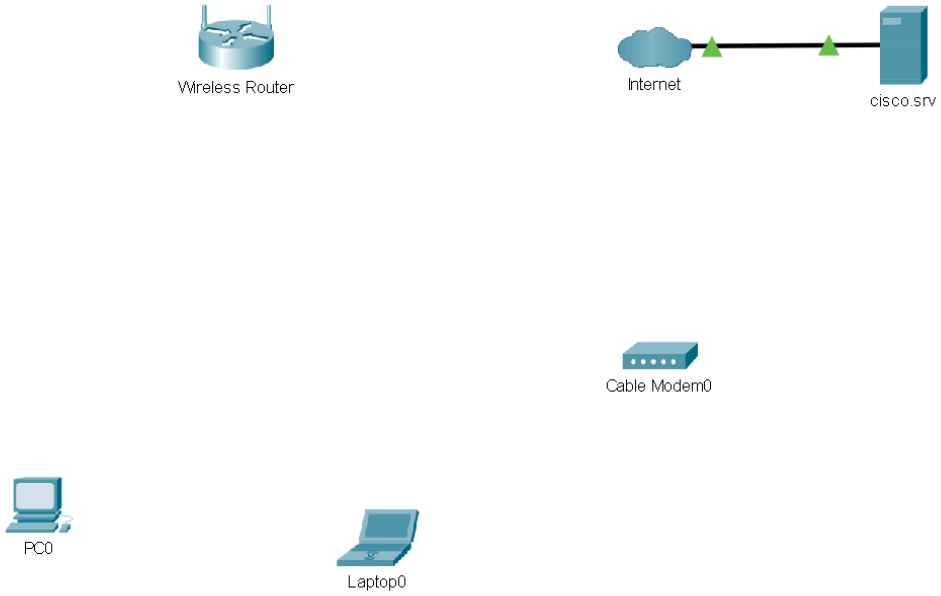
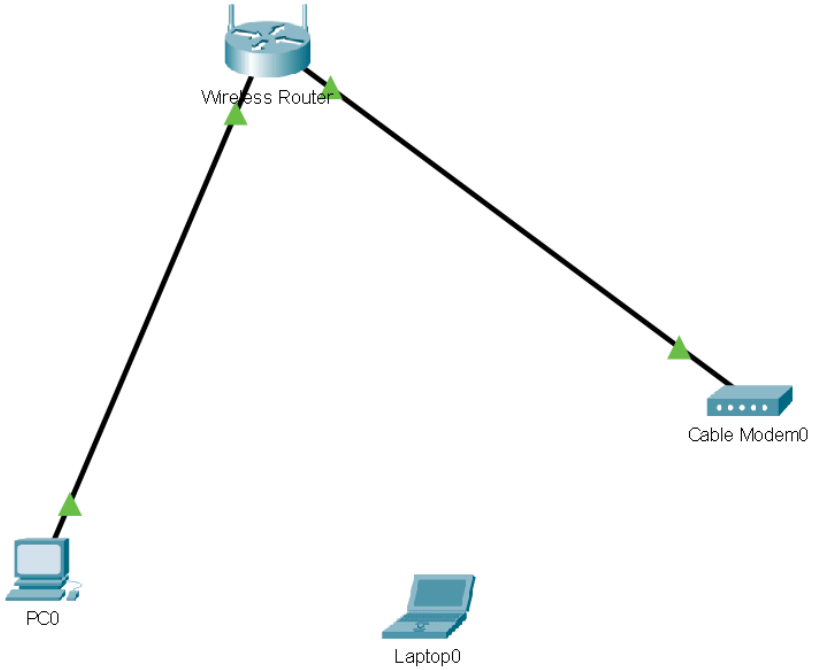
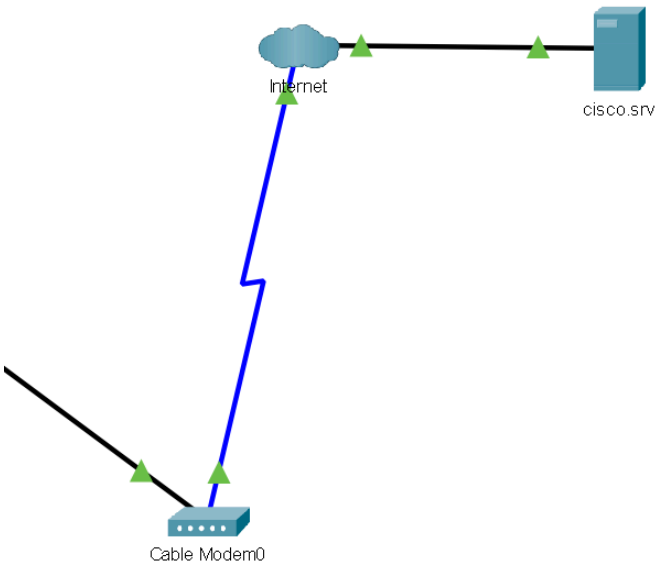
First, I added End devices (PC & Laptop) and Network Devices (cable modem) to the workspace.



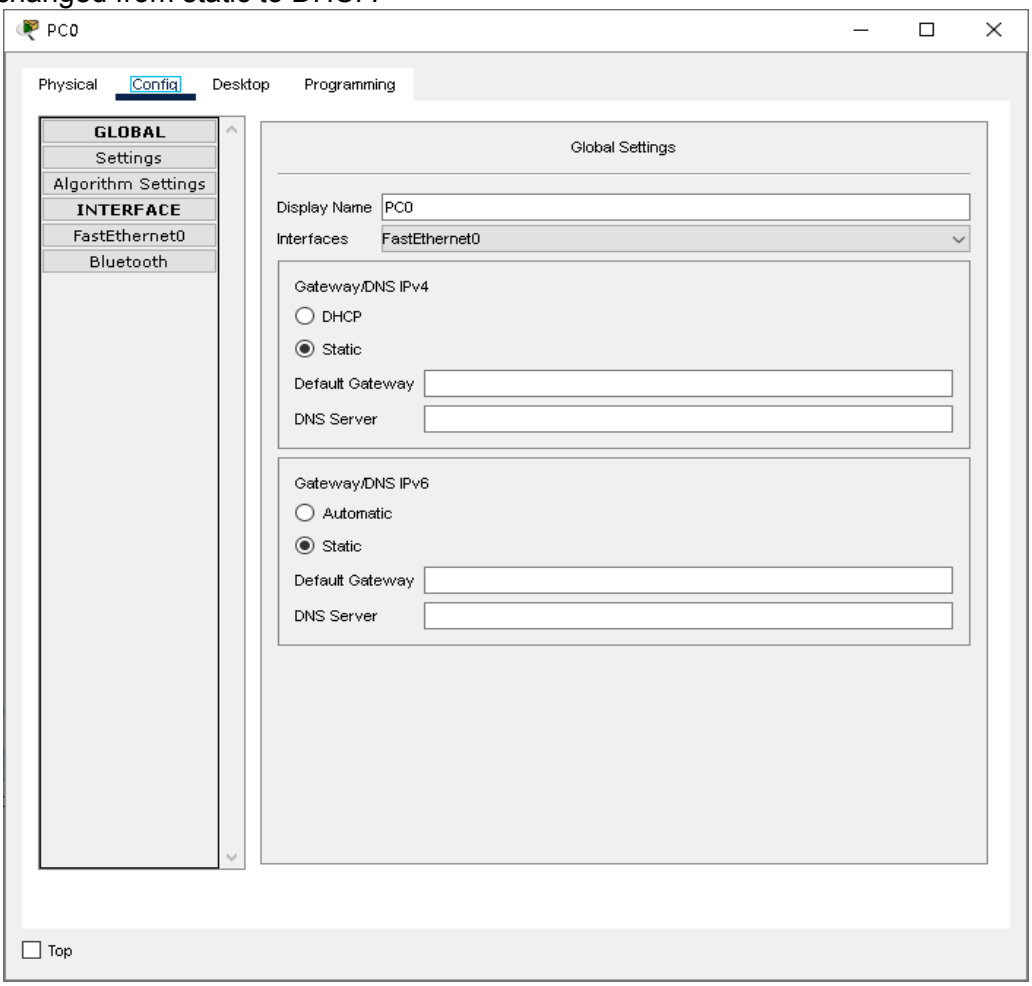
Next, I started wiring. I used Copper straight-through cables to connect the pc to the wireless router and another from the router to the cable modem. This is the same cable connecting the Internet cloud to the example Cisco server.



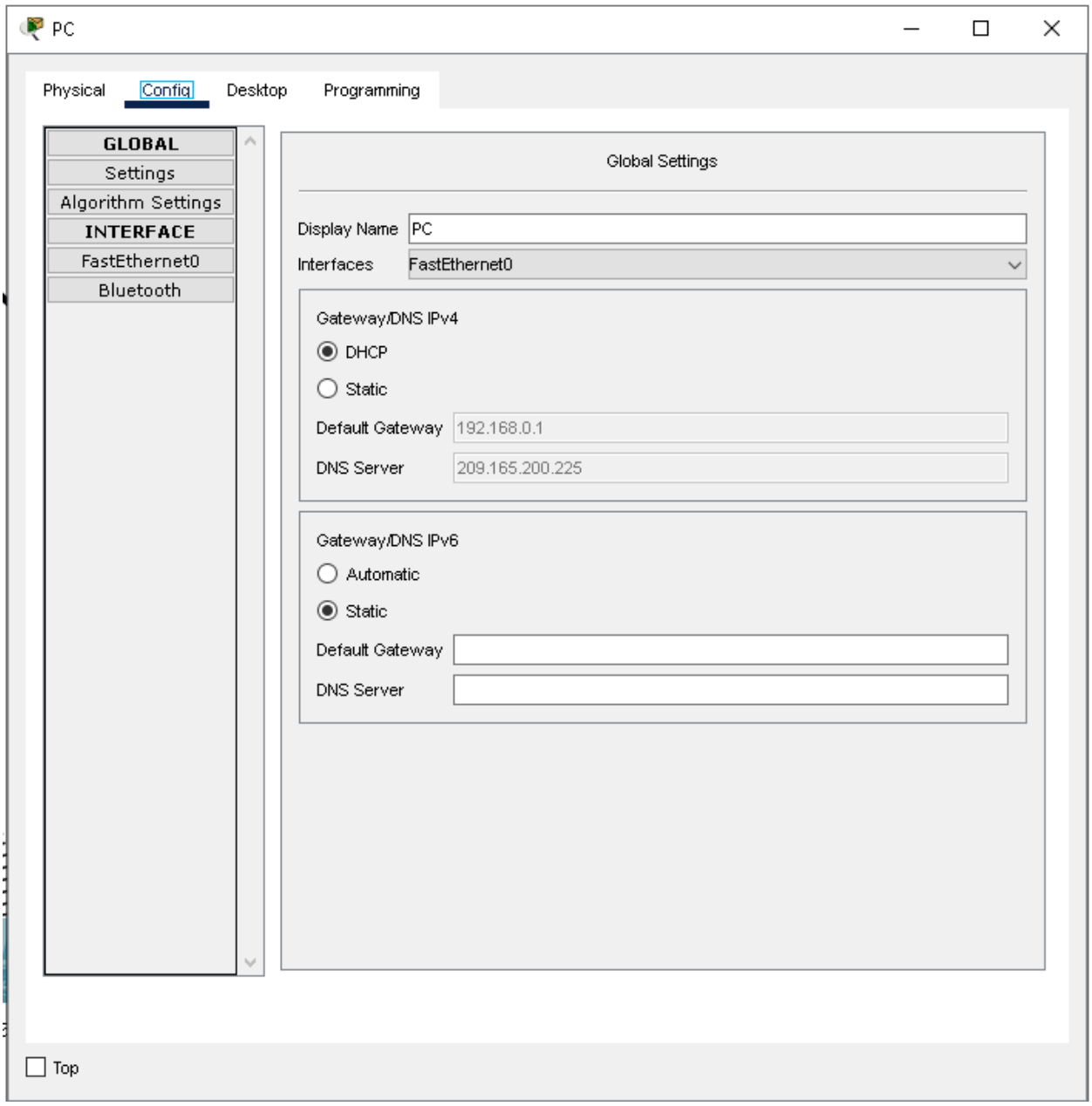
I used a Coaxial cable to connect the Cable Modem to the Internet cloud.



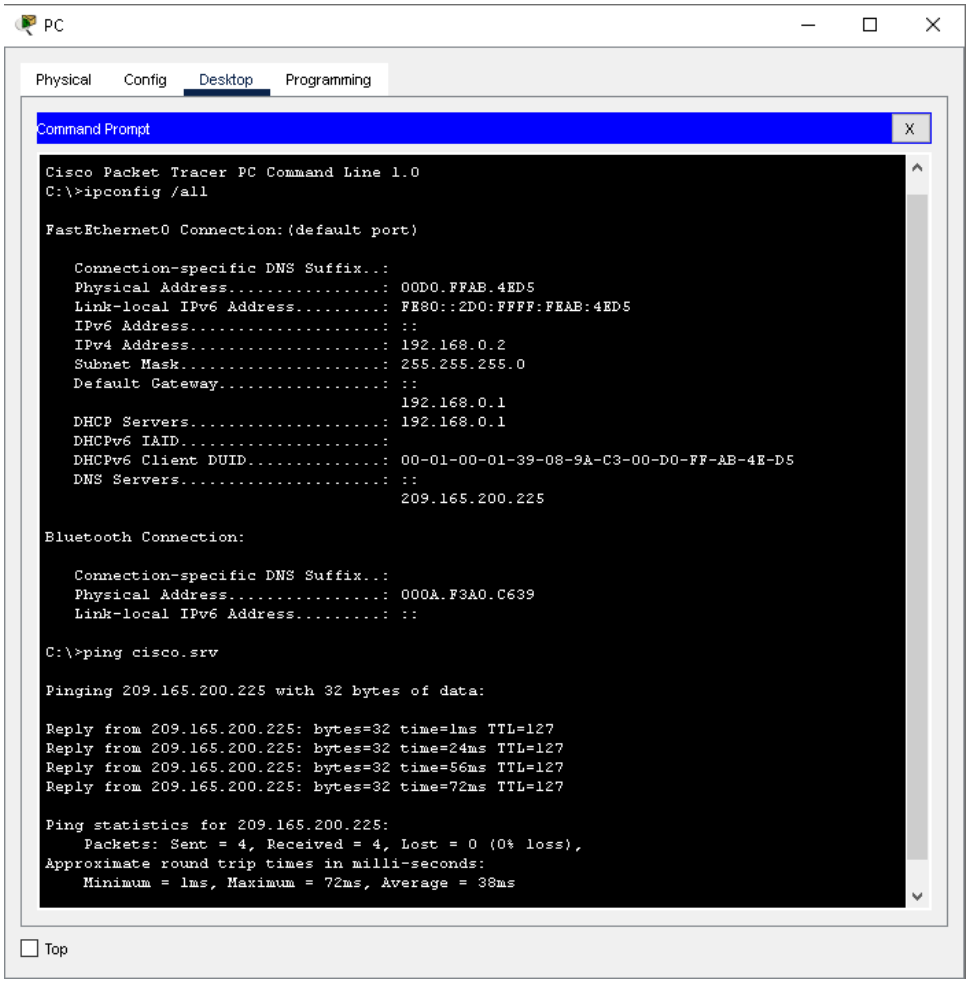
Next, I configure the PC. First, I set up the Dynamic host configuration protocol (DHCP). I changed from static to DHCP.



With DHCP selected, The PC has now received an IPv4 address.



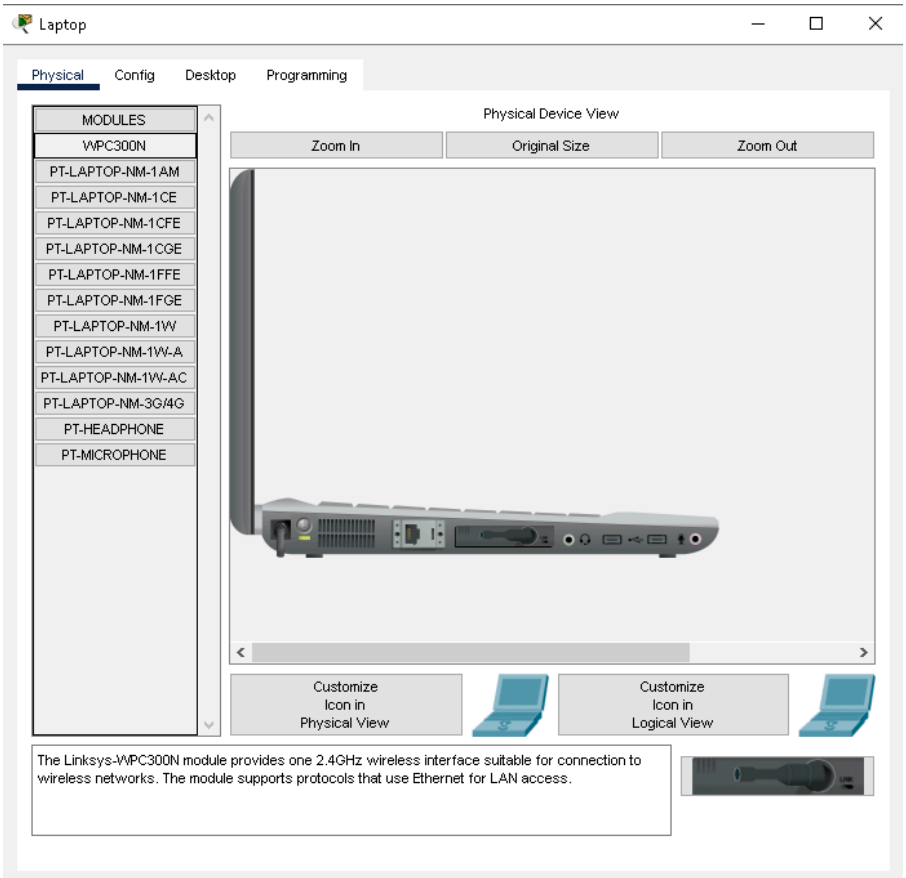
Next I open Command Prompt on the PC and use **ipconfig /all** to review the IPv4 address information, then use the **ping cisco.srv** command to test the connectivity from the PC to the Cisco server.



To configure the laptop, first I removed the ethernet copper NIC and replaced it with a wireless WPC300N NIC.

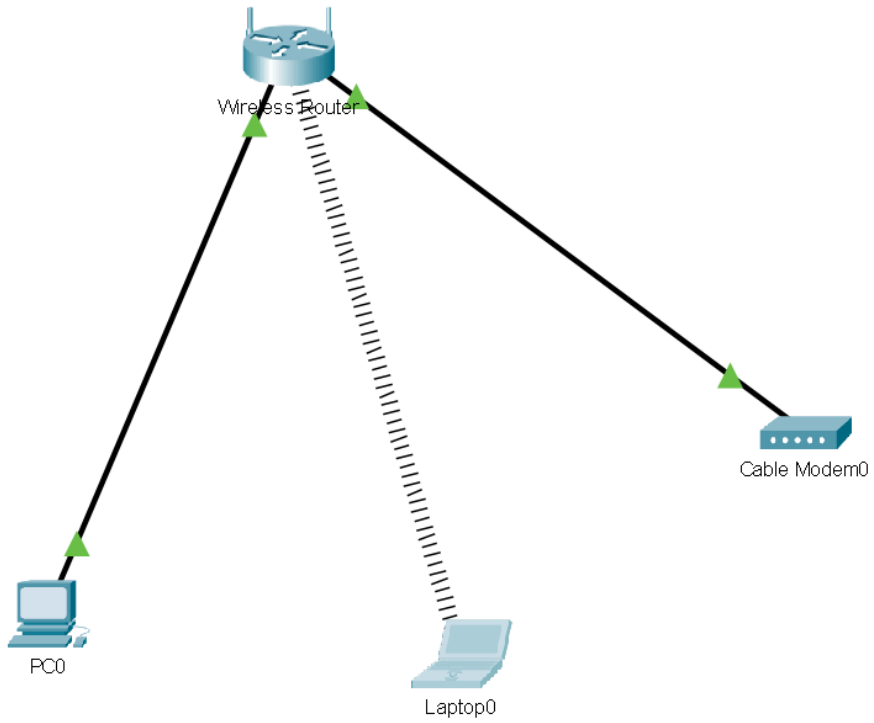
Ethernet:

Wireless:

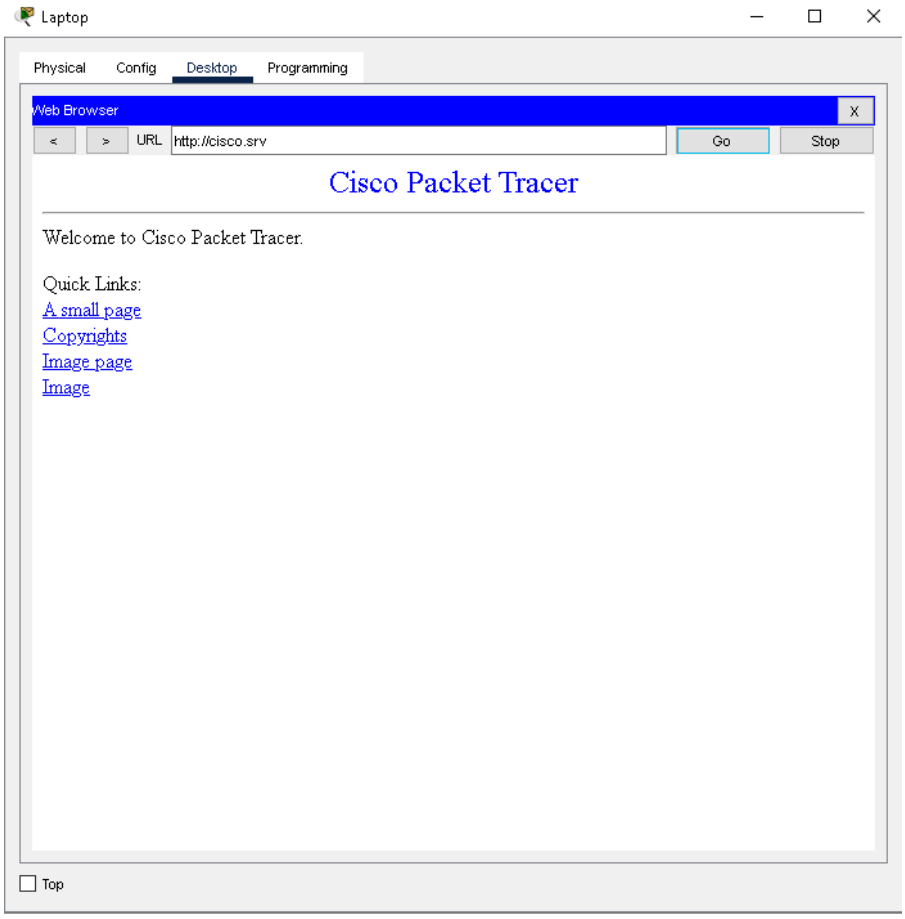


Now that the wireless module is installed, I navigate through the desktop to the home network.

The laptop is now be wirelessly connected to the router:



The laptop successfully connects to cisco.srv site:



Final Network Diagram: