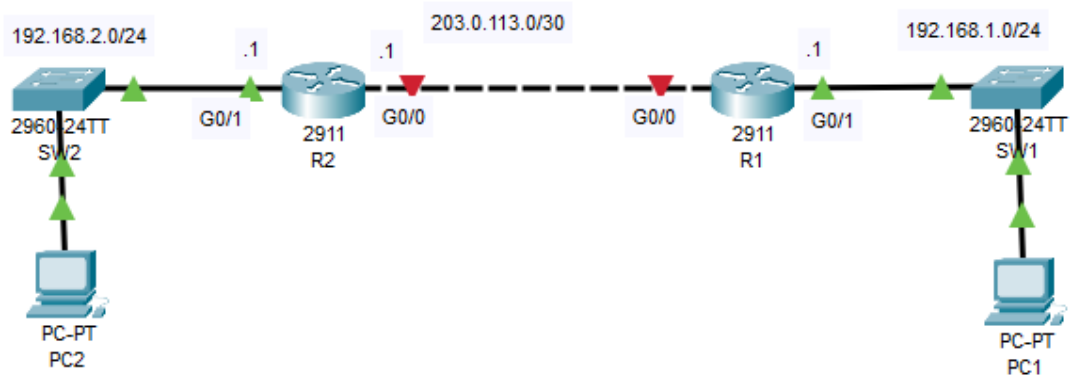

1. Configure the following DHCP pools on R2:
POOL1: 192.168.1.0/24 (reserve .1 to .10)
    DNS 8.8.8.8
    Domain: AussiePuppy.com
    Default Gateway: R1
POOL2: 192.168.2.0/24 (reserve .1 to .10)
    DNS 8.8.8.8
    Domain: AussiePuppy.com
    Default Gateway: R2
POOL3: 203.0.113.0/30 (reserve .1)

R2#ip dhcp excluded-addresses 192.168.1.1 192.168.1.10
R2#ip dhcp excluded-addresses 192.168.2.1 192.168.2.10
R2#ip dhcp excluded-addresses 203.0.113.1

R2#ip dhcp pool pool1
R2#dns-server 8.8.8.8
R2#domain-name AussiePuppy.com
R2#default-router 192.168.1.1
R2#network 192.168.1.0 255.255.255.0

R2#ip dhcp pool pool2
R2#dns-server 8.8.8.8
R2#domain-name AussiePuppy.com
R2#default-router 192.168.2.1
R2#network 192.168.2.0 255.255.255.0

R2#ip dhcp pool pool3
R2#network 203.0.113.0 255.255.255.252

R2#Do sh run | section dhcp

```
R2(dhcp-config)#do sh run | section dhcp
ip dhcp excluded-address 192.168.1.1 192.168.1.10
ip dhcp excluded-address 192.168.2.1 192.168.2.10
ip dhcp excluded-address 203.0.113.1
ip dhcp pool POOL1
 network 192.168.1.0 255.255.255.0
 default-router 192.168.1.1
 dns-server 8.8.8.8
 domain-name jeremysitlab.com
ip dhcp pool POOL2
 network 192.168.2.0 255.255.255.0
 default-router 192.168.2.1
 dns-server 8.8.8.8
 domain-name jeremysitlab.com
ip dhcp pool POOL3
 network 203.0.113.0 255.255.255.252
```

2. Configure R1's G0/0 interface as a DHCP client.
   What IP address did it configure?

R1#int g0/0
R1#ip address dhcp
R1#no shut

3. Configure R1 as a DHCP relay agent for the 192.168.1.0/24 subnet.

R1#int g0/1
R1#ip helper-address 203.0.113.1

4. Use the CLI of PC1 and PC2 to make them request an IP address
   from their DHCP server.

```
C:\>ipconfig /renew

   IP Address.....................: 192.168.1.12
   Subnet Mask....................: 255.255.255.0
   Default Gateway................: 192.168.1.1
   DNS Server.....................: 8.8.8.8
```