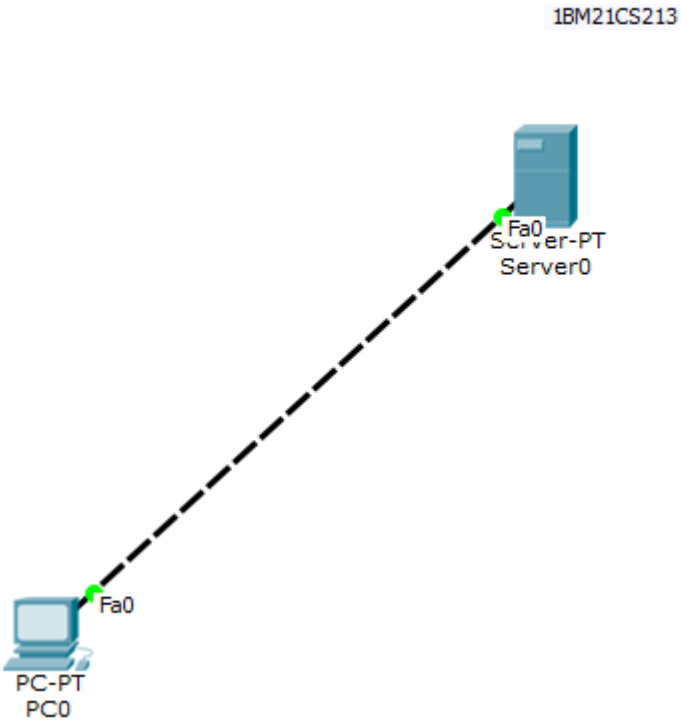
WEEK 5

Configuring HTTP and DNS Server:-

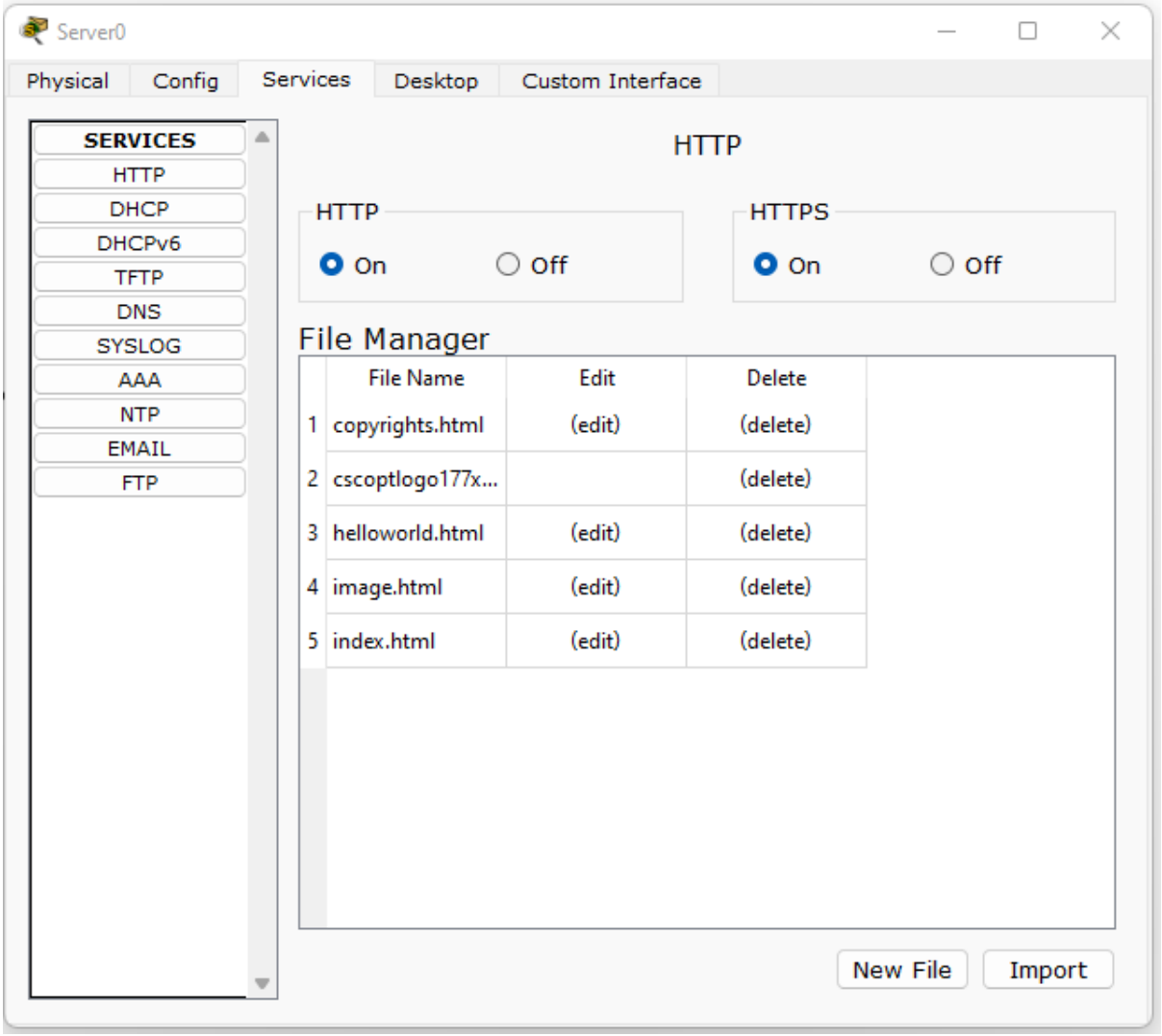
Create a topology consisting of one end device and one server.

Network:-



Procedure:-

1. Create a topology as shown above.
2. Set IP addresses for end devices and server, both should have the same network.
3. Go to Server -> Services -> HTTP -> Click on for both HTTP AND HTTPS

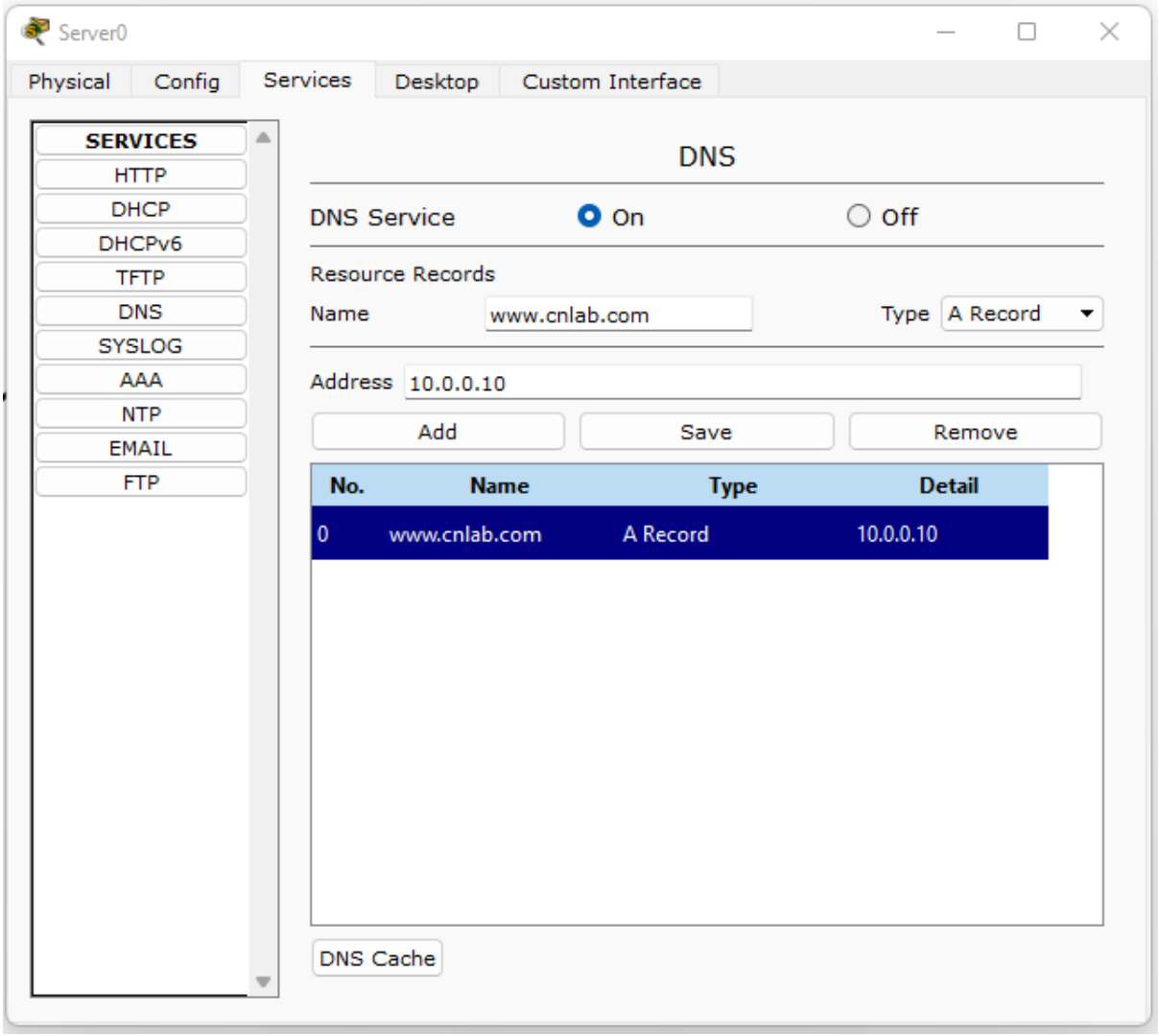


4. Go to Server -> Services -> DNS -> Click on

Enter name: www.cnlab.com

Enter address: 10.0.0.10

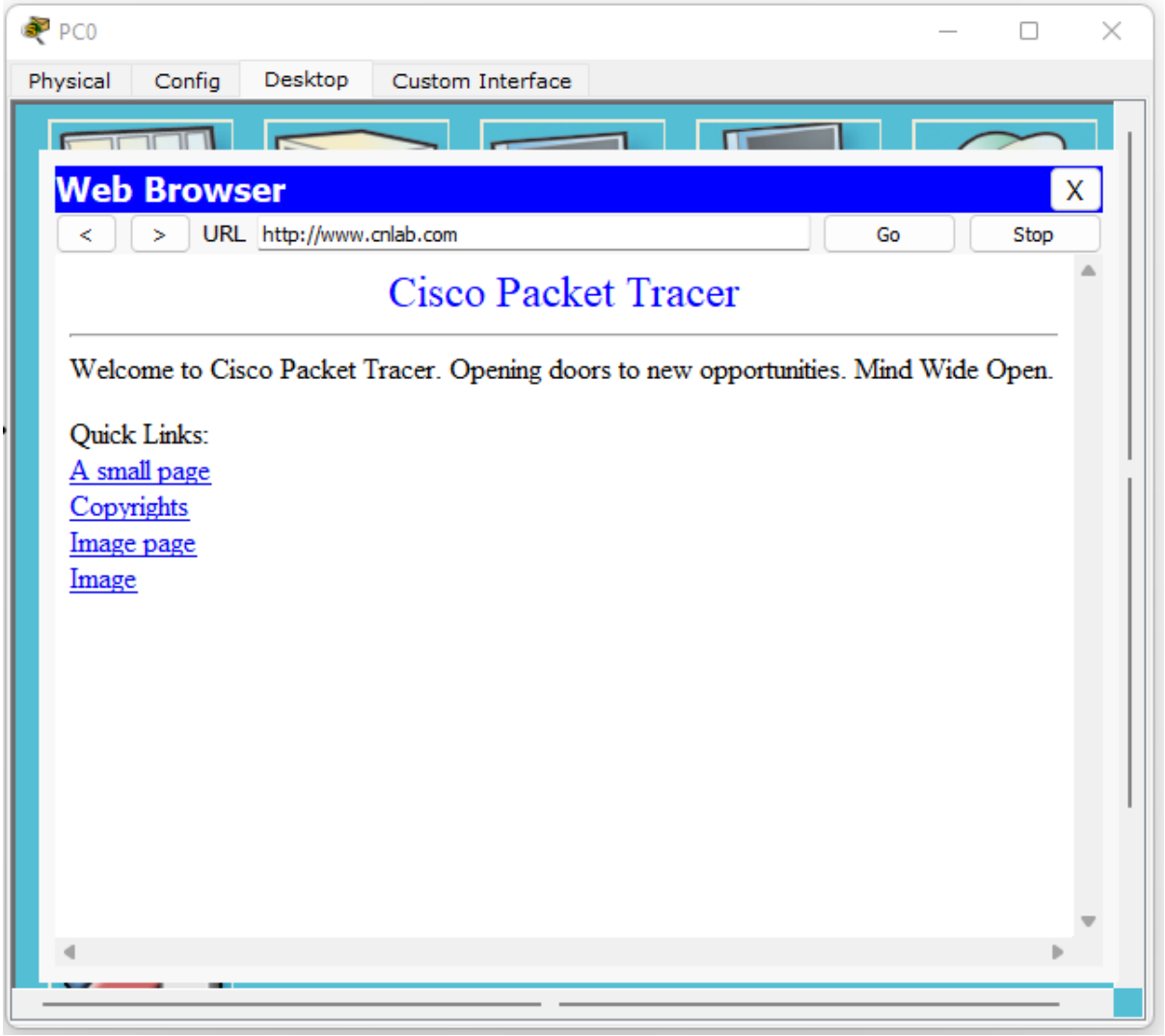
Click Add.



5. Click the end device -> Desktop -> Web browser ->

Enter URL: www.cnlab.com

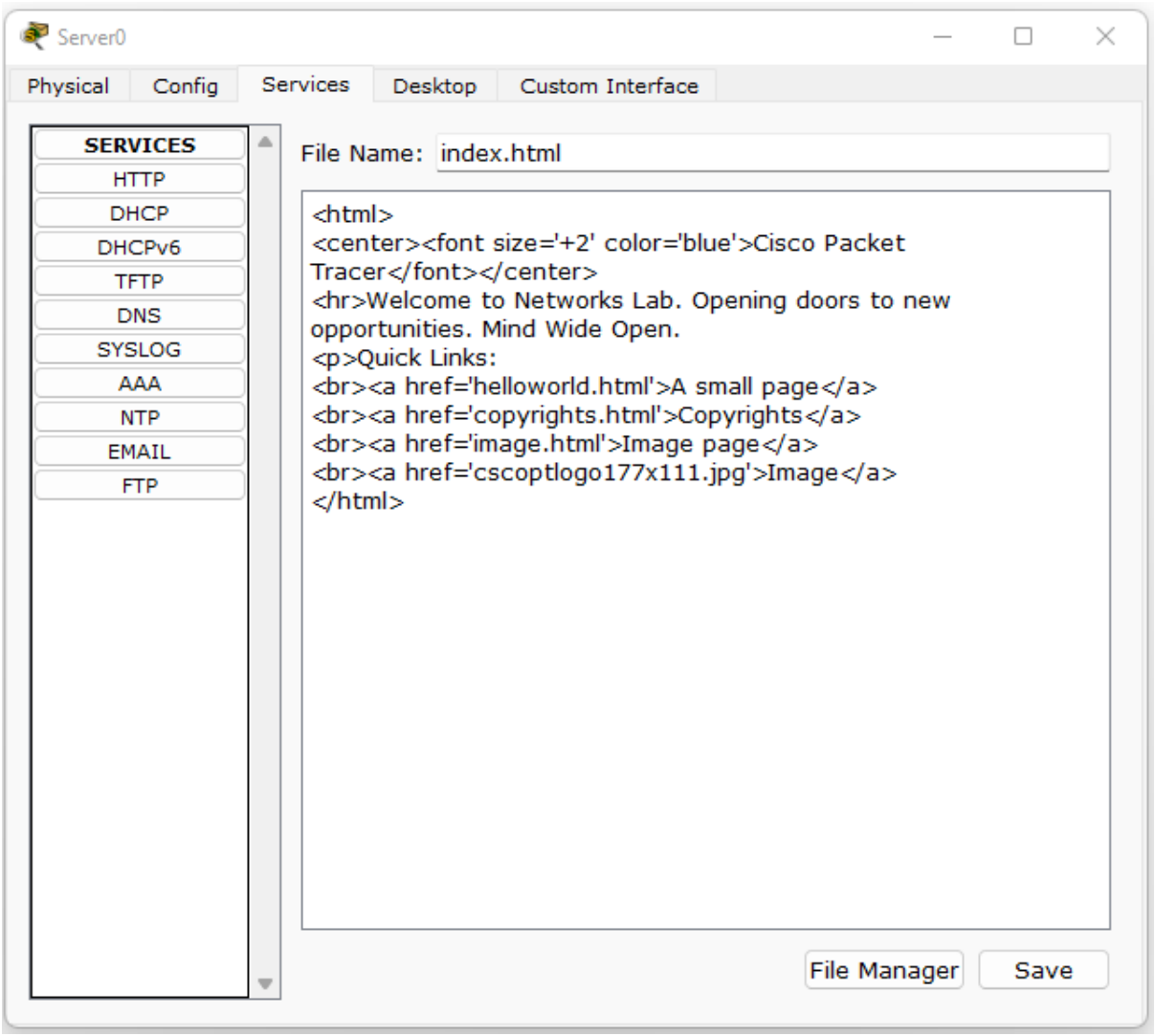
The webpage will be displayed.



6. Close the browser.

7. Click on Server -> Services -> HTTP -> index.html (edit)

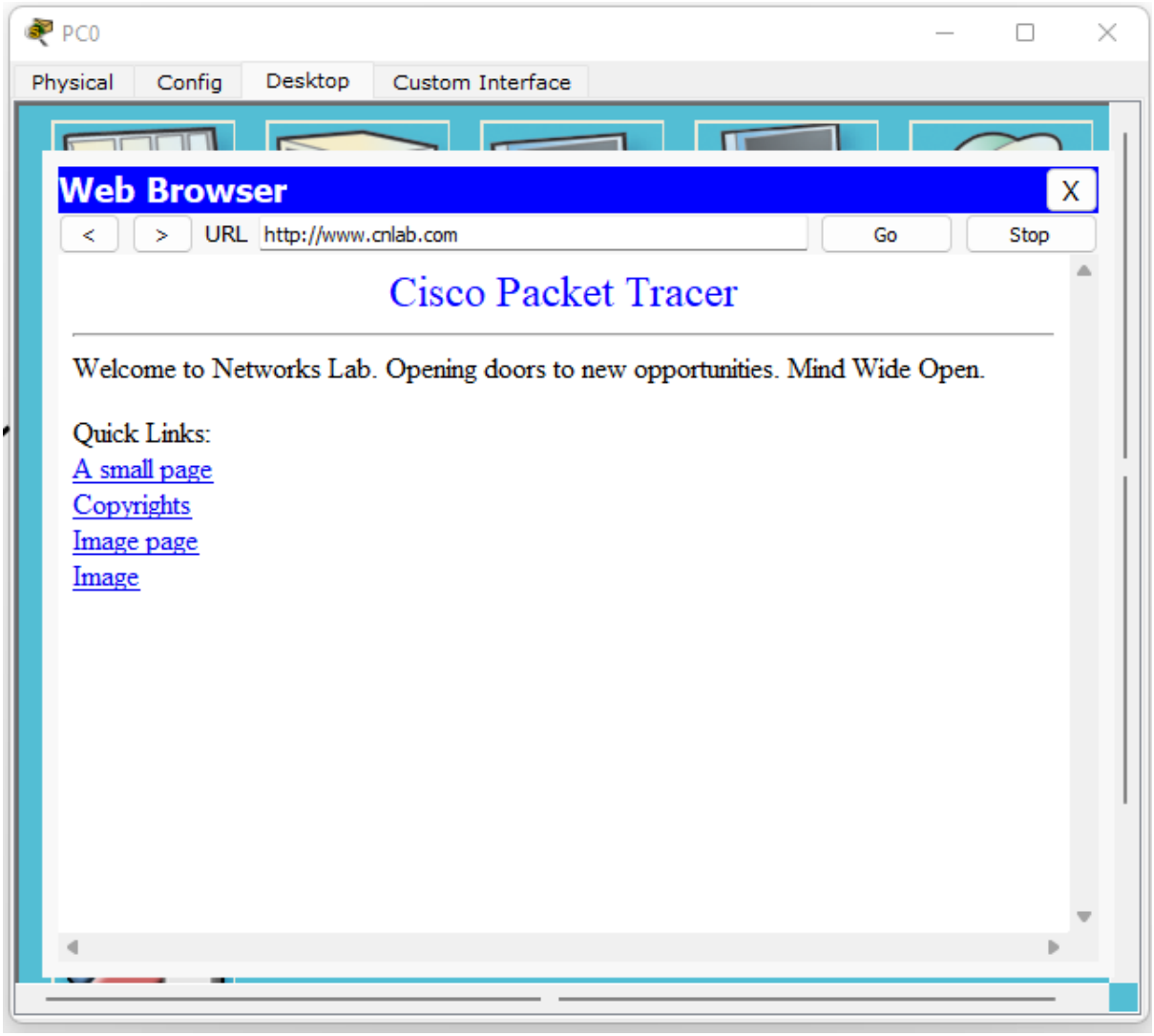
Change the written display content as required.



8. Click the end device -> Desktop -> Web browser ->

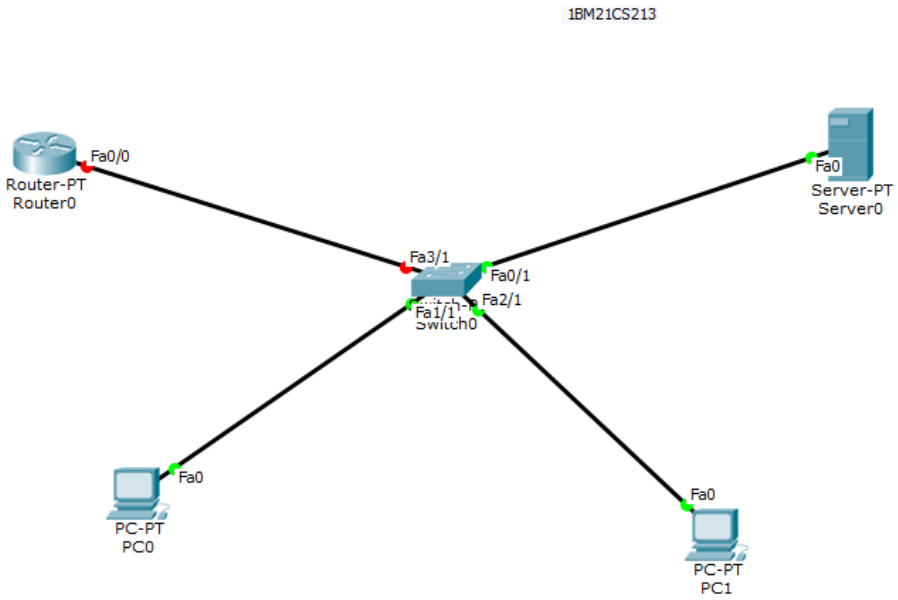
Enter URL: www.cnlab.com

The modified webpage will be displayed.



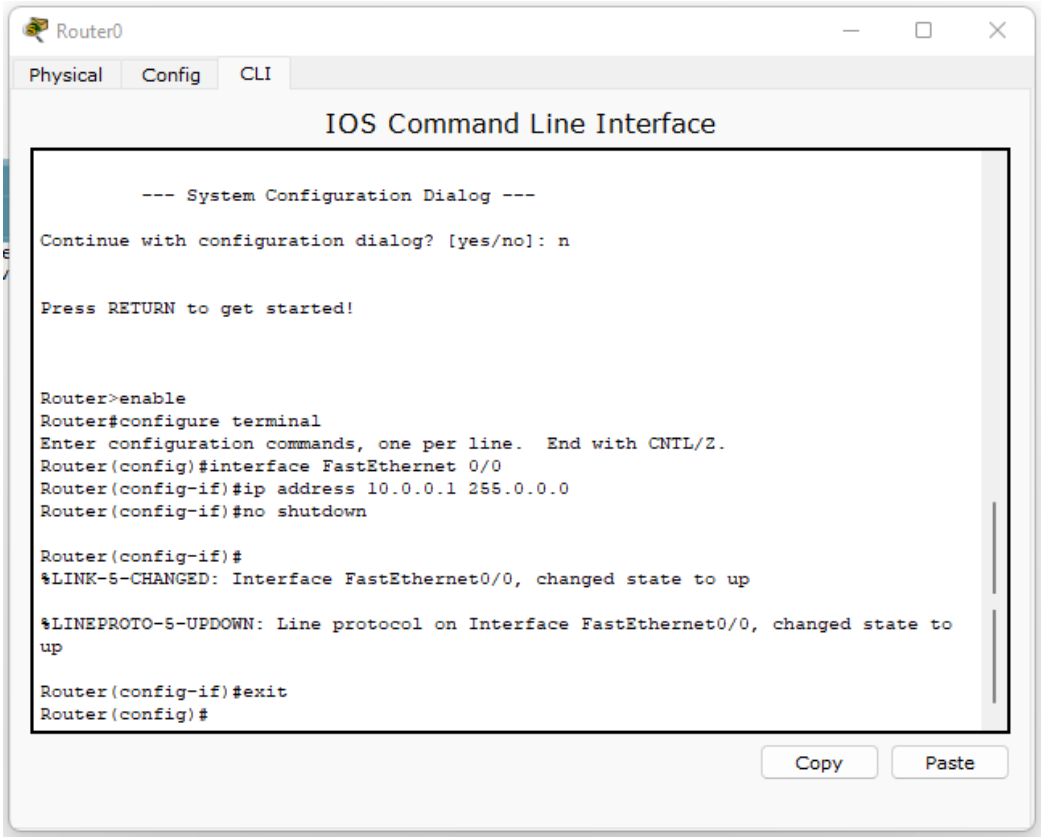
Configuring DHCP:-

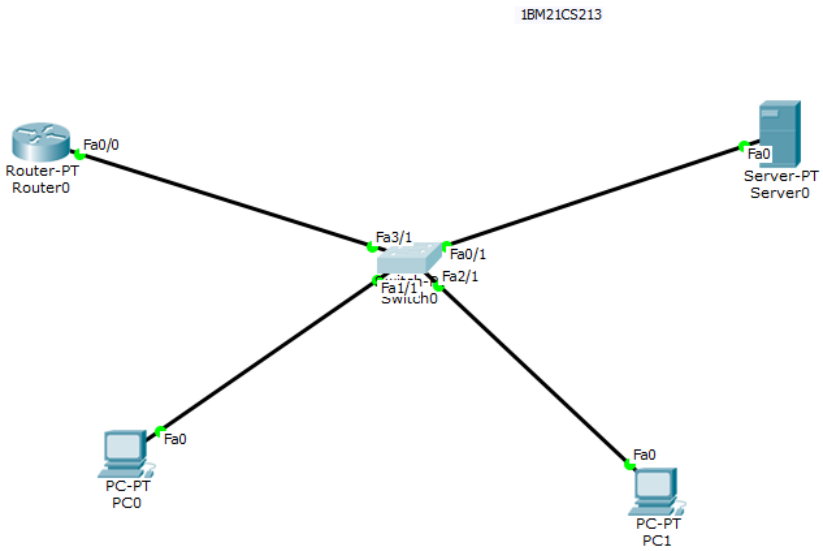
Network:-



Procedure:-

1. Create a topology as shown above.
2. Configure the IP address of the router.





3. Assign IP address to the server (should be the same network)- 10.0.0.10
4. Click on Server -> Services -> DHCP -> Click Service On

Change Pool name to “cnPool”

Enter default gateway – 10.0.0.1 (Router IP address)

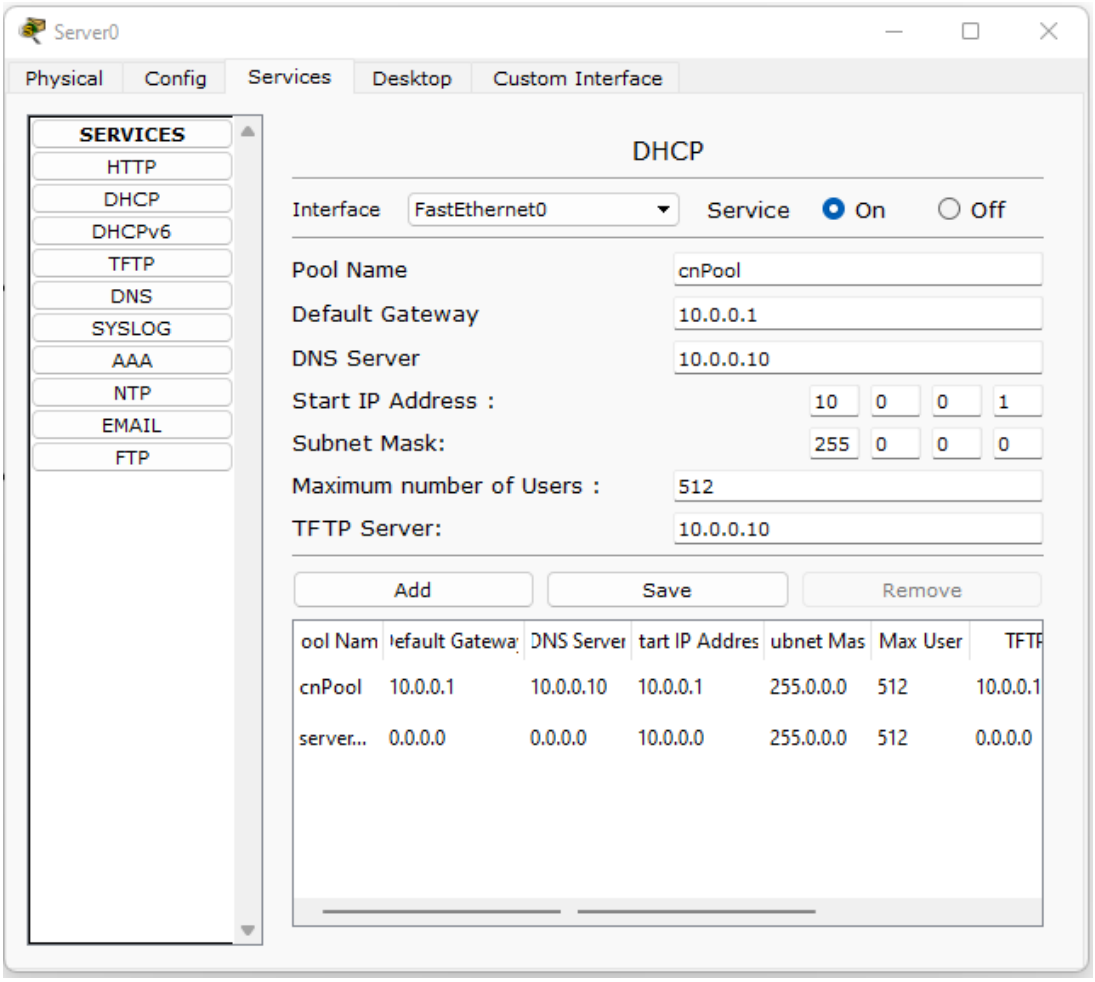
Enter DNS Server – 10.0.0.10 (Server IP address)

Enter Start IP address – 10.0.0.1 (Router IP address)

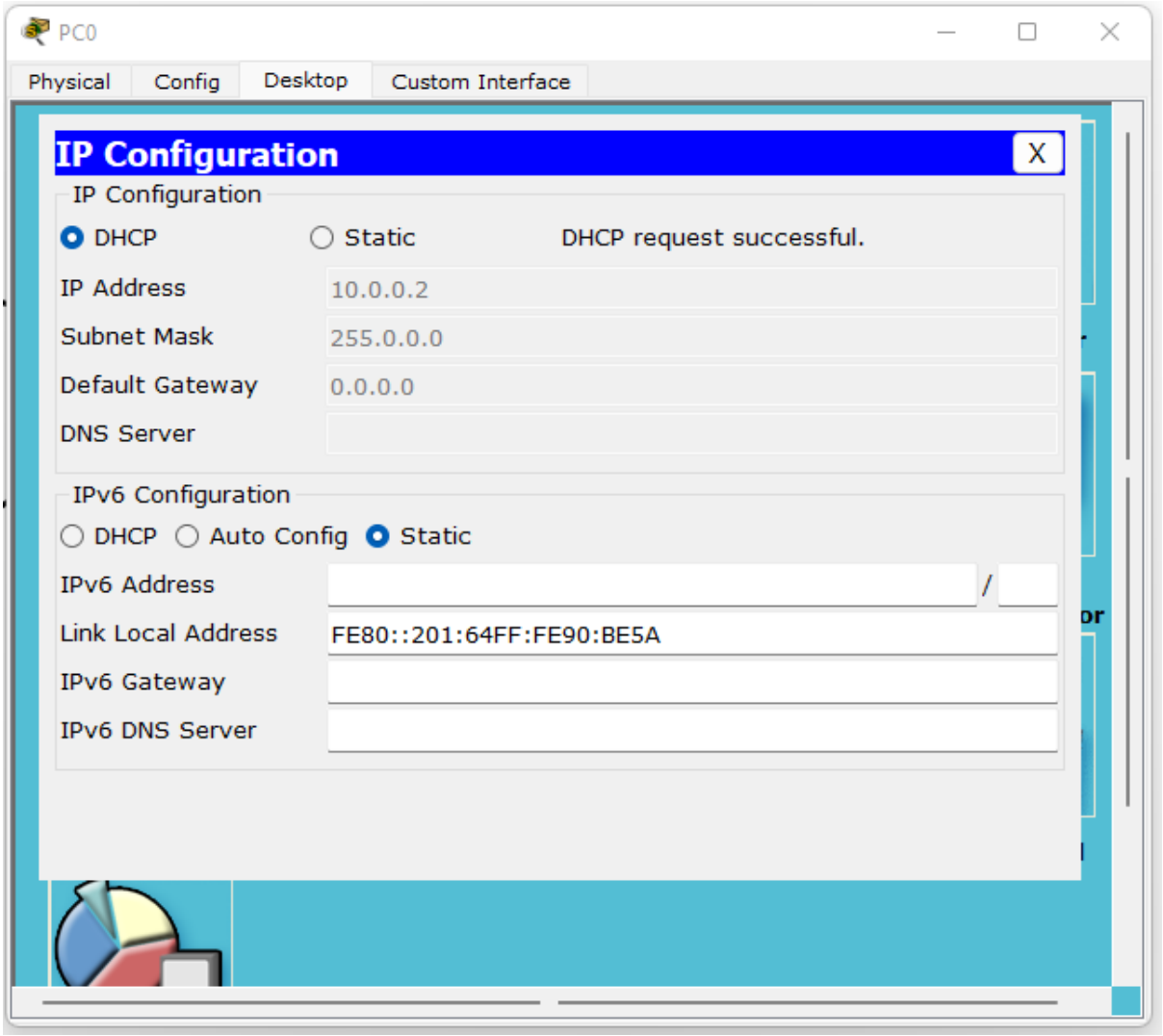
Enter subnet mask – 255.0.0.0

Enter TFTP Server – 10.0.0.1 (Server IP address)

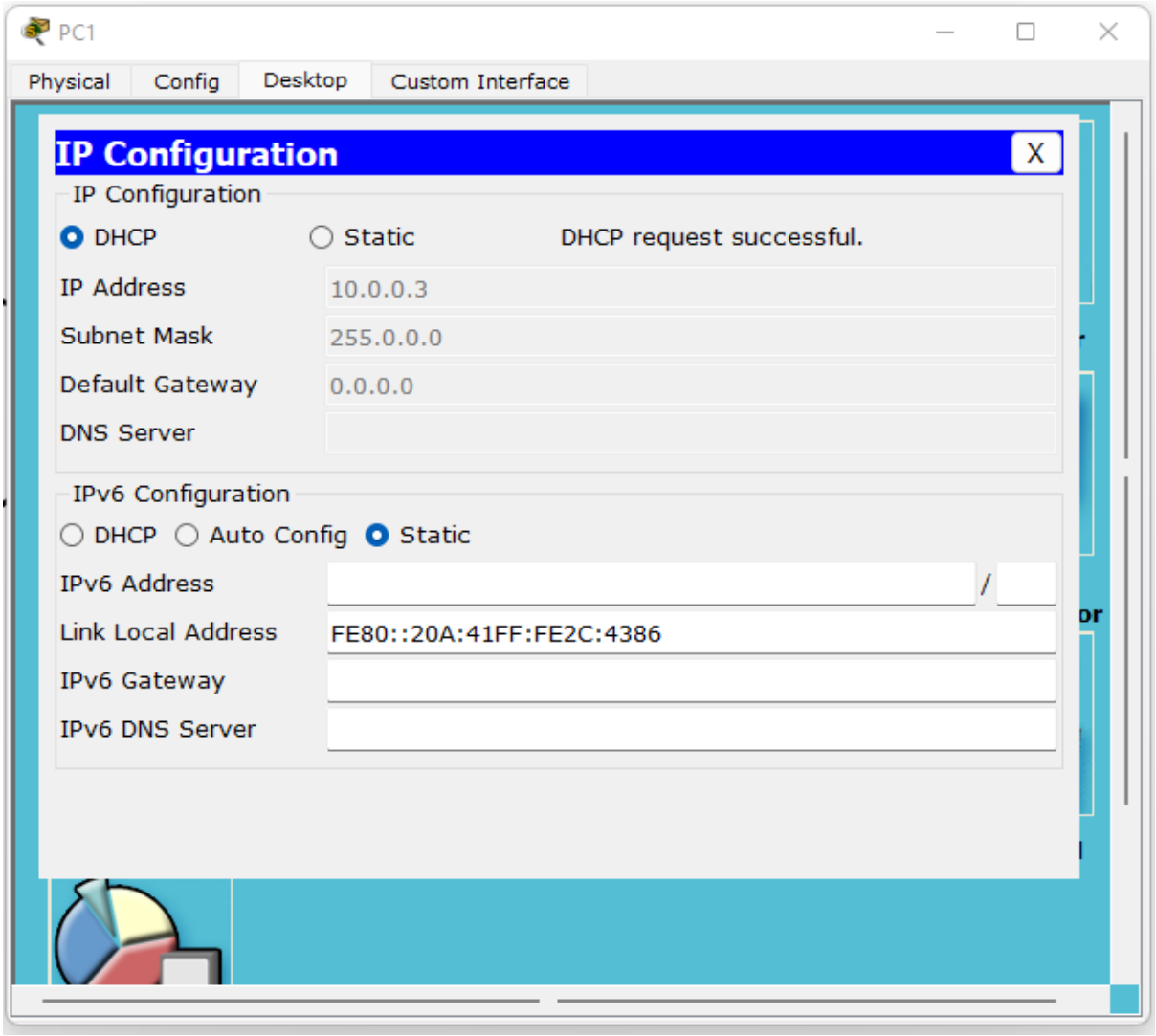
Click on Add.



5. Click on PC0 -> Desktop -> IP Configuration
   Select DHCP for IP Configuration

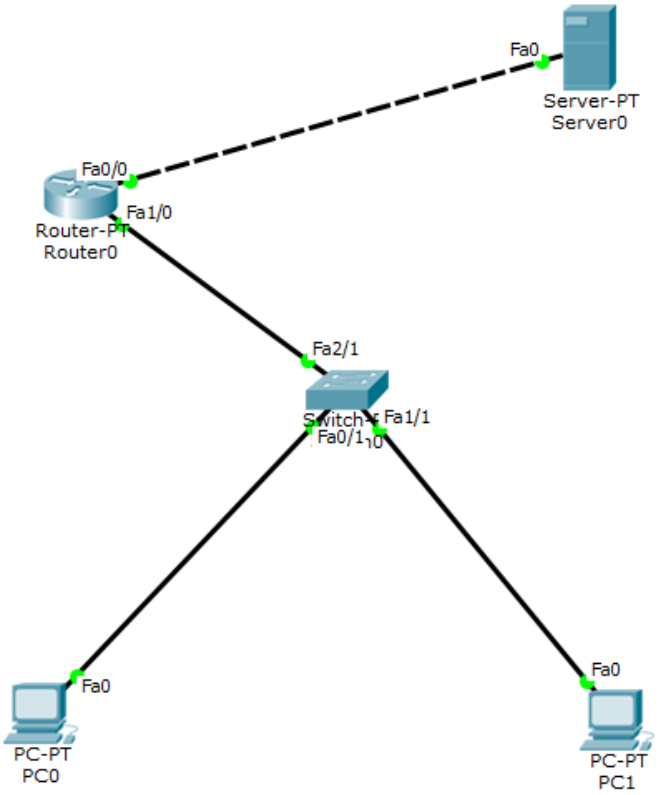


6. Click on PC1 -> Desktop -> IP Configuration
   Select DHCP for IP Configuration



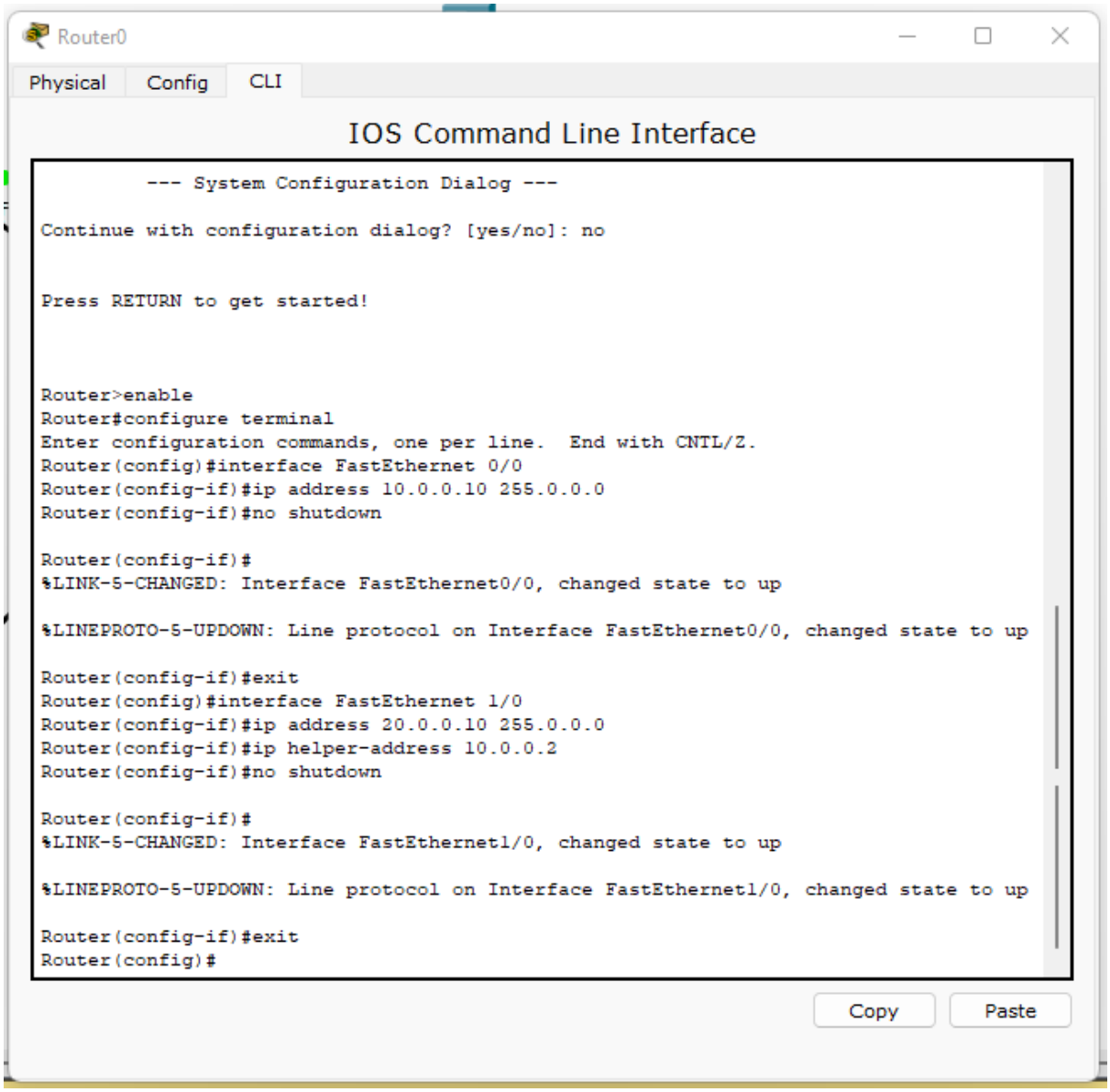
Configuring DHCP outside LAN:-

Network:-



Procedure:-

1. Create a topology as shown above.
2. Configure the IP address of the router.



3. Assign IP address to the server (should be the same network)- 10.0.0.2

4. Click on Server0 -> Services -> DHCP -> Click Service On

Change Pool name to “CNPool”

Enter default gateway – 10.0.0.10 (Router IP address)

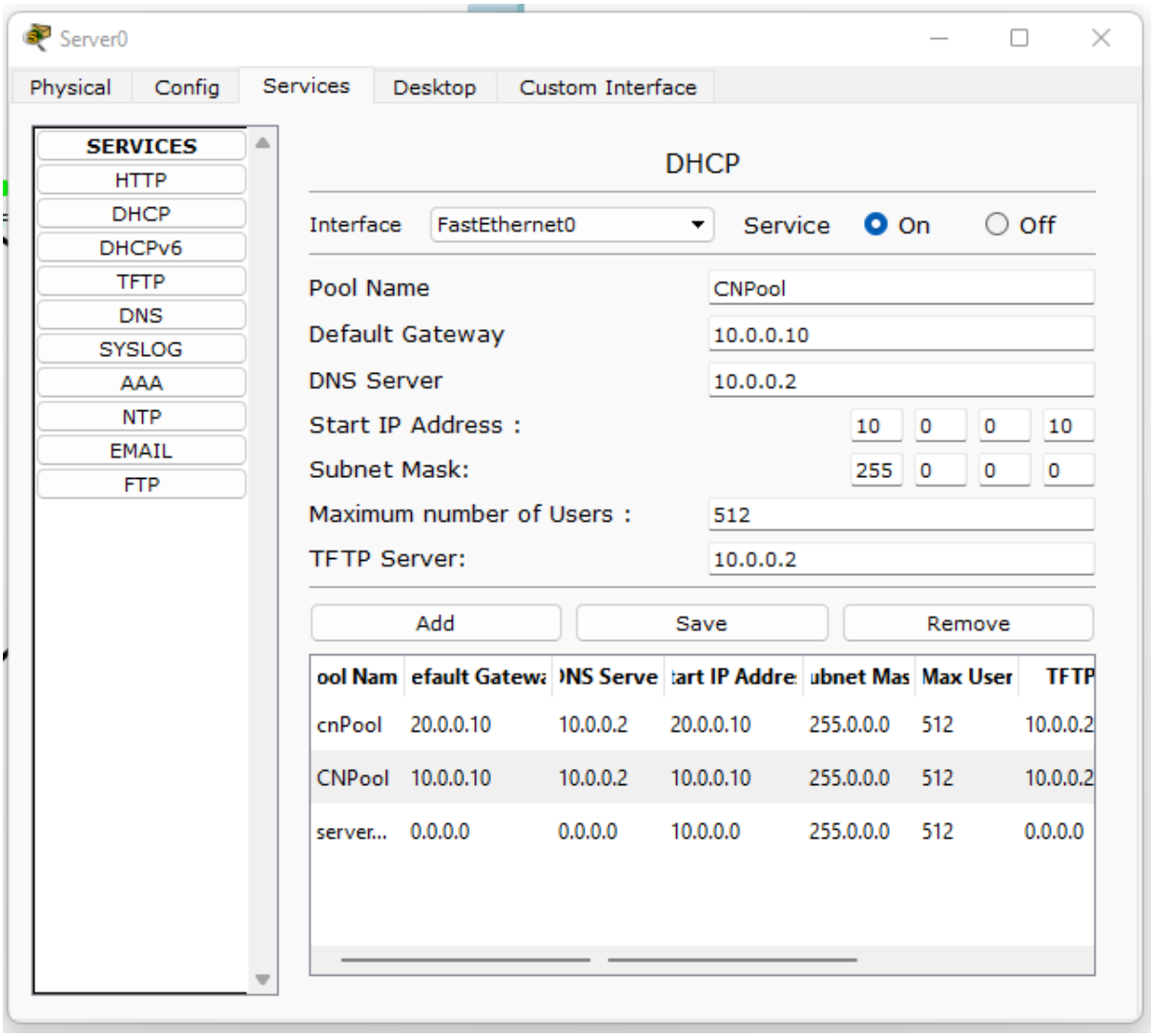
Enter DNS Server – 10.0.0.2 (Server IP address)

Enter Start IP address – 10.0.0.10 (Router IP address)

Enter subnet mask – 255.0.0.0

Enter TFTP Server – 10.0.0.2 (Server IP address)

Click on Add.



5. Click on Server1 -> Services -> DHCP -> Click Service On

Change Pool name to “cnPool”

Enter default gateway – 20.0.0.10 (Router IP address)

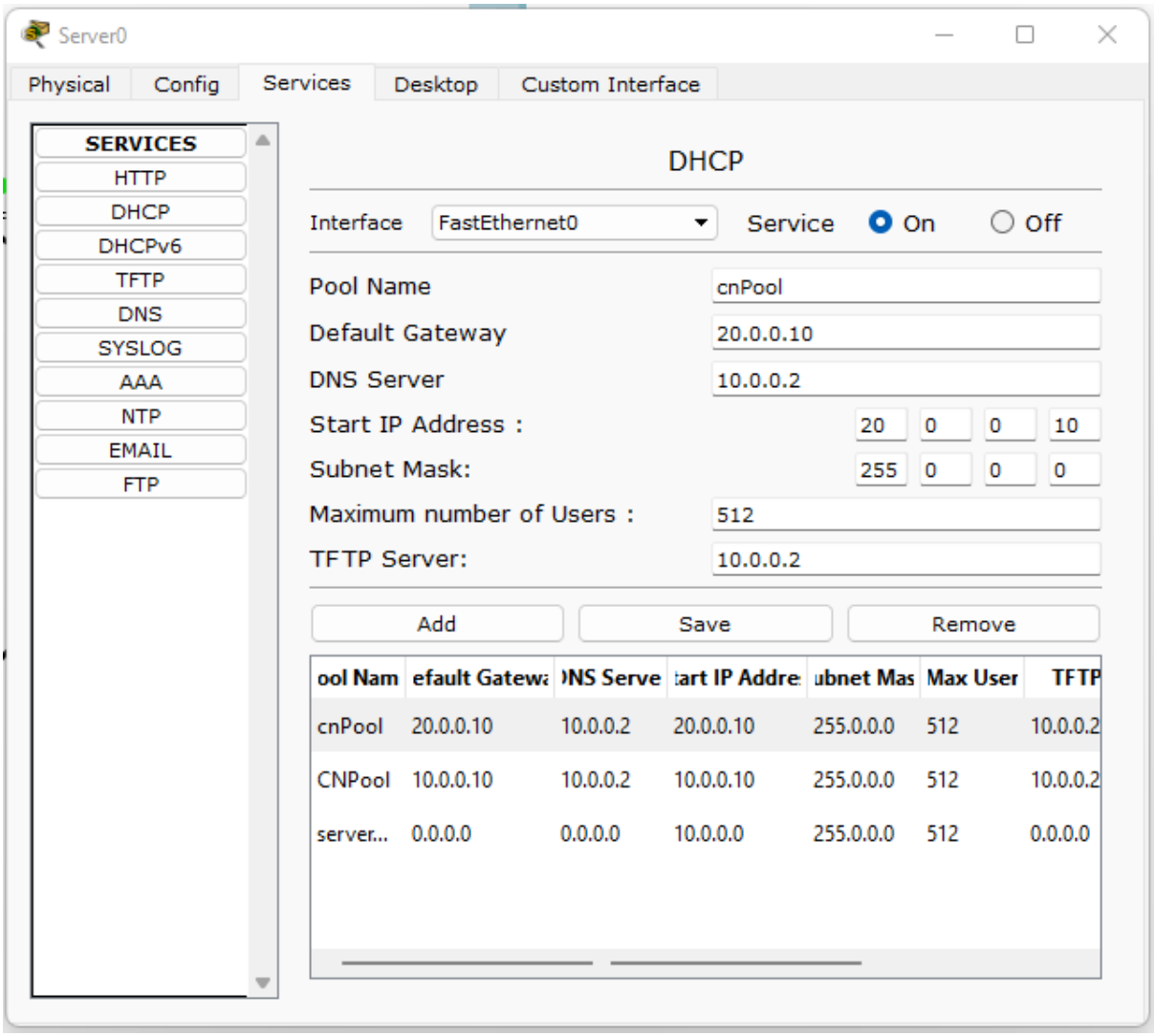
Enter DNS Server – 10.0.0.2 (Server IP address)

Enter Start IP address – 20.0.0.10 (Router IP address)

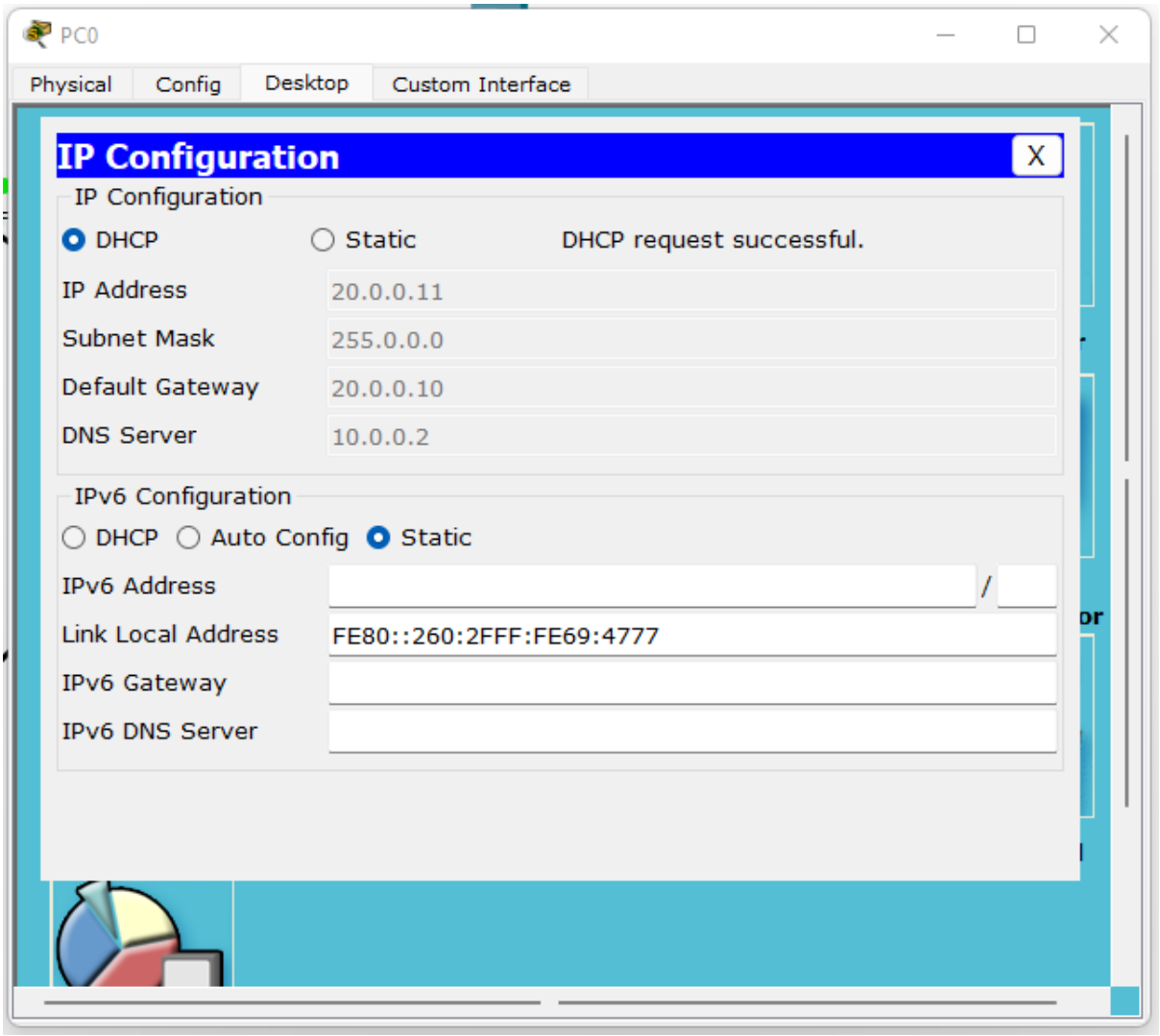
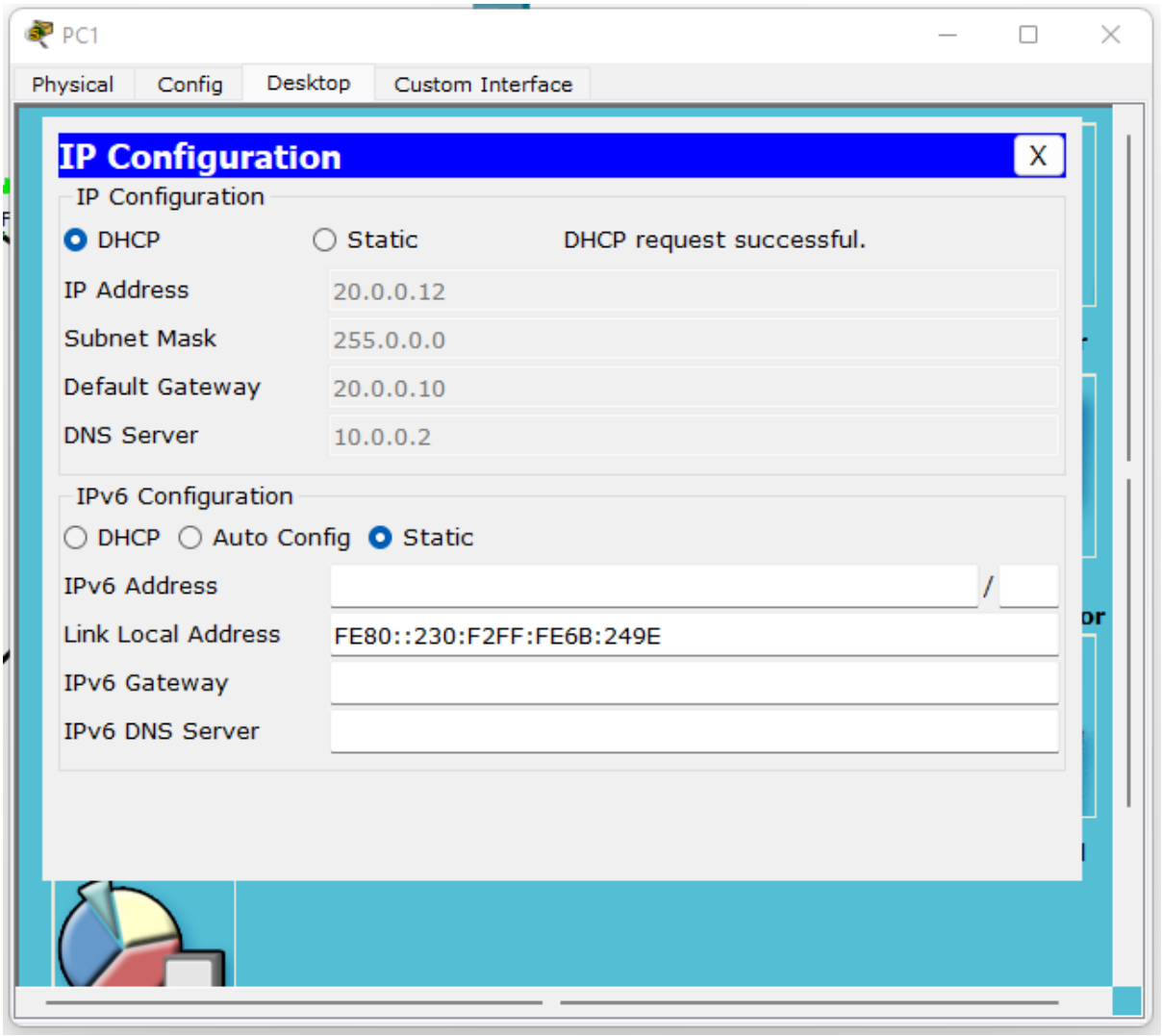
Enter subnet mask – 255.0.0.0

Enter TFTP Server – 10.0.0.2 (Server IP address)

Click on Add.



6. Click on PC0 -> Desktop -> IP Configuration
   Select DHCP for IP Configuration



7. Click on PC1 -> Desktop -> IP Configuration
   Select DHCP for IP Configuration