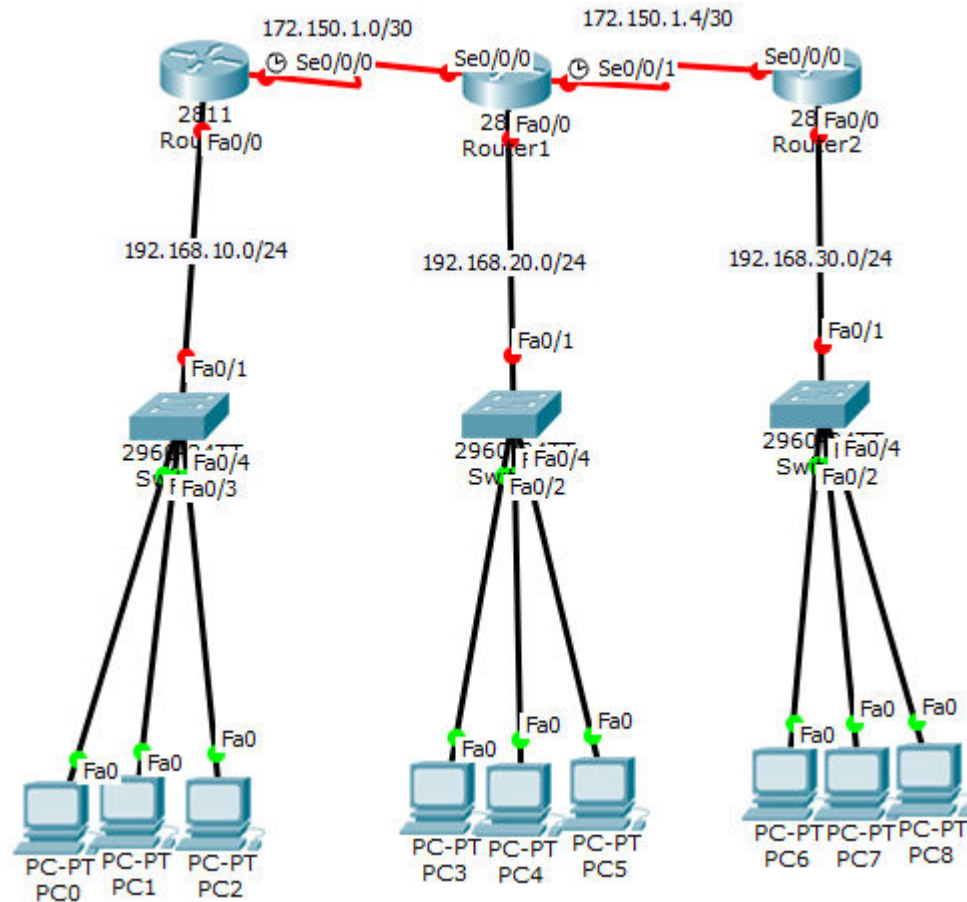R2(config)#ip route 192.168.30.0 255.255.255.0 serial 0/0/1

Configuration Router R3:

Router>enable
Router#configure terminal
Router(config)#hostname R3
R3(config)#interface serial 0/0/0
R3(config-if)#ip address 172.150.1.6 255.255.255.252
R3(config-if)#no shutdown
R3(config-if)#exit

R3(config)#interface fastEthernet 0/0
R3(config-if)#ip address 192.168.30.1 255.255.255.0
R3(config-if)#no shutdown
R3(config-if)#exit

R3(config)#ip route 172.150.1.0 255.255.255.252 serial 0/0/0
R3(config)#ip route 192.168.20.0 255.255.255.0 serial 0/0/0
R3(config)#ip route 192.168.10.0 255.255.255.0 serial 0/0/0

Default Routing

Configuration Router R1:

Router>enable
Router#configure terminal
Router(config)#hostname R1
R1(config)#interface serial 0/0/0
R1(config-if)#ip address 172.150.1.1 255.255.255.252
R1(config-if)#clock rate 64000
R1(config-if)#no shutdown
R1(config-if)#exit

R1(config)#interface fastEthernet 0/0
R1(config-if)#ip address 192.168.10.1 255.255.255.0
R1(config-if)#no shutdown

R1(config)#ip route 0.0.0.0 0.0.0.0 serial 0/0/0

Configuration Router R2:

Router>enable
Router#configure terminal
Router(config)#hostname R2
R2(config)#interface serial 0/0/0
R2(config-if)#ip address 172.150.1.2 255.255.255.252
R2(config-if)#no shutdown
R2(config-if)# exit

R2(config)#interface serial 0/0/1
R2(config-if)#ip address 172.150.1.5 255.255.255.252
R2(config-if)#clock rate 64000
R2(config-if)#no shutdown
R2(config-if)#exit

R2(config)#interface fastEthernet 0/0
R2(config-if)#ip address 192.168.20.1 255.255.255.0
R2(config-if)#no shutdown

R2(config)#ip route 0.0.0.0   0.0.0.0 serial 0/0/0
R2(config)#ip route 0.0.0.0   0.0.0.0 serial 0/0/1

Configuration Router R3:

Router>enable
Router#configure terminal
Router(config)#hostname R3
R3(config)#interface serial 0/0/0
R3(config-if)#ip address 172.150.1.6 255.255.255.252
R3(config-if)#no shutdown
R3(config-if)#exit

R3(config)#interface fastEthernet 0/0
R3(config-if)#ip address 192.168.30.1 255.255.255.0
R3(config-if)#no shutdown
R3(config-if)#exit
R3(config)#ip route 0.0.0.0   0.0.0.0   serial 0/0/0