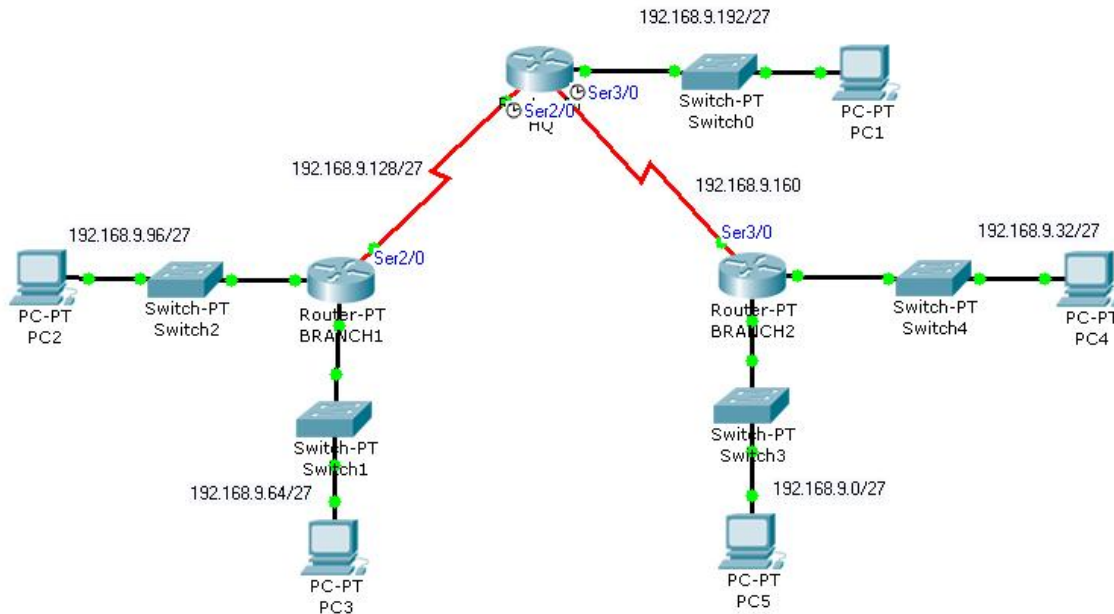


Lab 3.5.2 Subnetting Scenario 1 IP Addressing and Configurations by Jim Johnston



Device	Interface	IP Address	Subnet Mask	Default Gateway
HQ	Fa1/0	192.168.9.193	225.255.255.224	N/A
	S2/0	192.168.9.129	225.255.255.224	N/A
	S3/0	192.168.9.161	225.255.255.224	N/A
BRANCH1	Fa0/0	192.168.9.65	225.255.255.224	N/A
	Fa1/0	192.168.9.97	225.255.255.224	N/A
	S2/0	192.168.9.158	225.255.255.224	N/A
BRANCH2	Fa0/0	192.168.9.33	225.255.255.224	N/A
	Fa1/0	192.168.9.1	225.255.255.224	N/A
	S3/0	192.168.9.190	225.255.255.224	N/A
PC1	NIC	192.168.9.222	225.255.255.224	192.168.9.193
PC2	NIC	192.168.9.126	225.255.255.224	192.168.9.97
PC3	NIC	192.168.9.94	225.255.255.224	192.168.9.65
PC4	NIC	192.168.9.62	225.255.255.224	192.168.9.33
PC5	NIC	192.168.9.30	225.255.255.224	192.168.9.1

Configurations

```
HQ#sh run
!
version 12.2
!
hostname HQ
!
interface FastEthernet0/0
no ip address
duplex auto
speed auto
shutdown
!
interface FastEthernet1/0
ip address 192.168.9.193 255.255.255.224
duplex auto
speed auto
!
interface Serial2/0
ip address 192.168.9.129 255.255.255.224
clock rate 56000
!
interface Serial3/0
ip address 192.168.9.161 255.255.255.224
clock rate 56000
!
interface FastEthernet4/0
no ip address
shutdown
!
interface FastEthernet5/0
no ip address
shutdown
!
ip classless
ip route 192.168.9.0 255.255.255.192 Serial3/0
ip route 192.168.9.64 255.255.255.192 Serial2/0
!
!
!
!
line con 0
!
end
```

```
BRANCH1#sh run
!  
version 12.2  
!  
hostname BRANCH1  
!  
interface FastEthernet0/0  
ip address 192.168.9.65 255.255.255.224  
duplex auto  
speed auto  
!  
interface FastEthernet1/0  
ip address 192.168.9.97 255.255.255.224  
duplex auto  
speed auto  
!  
interface Serial2/0  
ip address 192.168.9.158 255.255.255.224  
!  
interface Serial3/0  
no ip address  
shutdown  
!  
interface FastEthernet4/0  
no ip address  
shutdown  
!  
interface FastEthernet5/0  
no ip address  
shutdown  
!  
ip classless  
ip route 0.0.0.0 0.0.0.0 Serial2/0  
!  
!  
!  
!  
line con 0  
!  
end
```

```
BRANCH2#sh run
!  
version 12.2  
!  
hostname BRANCH2  
!  
interface FastEthernet0/0  
ip address 192.168.9.33 255.255.255.224  
duplex auto  
speed auto  
!  
interface FastEthernet1/0  
ip address 192.168.9.1 255.255.255.224  
duplex auto  
speed auto  
!  
interface Serial2/0  
no ip address  
shutdown  
!  
interface Serial3/0  
ip address 192.168.9.190 255.255.255.224  
!  
interface FastEthernet4/0  
no ip address  
shutdown  
!  
interface FastEthernet5/0  
no ip address  
shutdown  
!  
ip classless  
ip route 0.0.0.0 0.0.0.0 Serial3/0  
!  
!  
!  
!  
line con 0  
!  
end
```