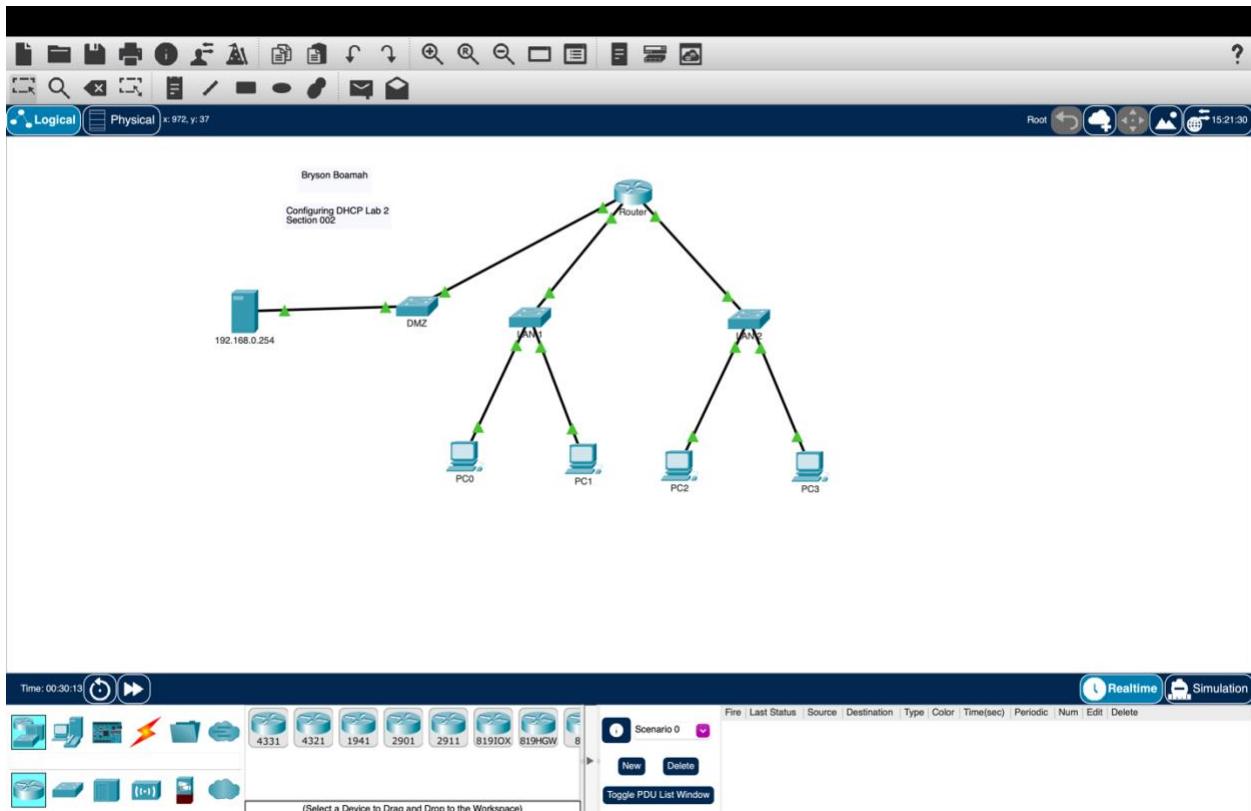


Networking Infrastructure Management

Configuring DHCP Lab 2

Complete the DHCP Lab 2 and submit the following screenshots. Ensure all screenshots are viewable.

1. The network diagram includes the router, three switches, a server, and four PCs. The statically assigned interfaces are annotated. Student's name, section number, and lab number are shown.



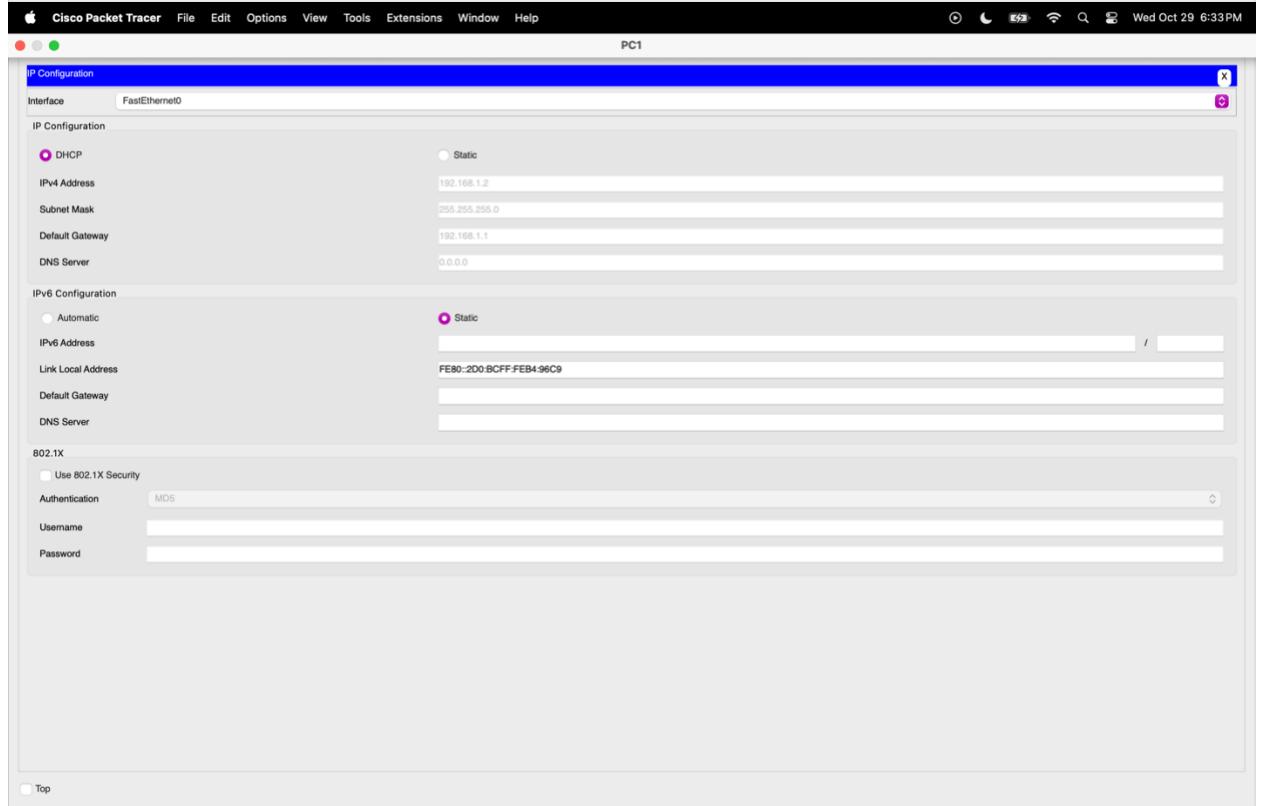
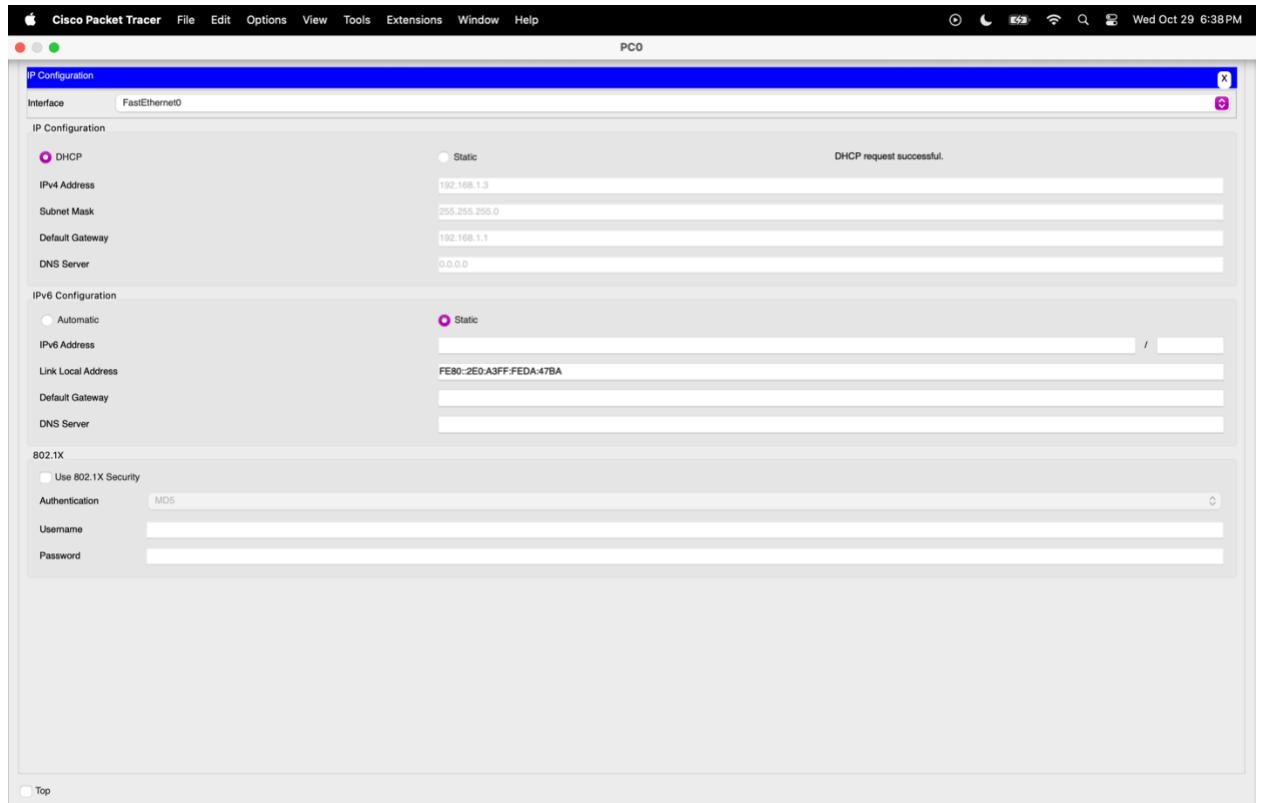
2. The 'show run' command displays the three router interfaces with valid assigned IP and the ip helper-addresses. Hit 'enter' several times until the configuration is displayed.

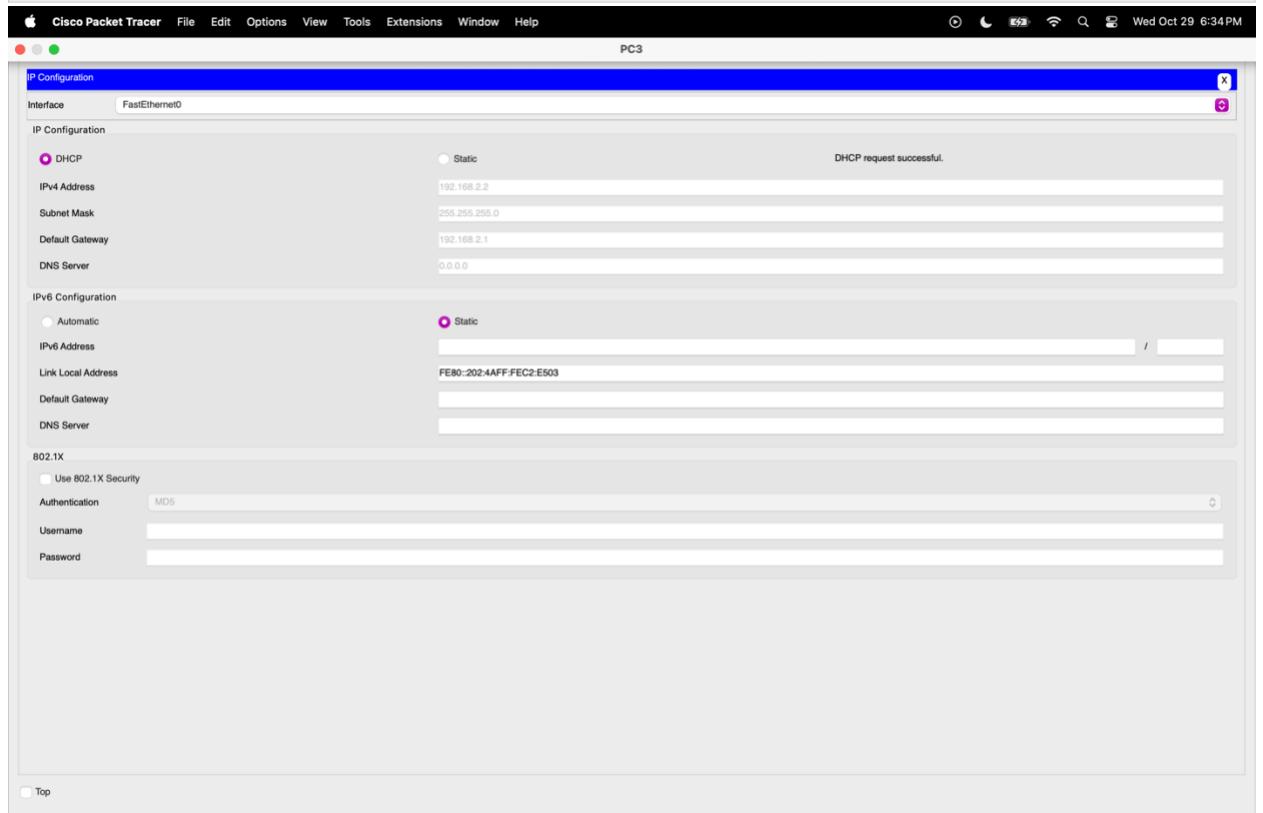
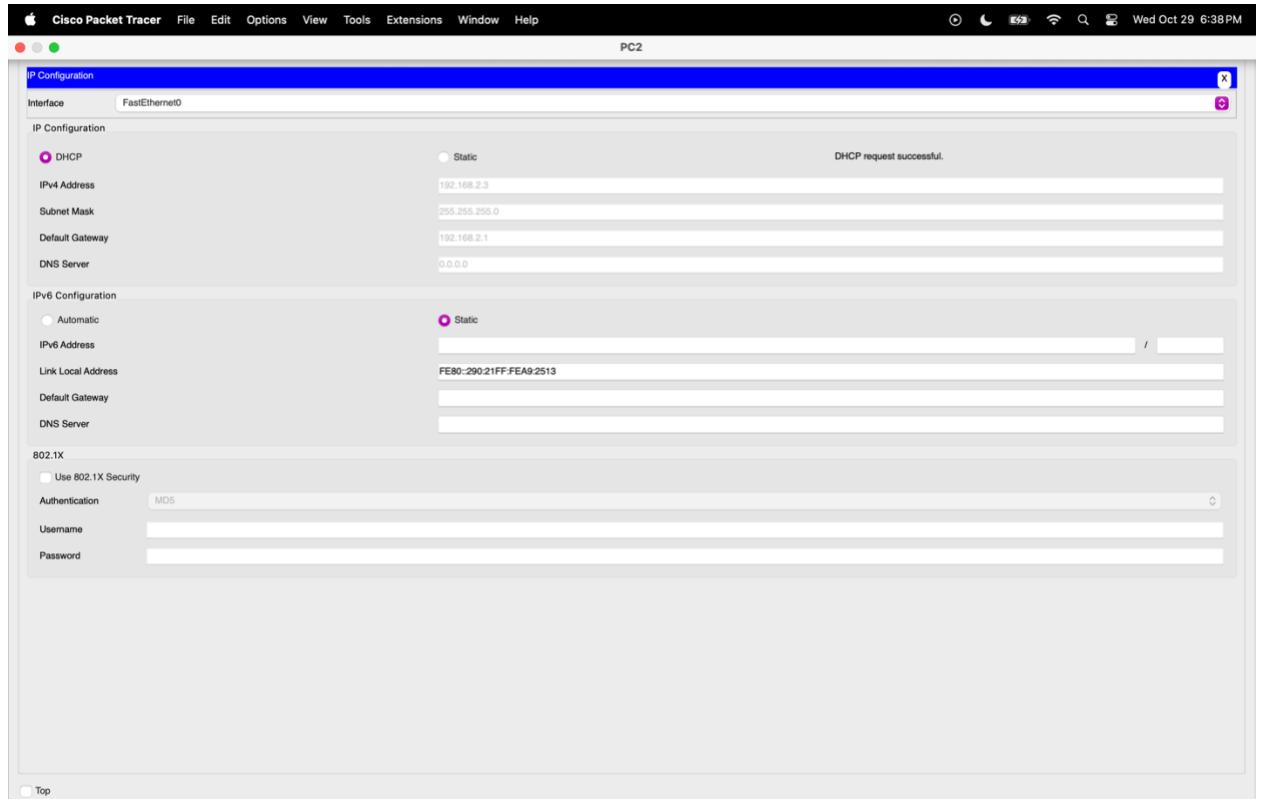
Physical Config **CLI** Attributes

IOS Command Line Interface

```
|  
| hostname Router  
|  
|  
|  
|  
|  
| no ip cef  
| no ipv6 cef  
|  
|  
|  
|  
|  
|  
|  
|  
|  
| interface FastEthernet0/0  
| ip address 192.168.0.1 255.255.255.0  
| duplex auto  
| speed auto  
|  
| interface FastEthernet1/0  
| ip address 192.168.1.1 255.255.255.0  
| ip helper-address 192.168.0.254  
| duplex auto  
| speed auto  
|  
| interface FastEthernet1/1  
| ip address 192.168.1.2 255.255.255.0  
| ip helper-address 192.168.0.254  
| duplex auto  
| speed auto  
|  
| interface Serial3/0  
| no ip address  
| clock rate 20000000  
| shutdown  
|  
| interface Serial4/0  
| no ip address  
| clock rate 20000000  
| shutdown  
|  
| interface FastEthernet0/0  
| no ip address  
| shutdown  
|  
| interface FastEthernet0/1  
| no ip address  
| shutdown  
|  
| ip classless  
|  
| ip flow-export version 9  
|  
|  
Router#
```

3. DHCP Configuration on the PC showing the PC has been assigned a valid address, subnet mask, and default gateway through DHCP. (Desktop → IP Configuration)





4. Configuration of the DHCP pools displaying the correct range of IP addressing and default gateway address for each subnet.