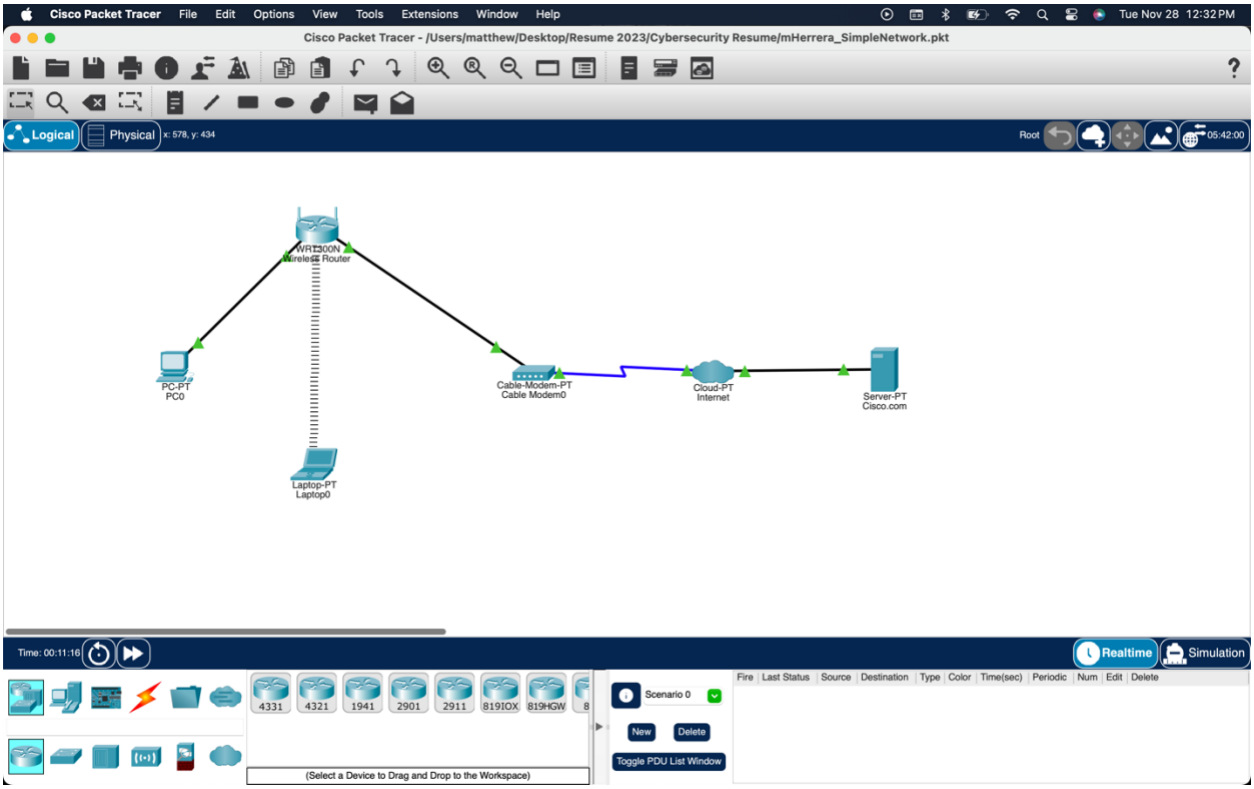
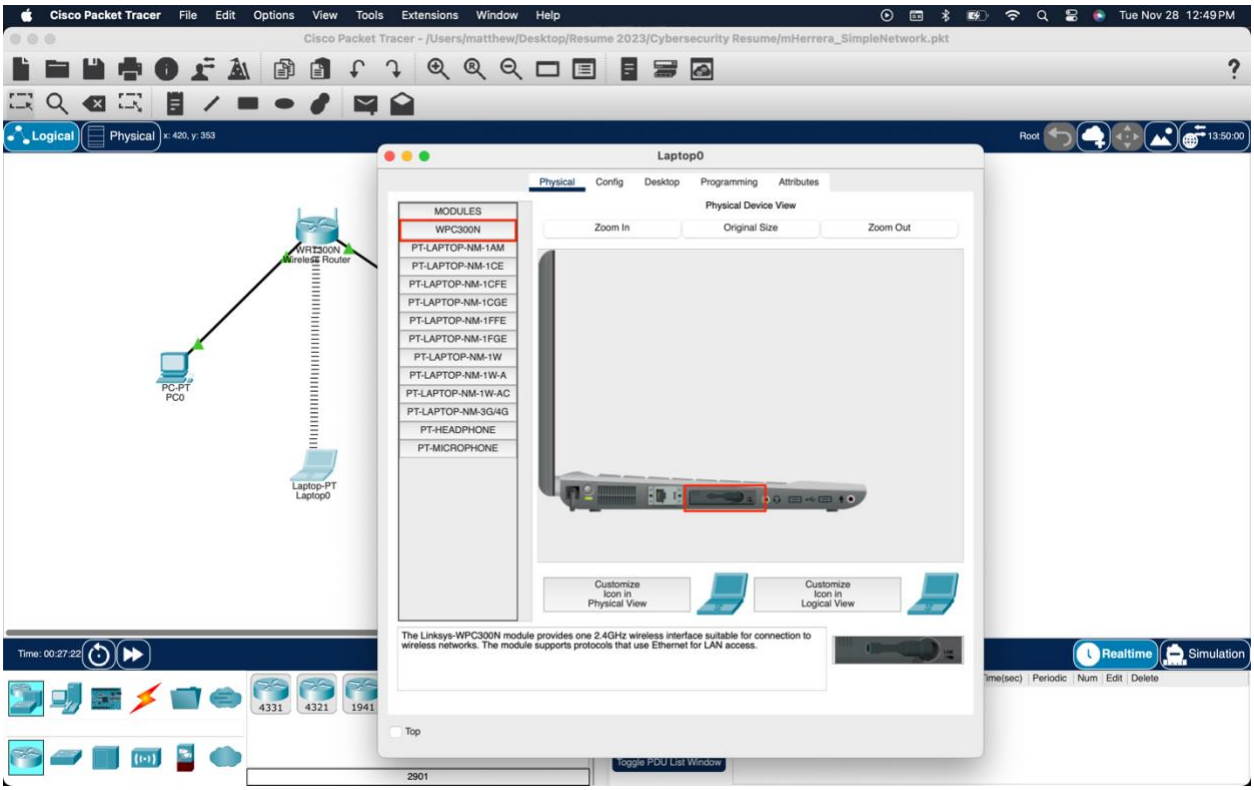
My Simple Network w/ Cisco Packet Tracer

Yeah, that's right you know the drill. Here's the topology of the network:

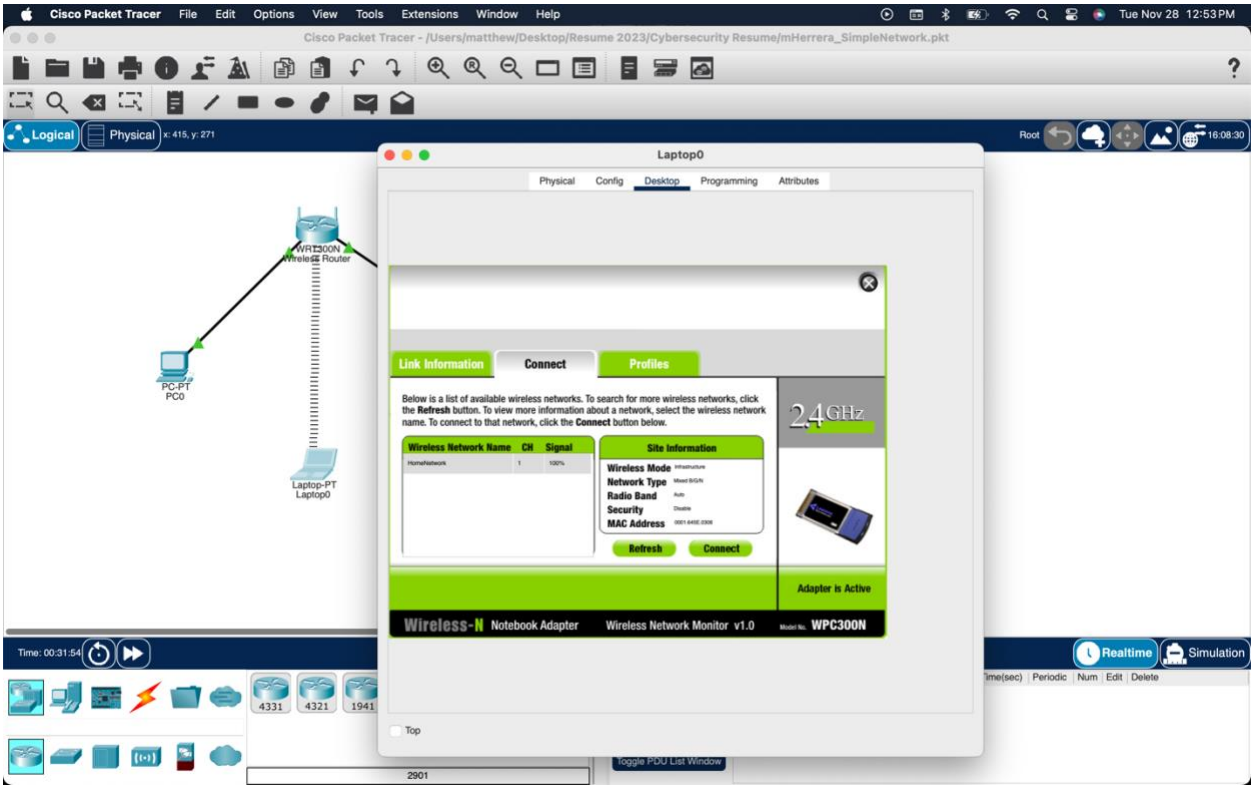


You can see that there's two end user devices: the pc and the laptop. The laptop, along with the modem, and the internet to the cisco.com server, are connected using a copper straight-through cable.

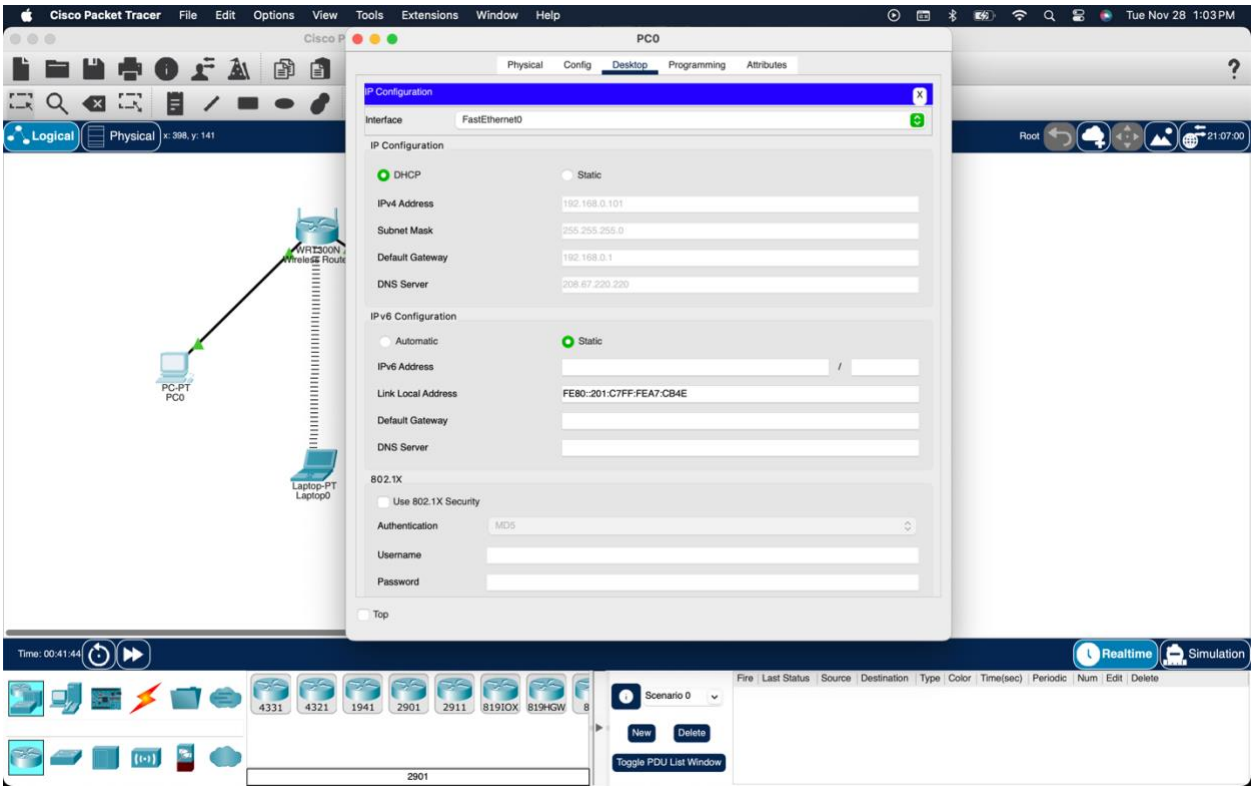
While the laptop has been configured to accept Wi-Fi connectivity with a WPC300N wireless module as shown below.



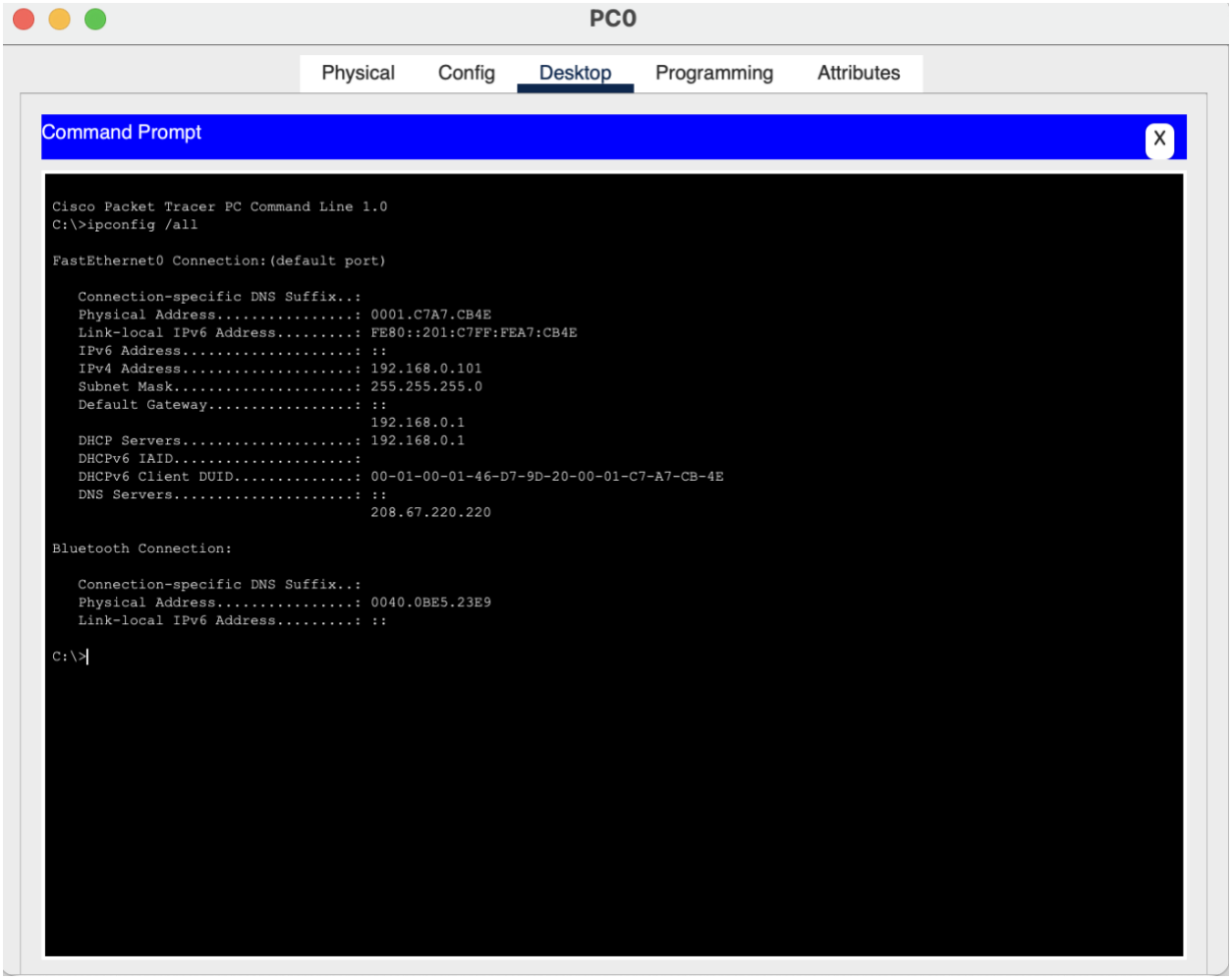
And now it looks like we're ready to connect to the network wirelessly:



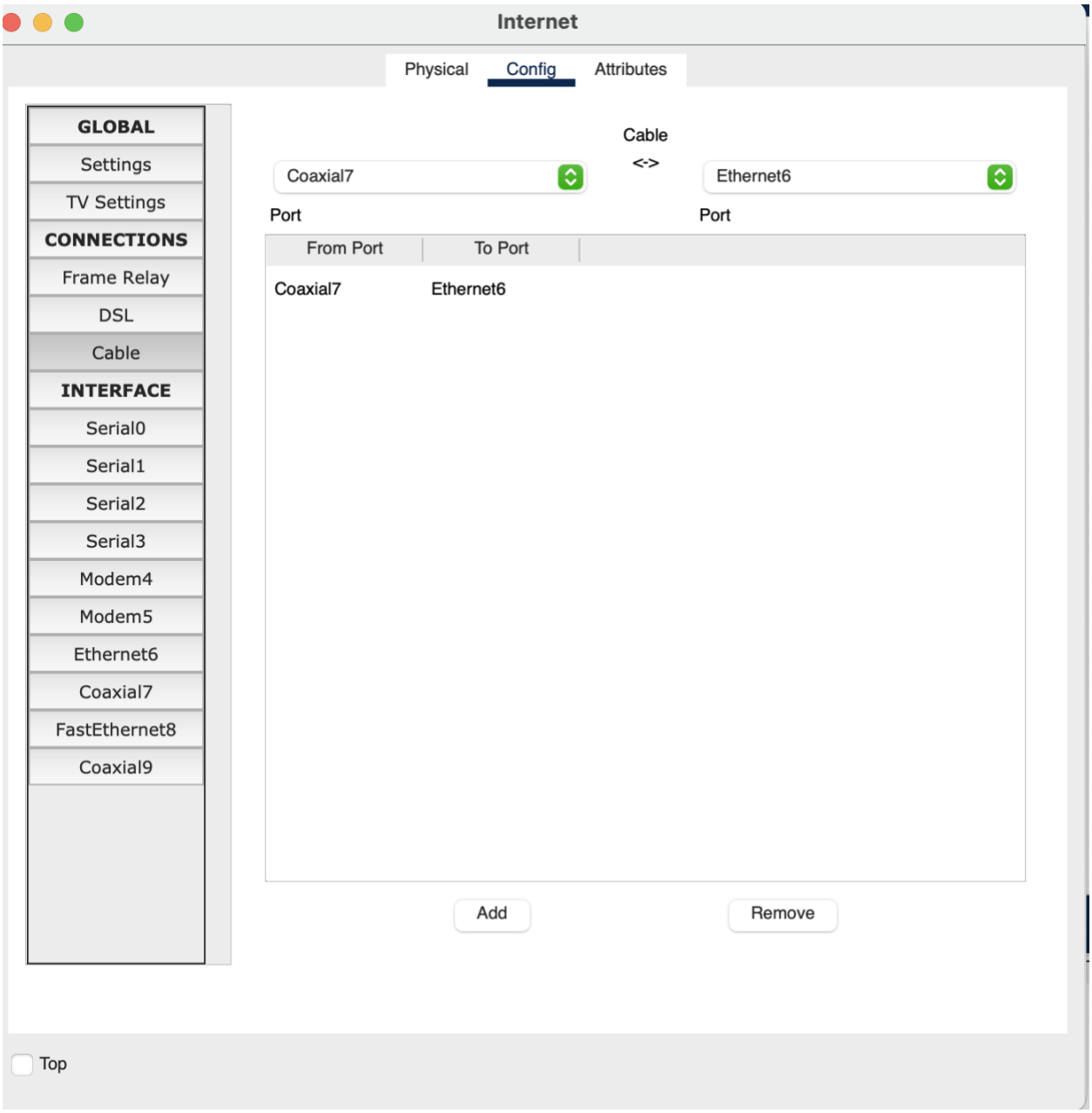
Now how about we configure the PC. We'll need to select DCHP so that the PC will receive an IPv4 address from the wireless router.



And if we check, we can see that we're now receiving an IPv4 address in the 192.168.0.x range.

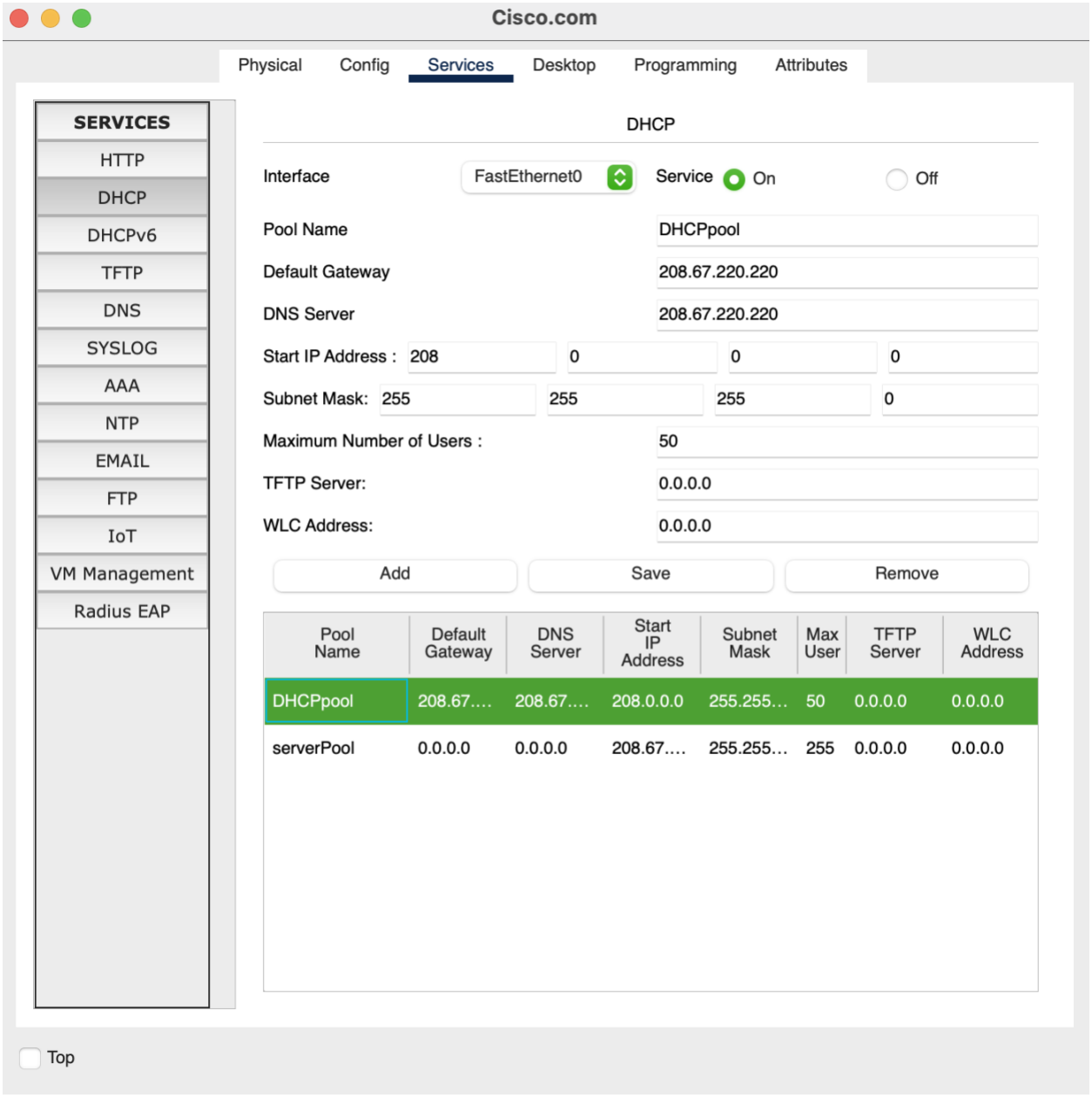


Now we're just going to check the cable connections for the internet cloud. For the connection from the modem to the cloud, we're using a coaxial cable.

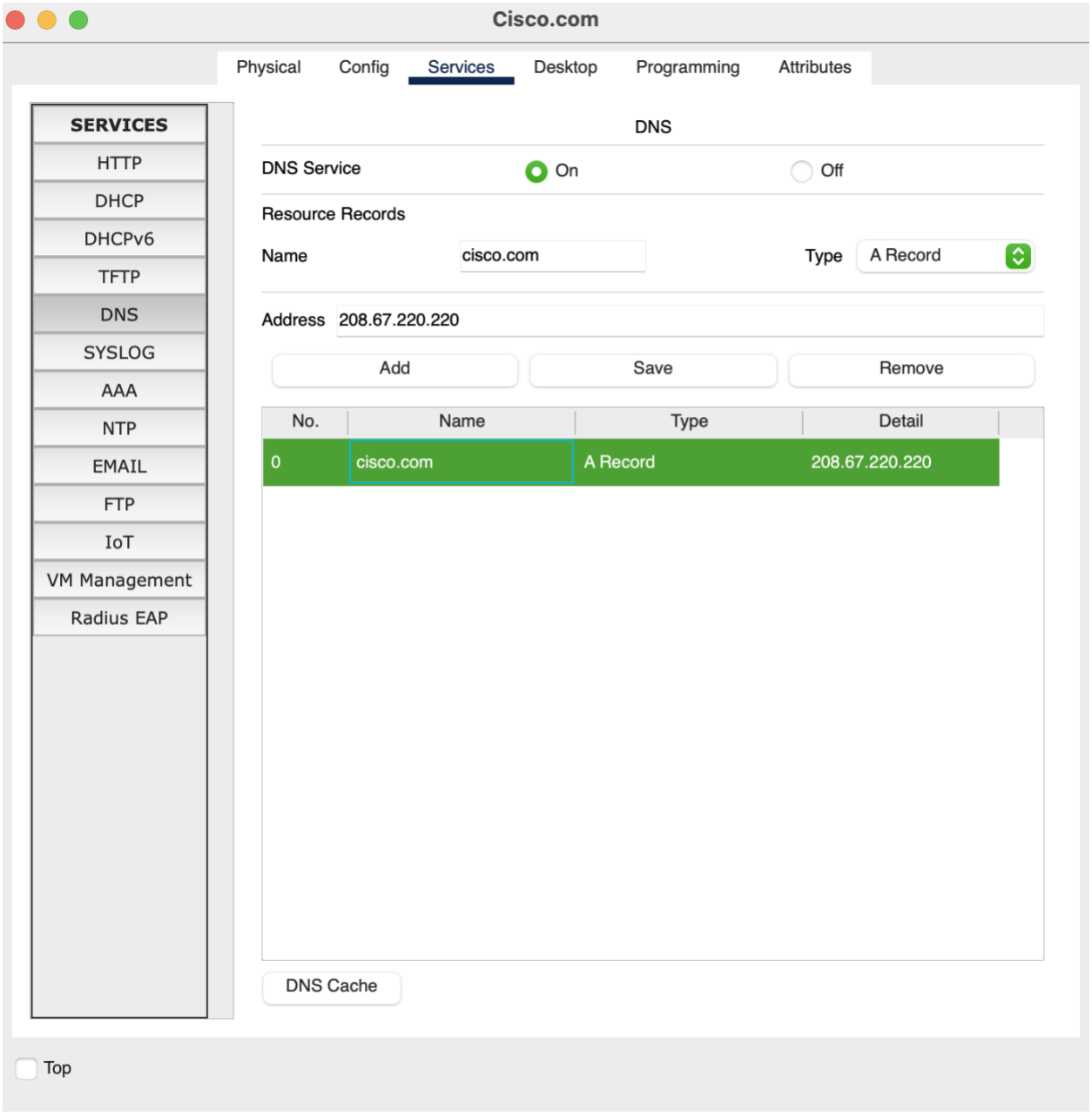


Alrighty. While we're still here in the Config tab, let's check the ethernet interface. We're doing this to identify the type of provider we currently have. Let's make sure it's Cable.

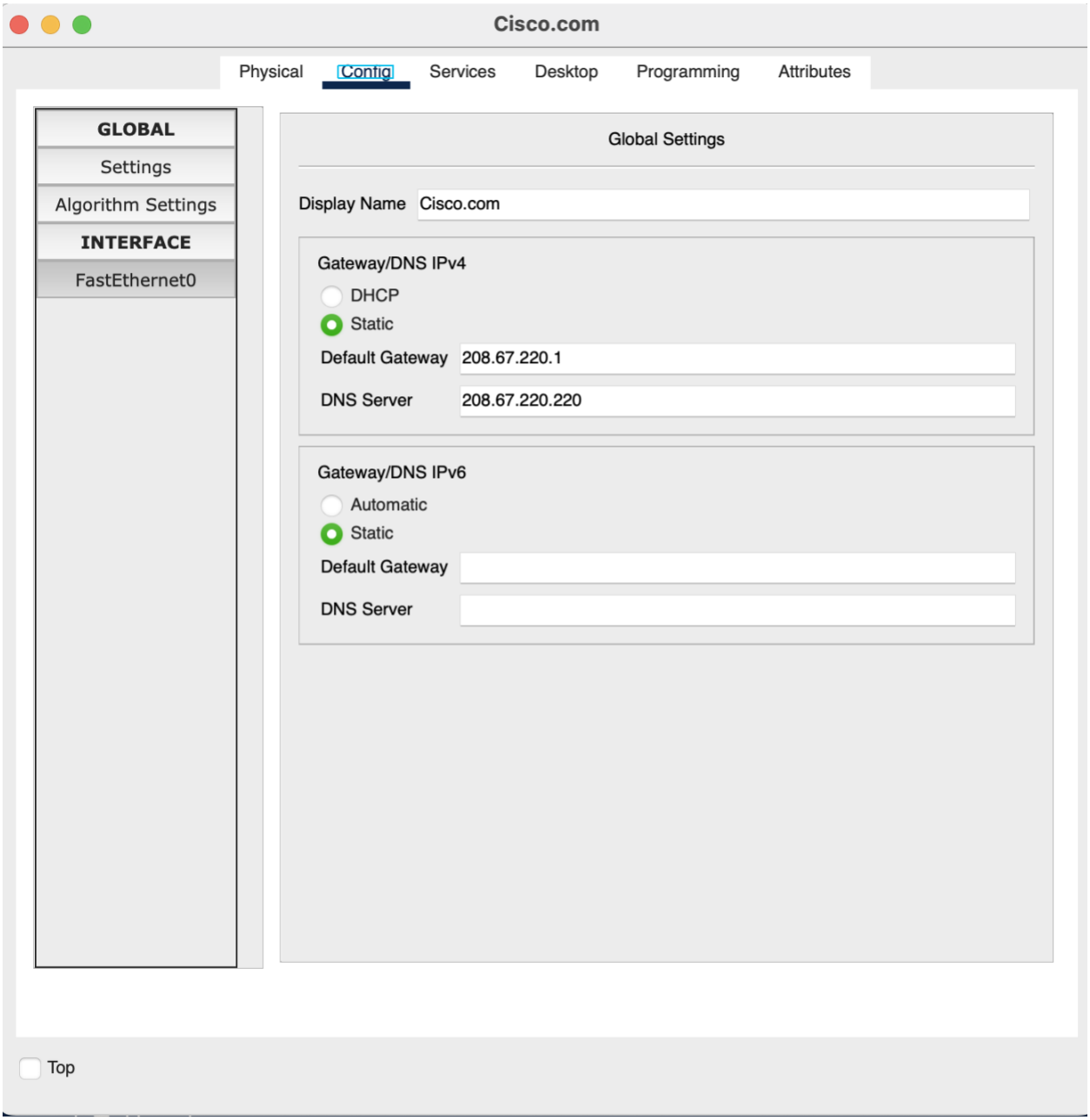
Now let’s see configure the Cisco.com server as a DHCP server.

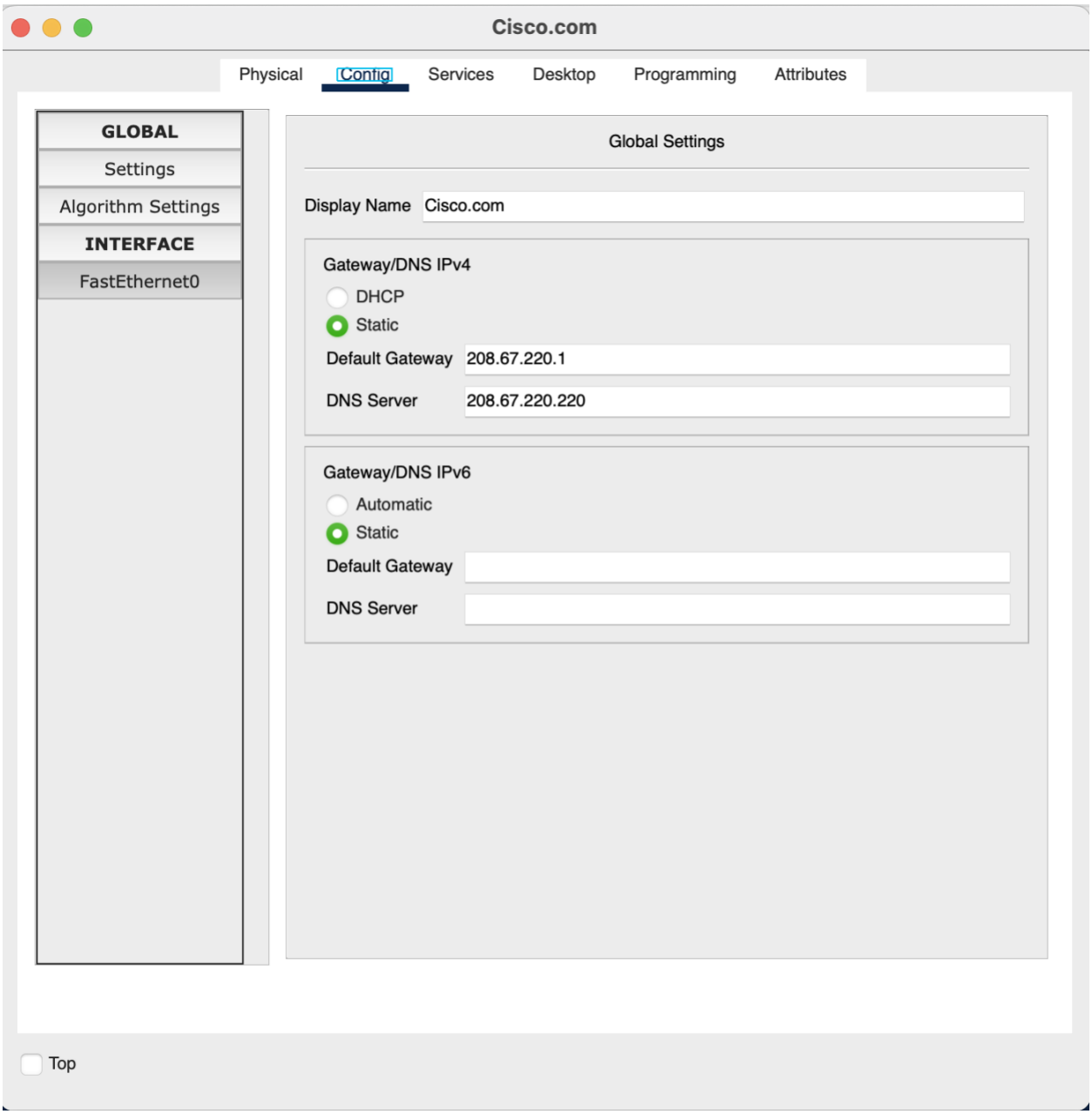


Let’s configure the Cisco.com server as a DNS server to provide a domain name to the IPv4 address.

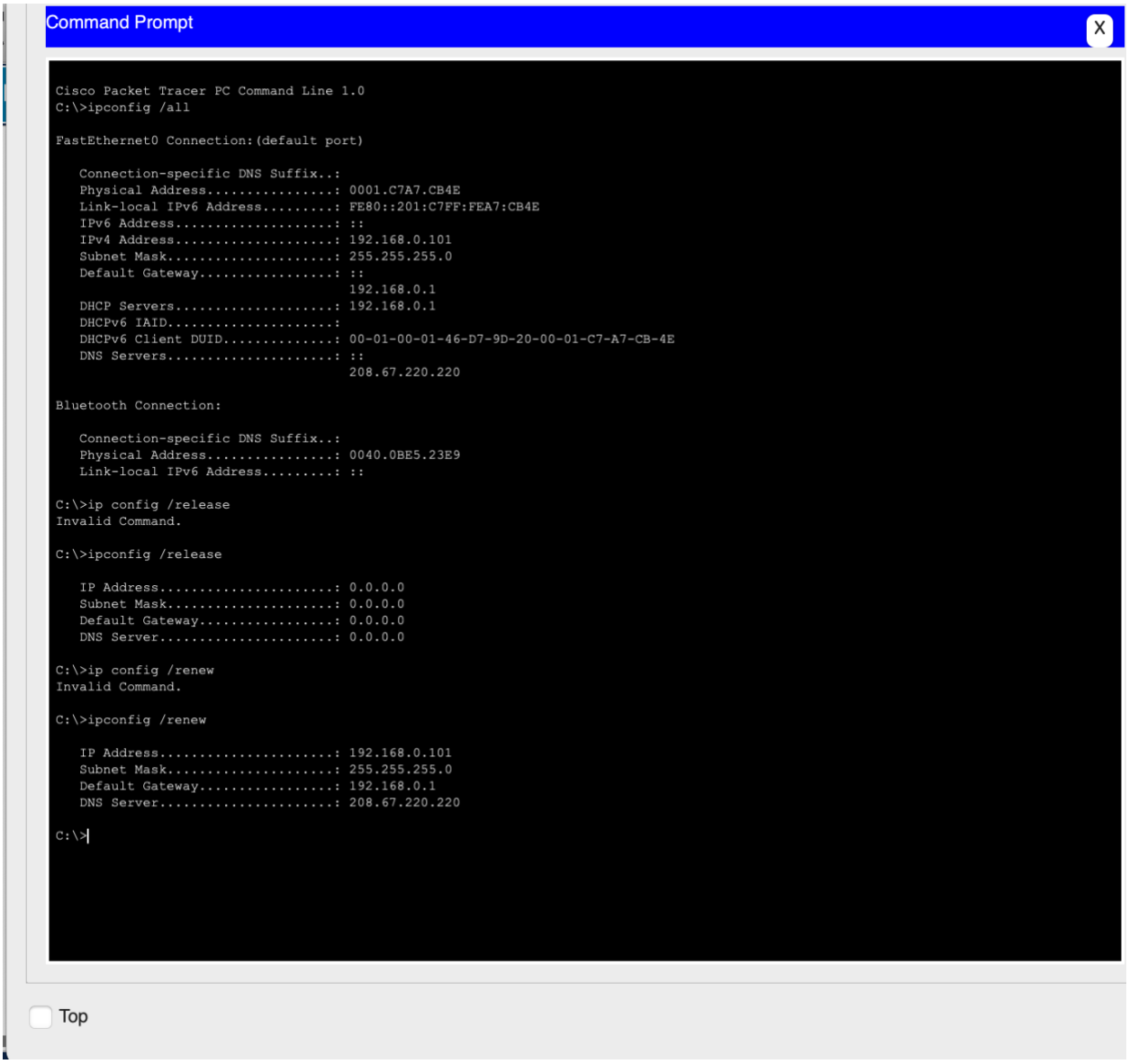


Almost done with the Cisco server. Let’s configure the Global settings. We want the Gateway to be static.




Cisco.com
Physical
Config
Services
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Global Settings
Display Name
Cisco.com
Gateway/DNS IPv4
DHCP
Static
Default Gateway
208.67.220.1
DNS Server
208.67.220.220
Gateway/DNS IPv6
Automatic
Static
Default Gateway
DNS Server
Top

Finally, let's see if this network really works. We can see that the output shows that the PC has an address in the 192.168.0 range, along with a subnet mask, a Default Gateway, and DNS server.



Now let’s ping the Cisco.com server!