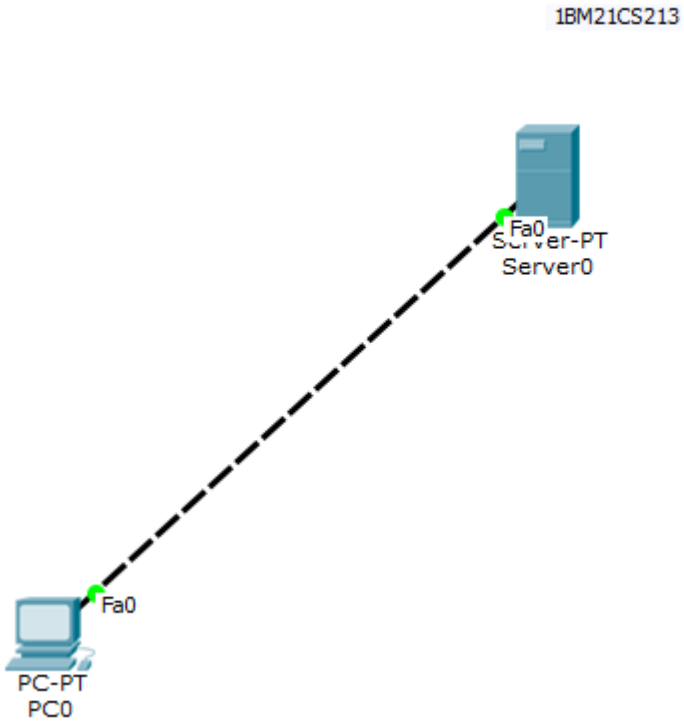
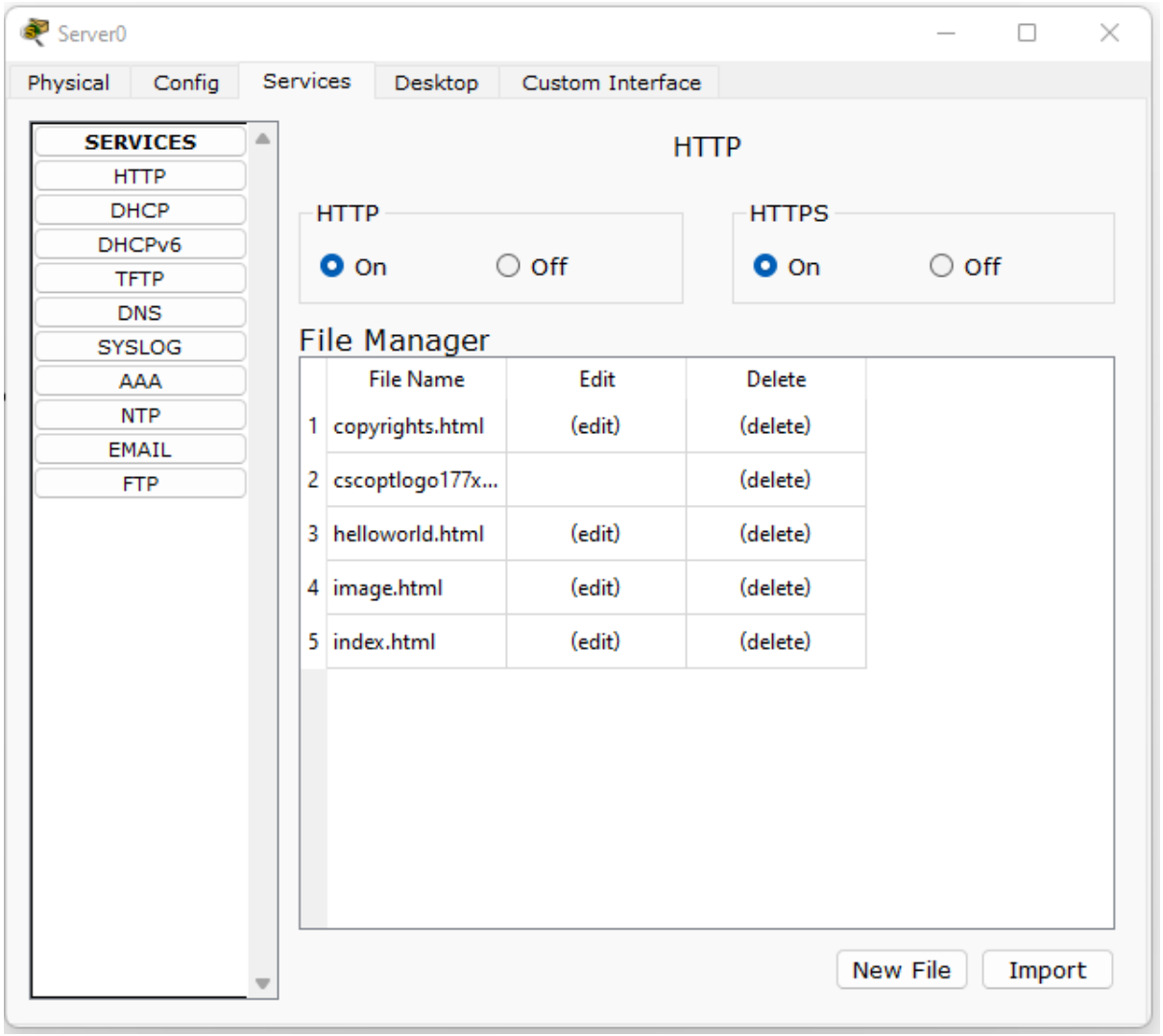
WEEK 5(1BM21CS214)

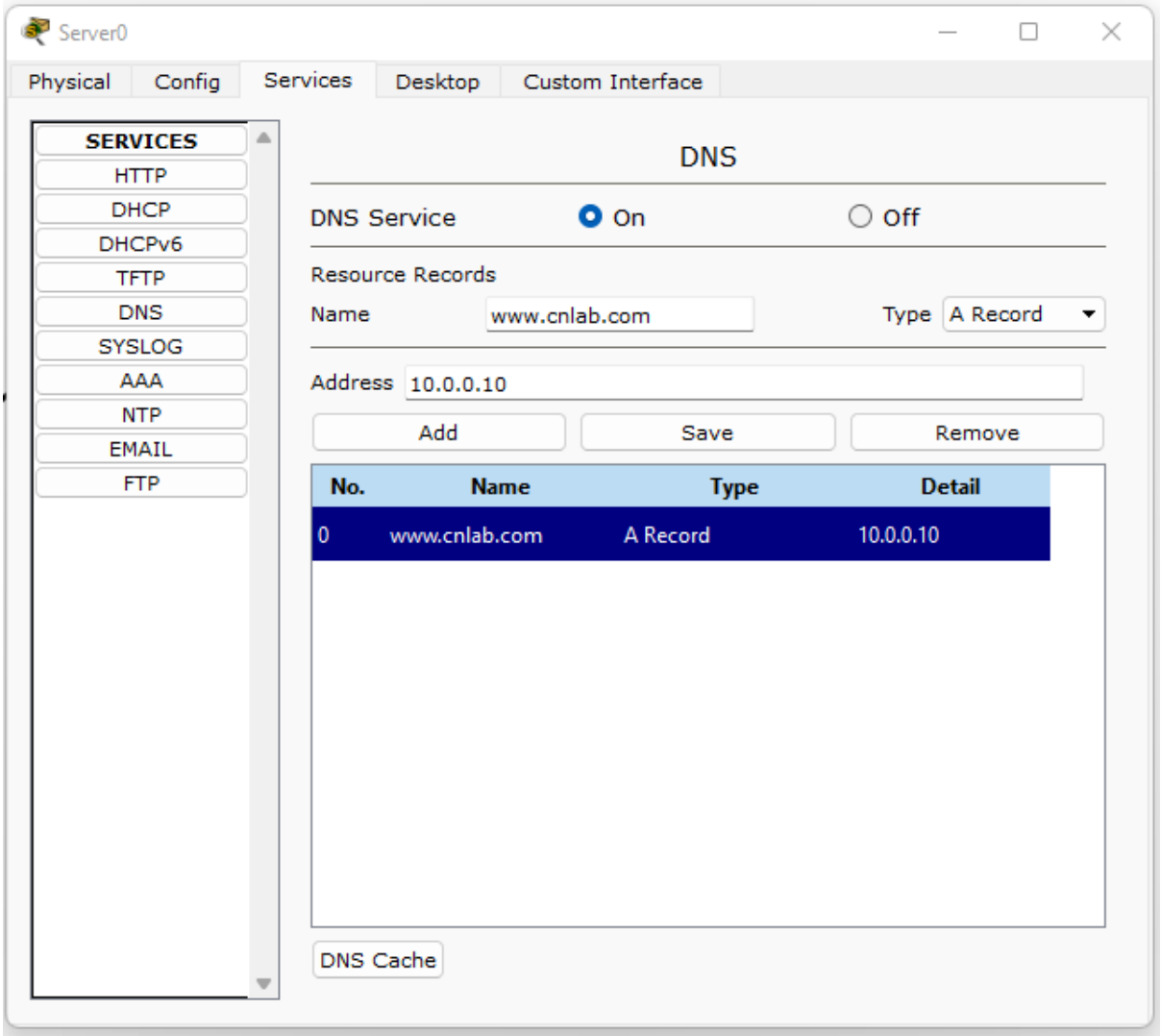
Configuring

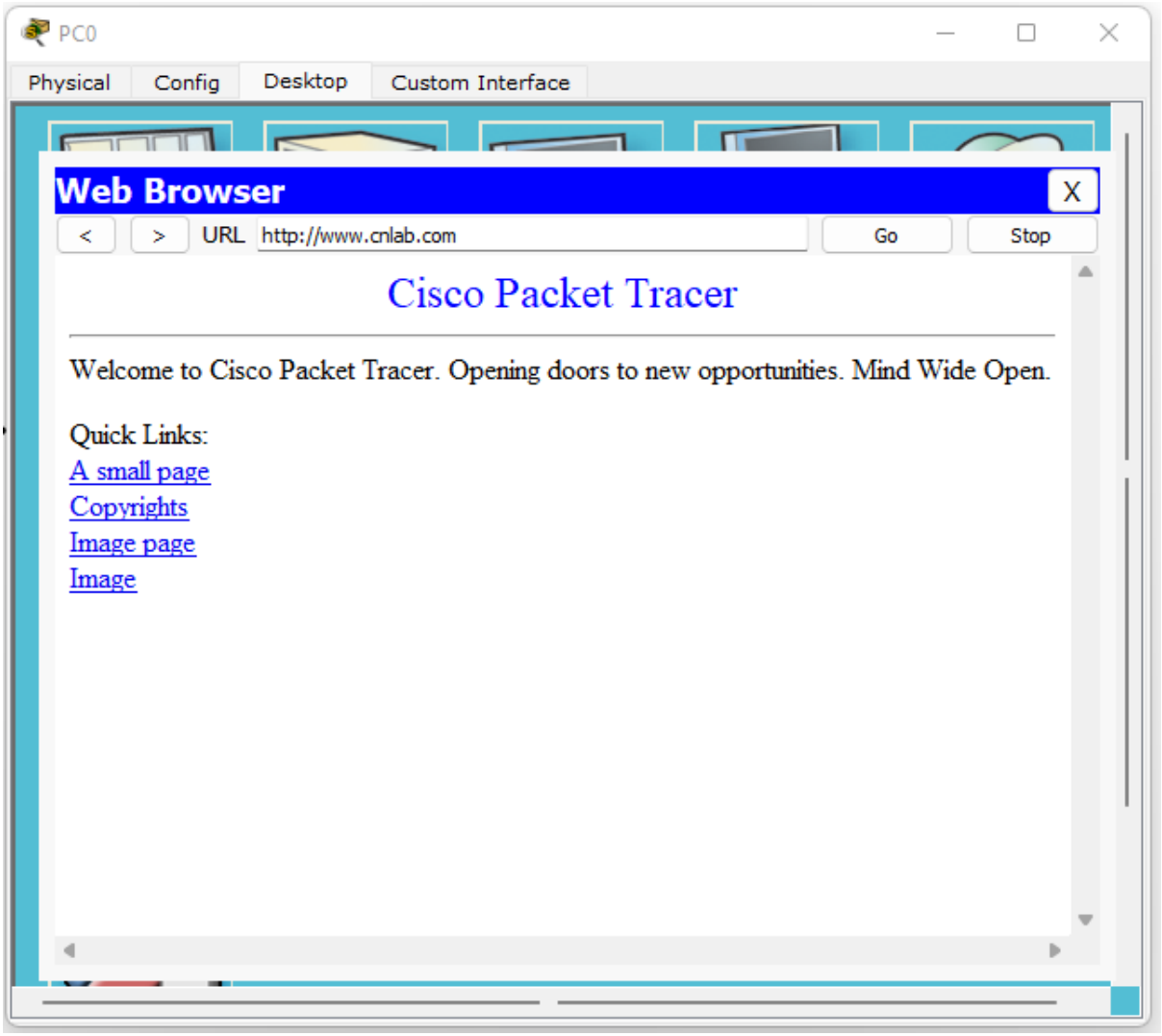
Create a topology consisting of one end device and one server.

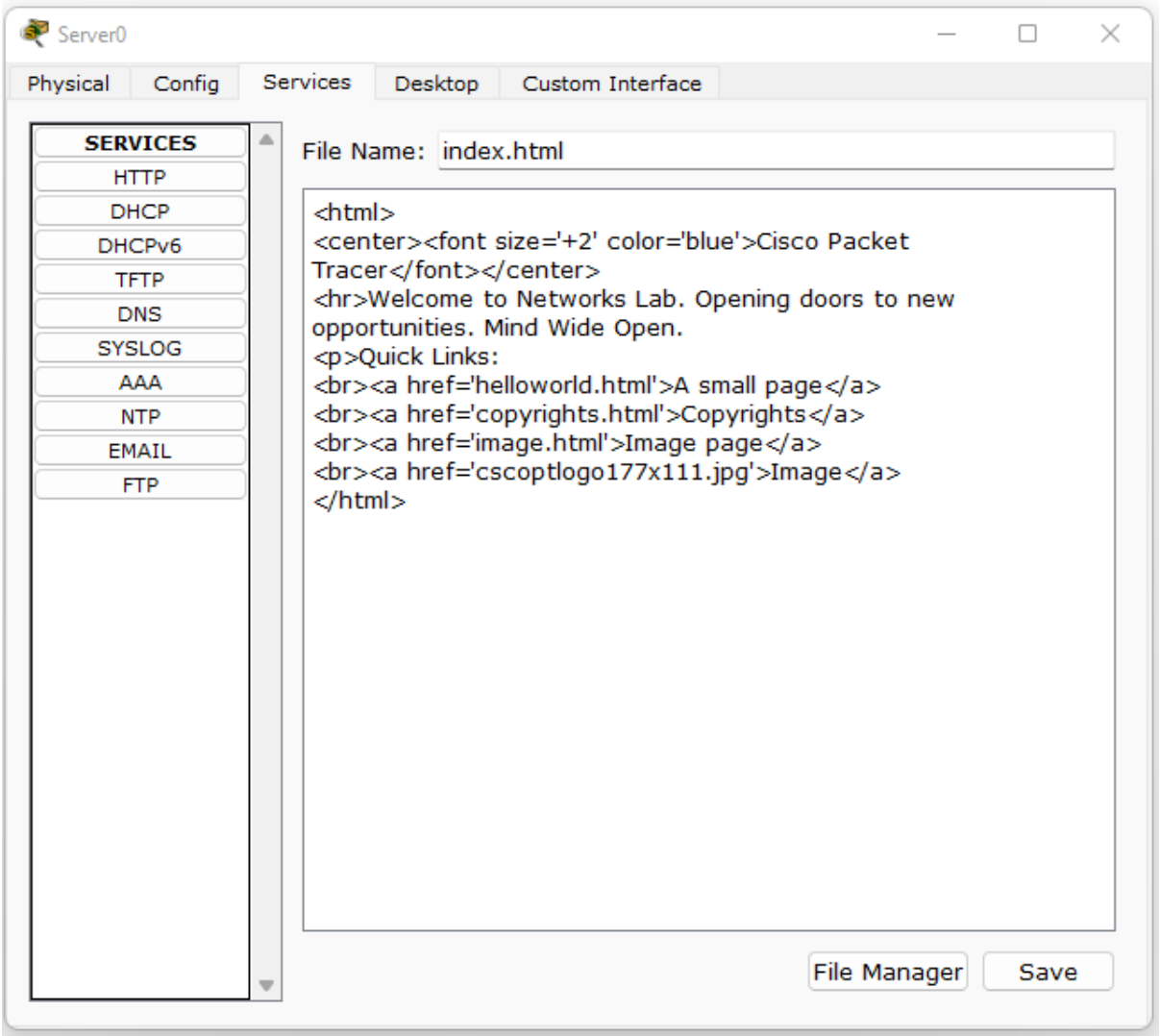
Network:-




Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
HTTP
HTTP
On
Off
HTTPS
On
Off
File Manager
File Name
Edit
Delete
1 copyrights.html (edit) (delete)
2 cscoptlogo177x... (delete)
3 helloworld.html (edit) (delete)
4 image.html (edit) (delete)
5 index.html (edit) (delete)
New File
Import


Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DNS
DNS Service
On
Off
Resource Records
Name
www.cnlab.com
Type
A Record
Address
10.0.0.10
Add
Save
Remove
No.
Name
Type
Detail
0
www.cnlab.com
A Record
10.0.0.10
DNS Cache


PC0
Physical
Config
Desktop
Custom Interface
Web Browser
X
<
>
URL
http://www.cnlab.com
Go
Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image

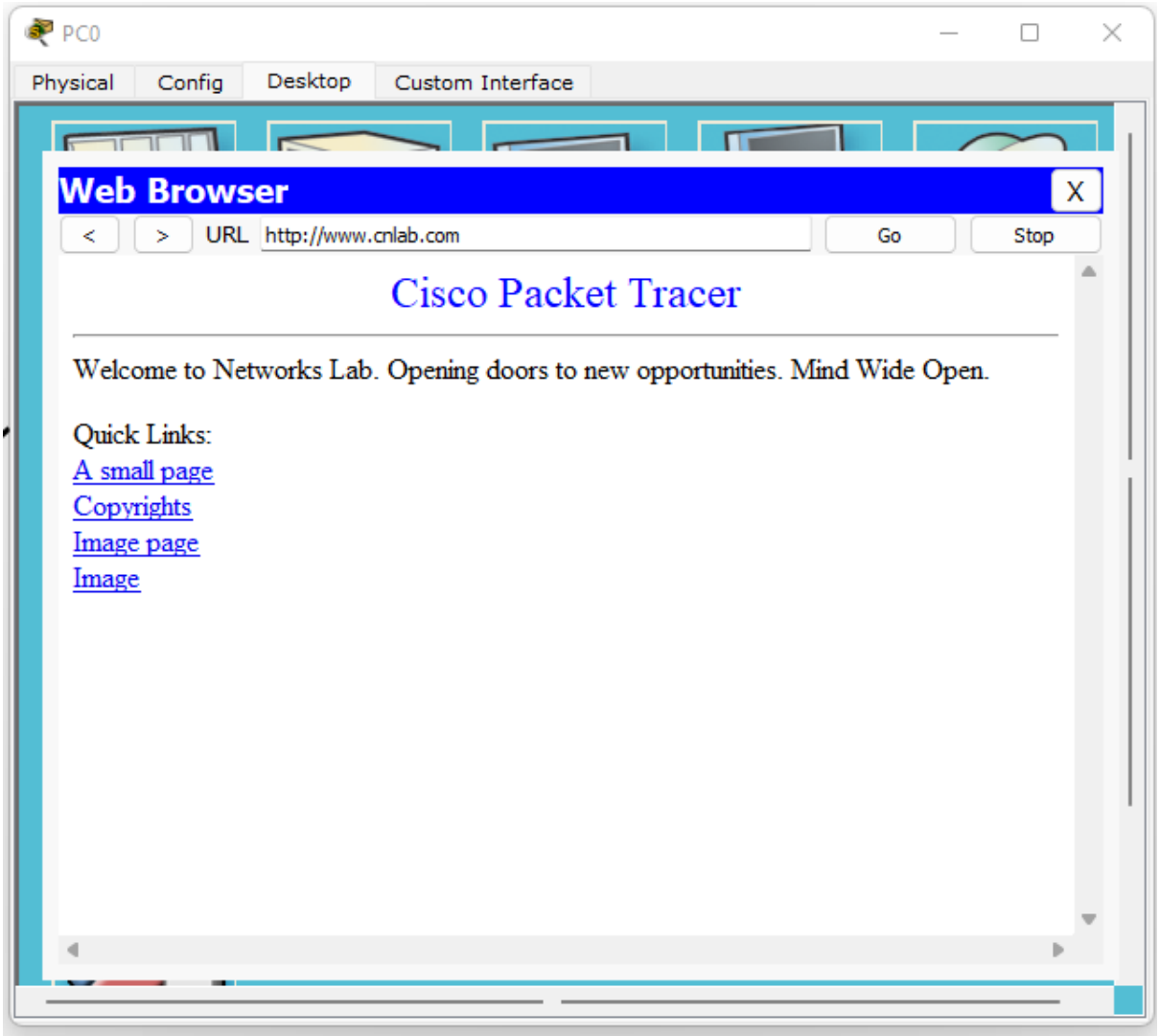

Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
File Name: index.html
<html>
<font size='+2' color='blue'>Cisco Packet Tracer</font>
<hr>Welcome to Networks Lab. Opening doors to new opportunities. Mind Wide Open.
<p>Quick Links:

<a href='helloworld.html'>A small page</a>

<a href='copyrights.html'>Copyrights</a>

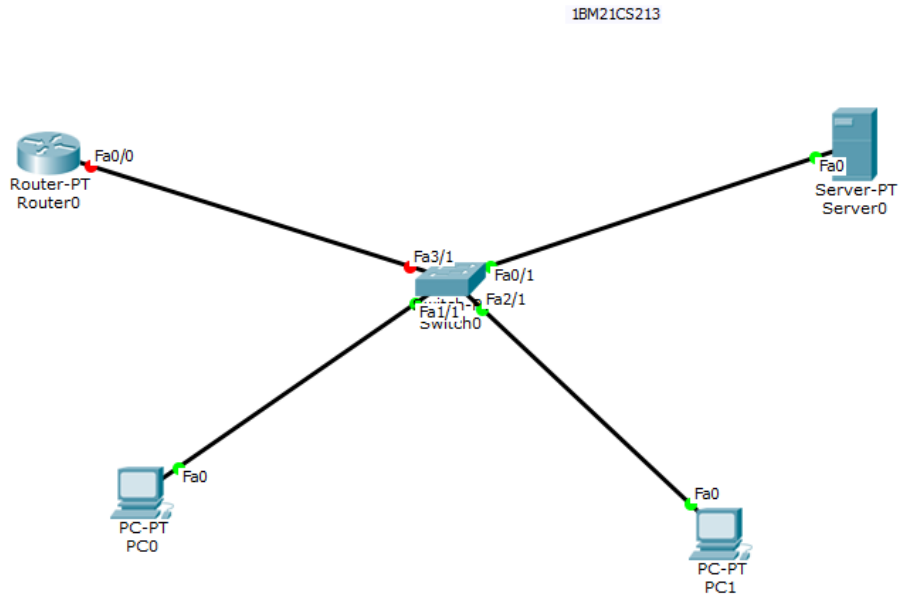
<a href='image.html'>Image page</a>

<a href='cscoptlogo177x111.jpg'>Image</a>
</html>
File Manager
Save

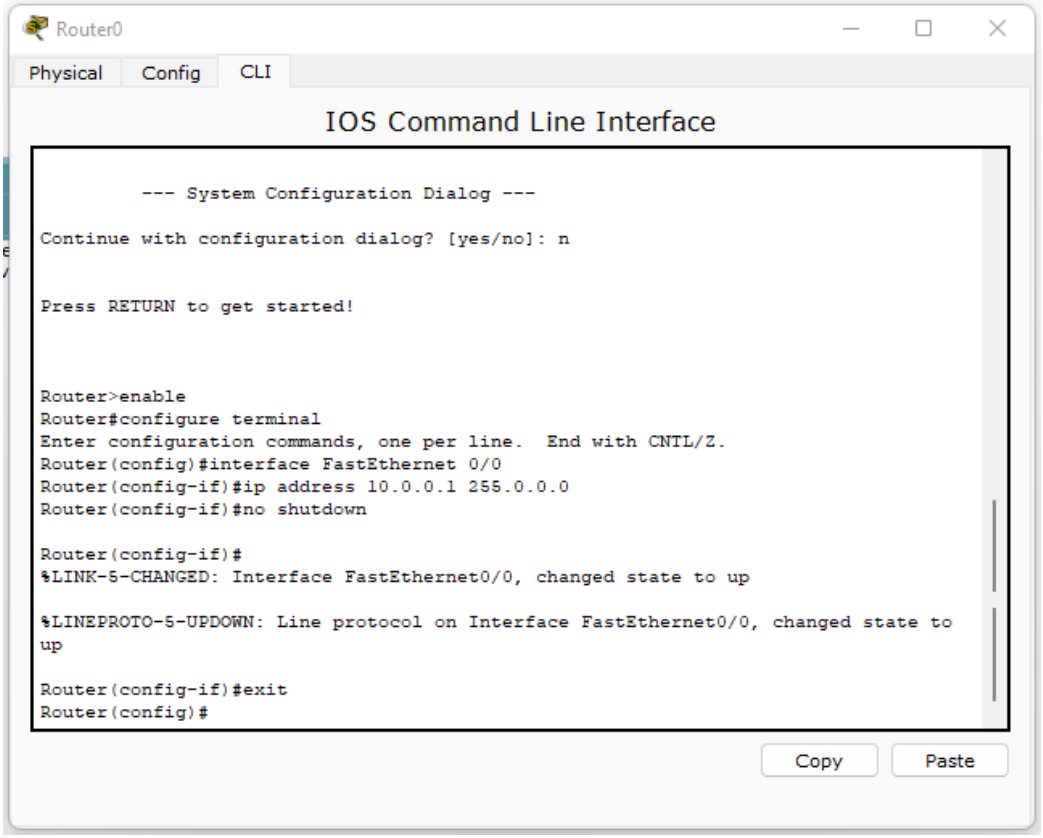

PC0
Physical
Config
Desktop
Custom Interface
Web Browser
X
<
>
URL
http://www.cnlab.com
Go
Stop
Cisco Packet Tracer
Welcome to Networks Lab. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image

Configuring DHCP:-

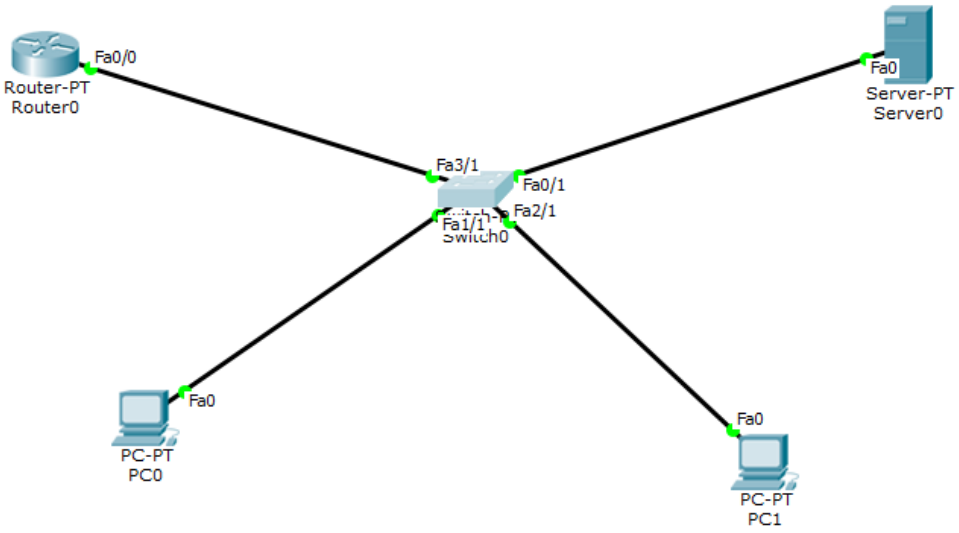
Network:-

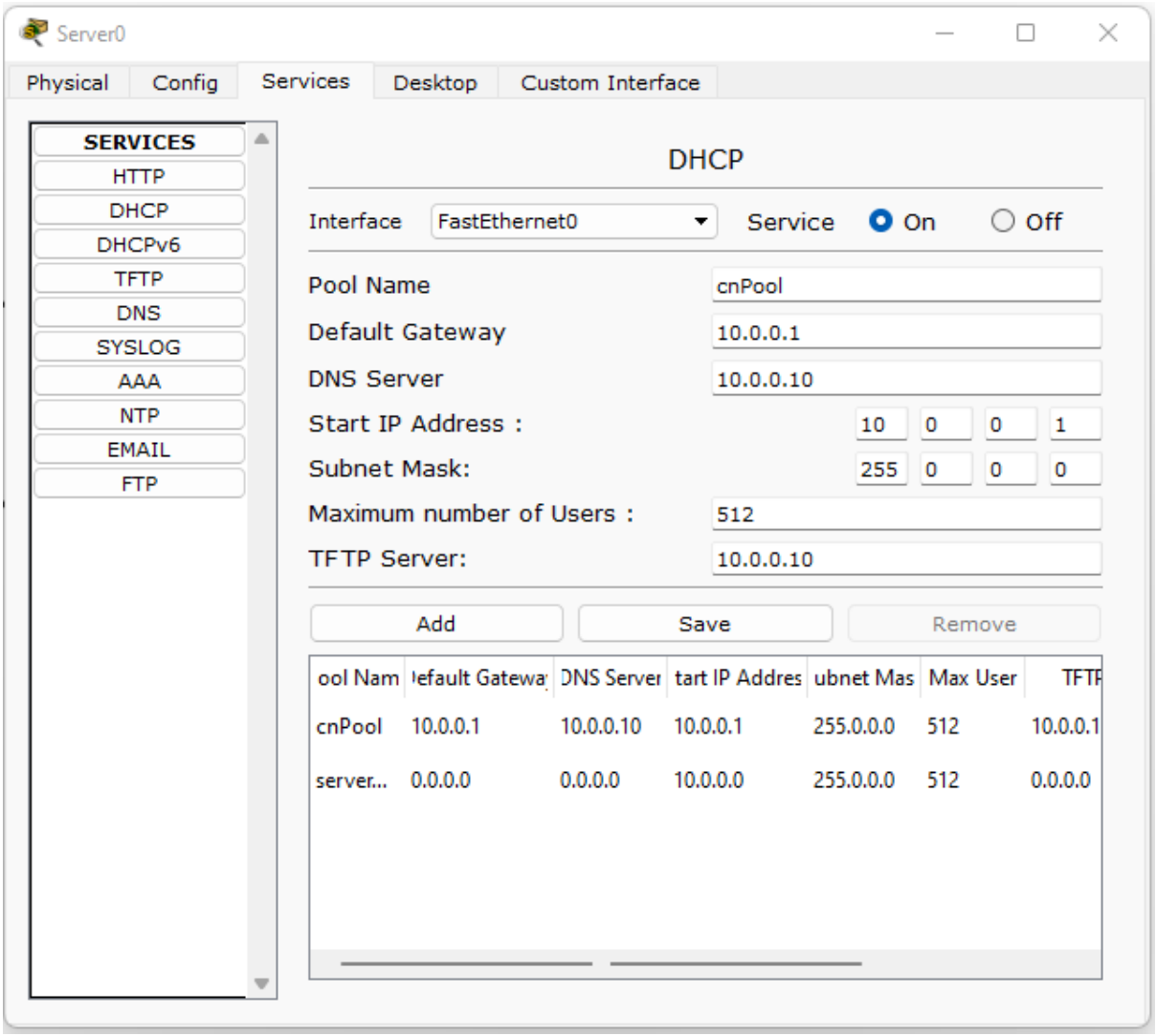


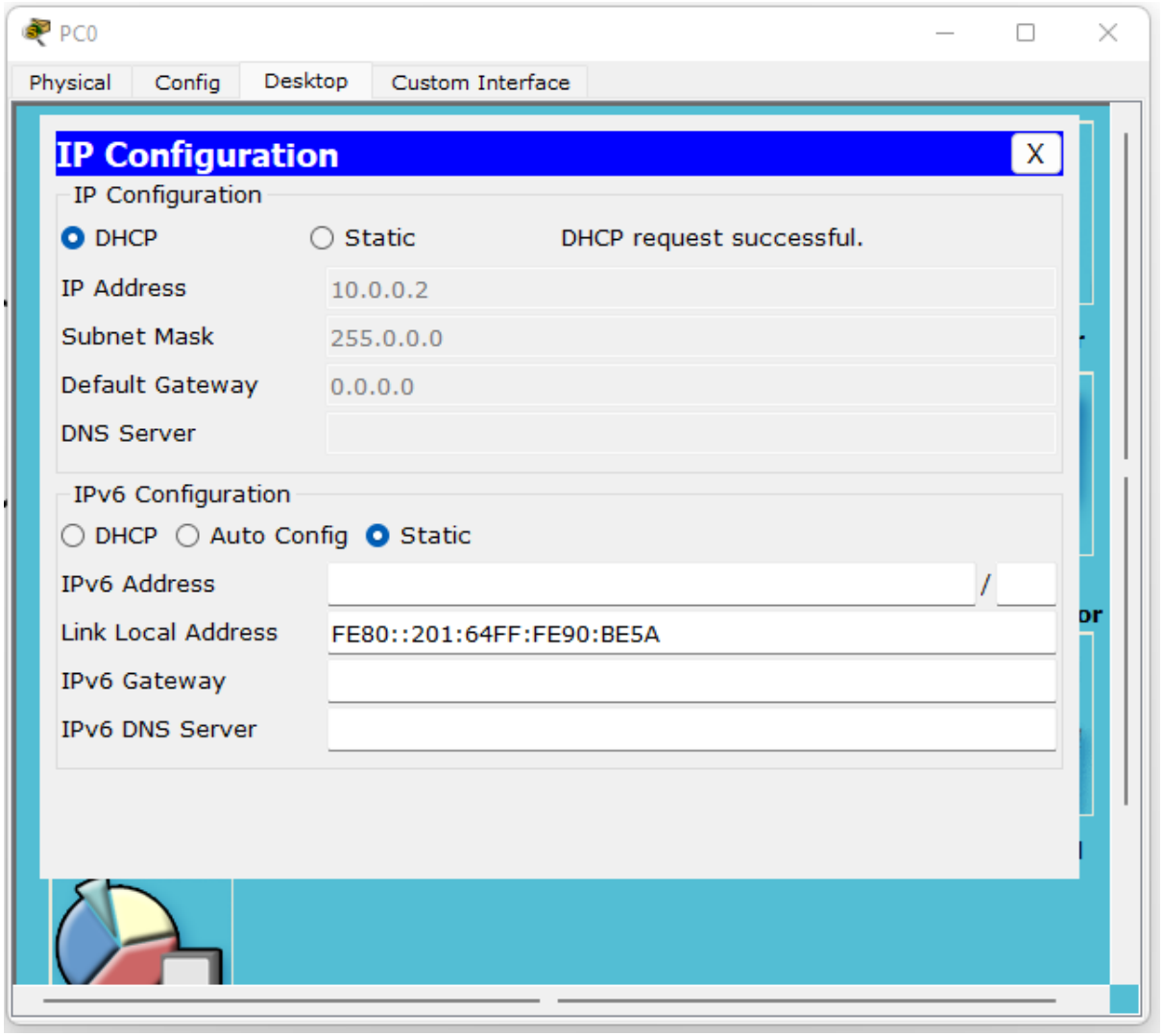
Configure the IP address of the router:-

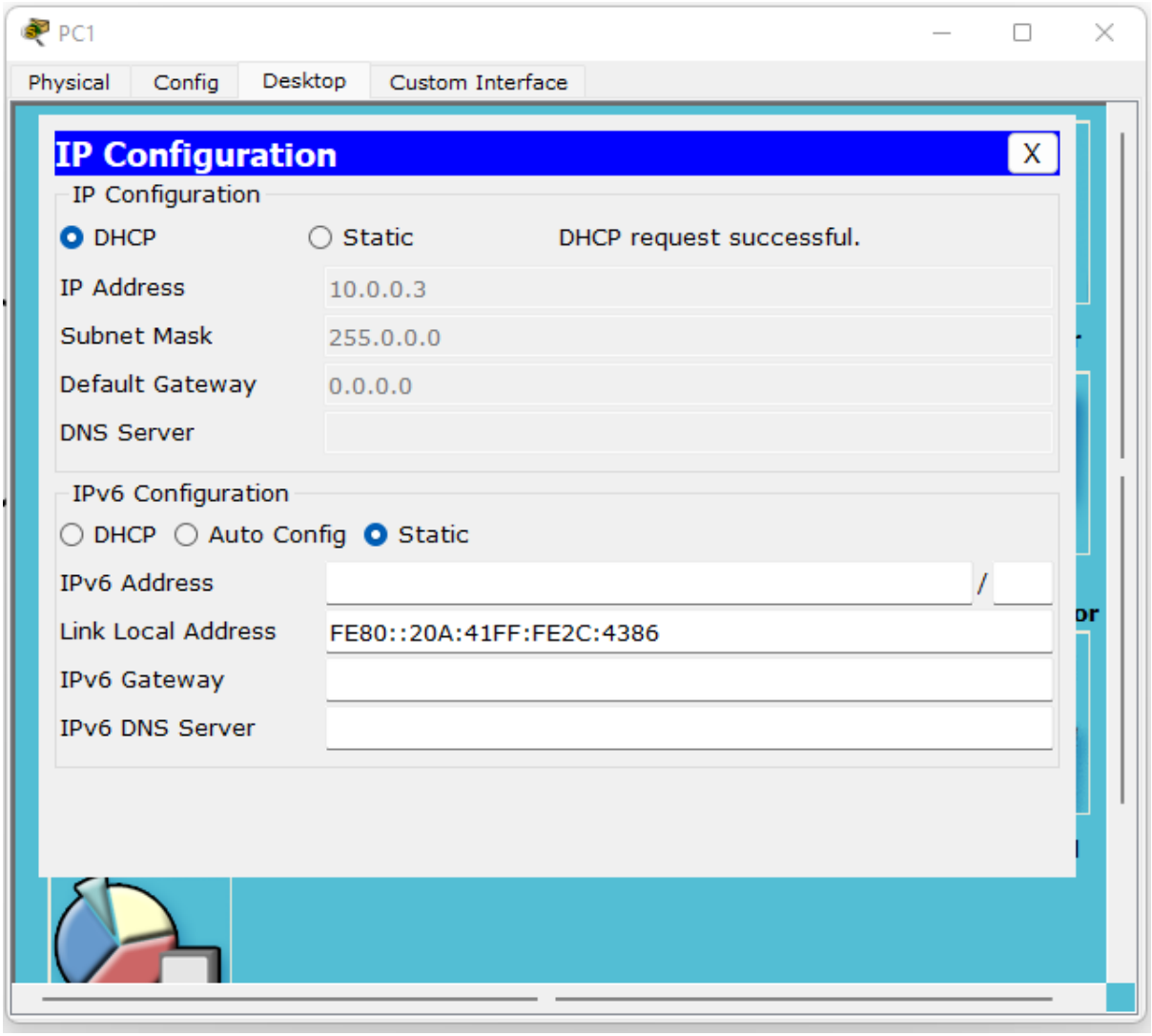


1BM21CS213

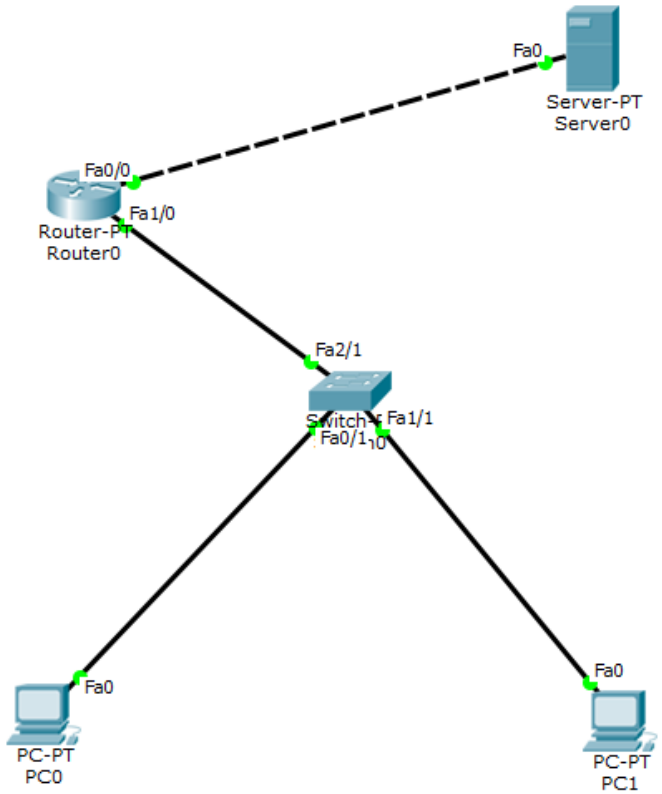

Fa0/0
Router-PT
Router0
Fa0
Server-PT
Server0
Fa3/1
Fa0/1
Fa2/1
Fa1/1
Fa0
PC-PT
PC0
Fa0
PC-PT
PC1

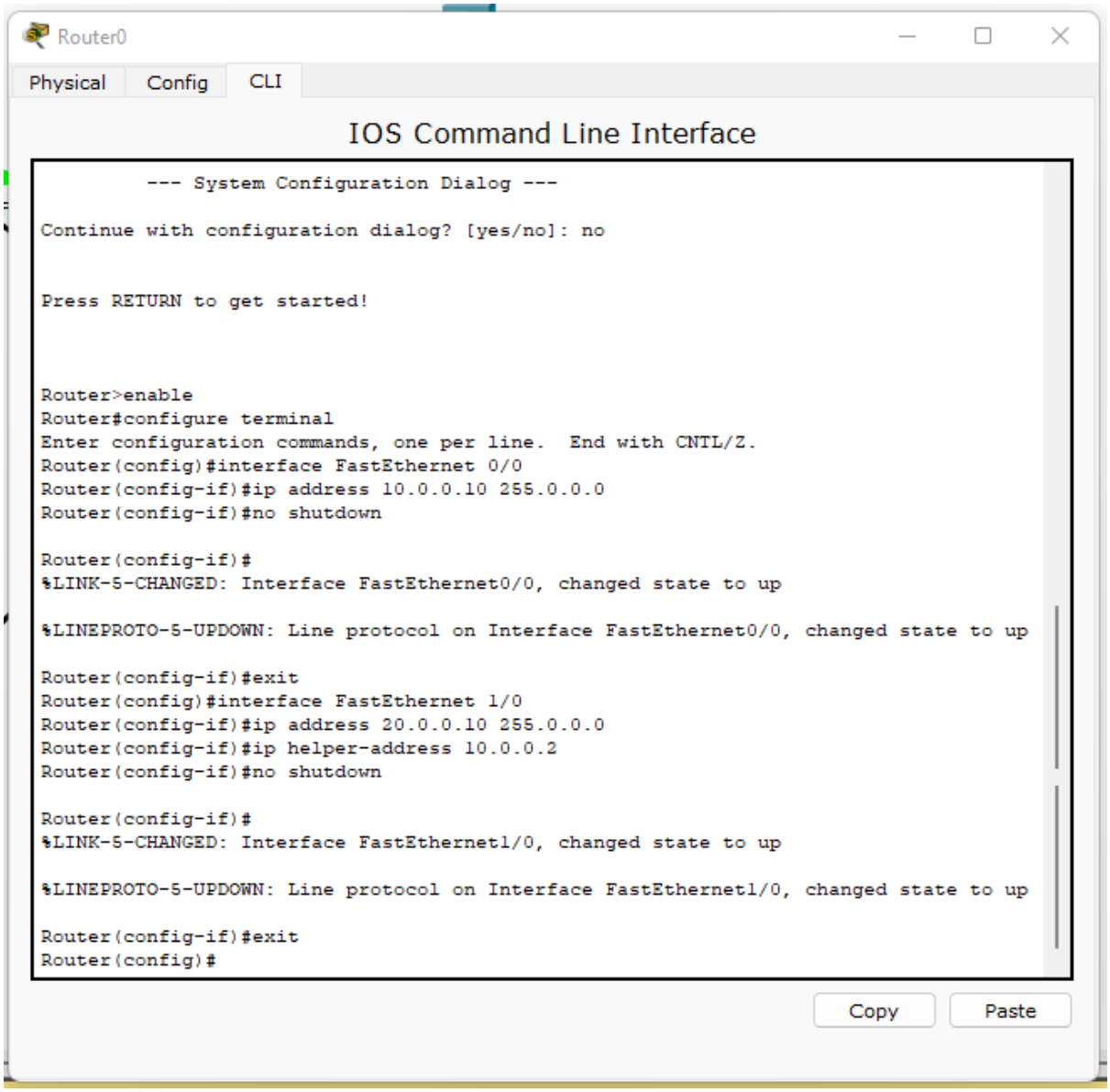

Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
cnPool
Default Gateway
10.0.0.1
DNS Server
10.0.0.10
Start IP Address :
10 0 0 1
Subnet Mask:
255 0 0 0
Maximum number of Users :
512
TFTP Server:
10.0.0.10
Add
Save
Remove
ool Nam
efault Gatewa
DNS Server
tart IP Addres
ubnet Mas
Max User
TFTF
cnPool
10.0.0.1
10.0.0.10
10.0.0.1
255.0.0.0
512
10.0.0.1
server...
0.0.0.0
0.0.0.0
10.0.0.0
255.0.0.0
512
0.0.0.0

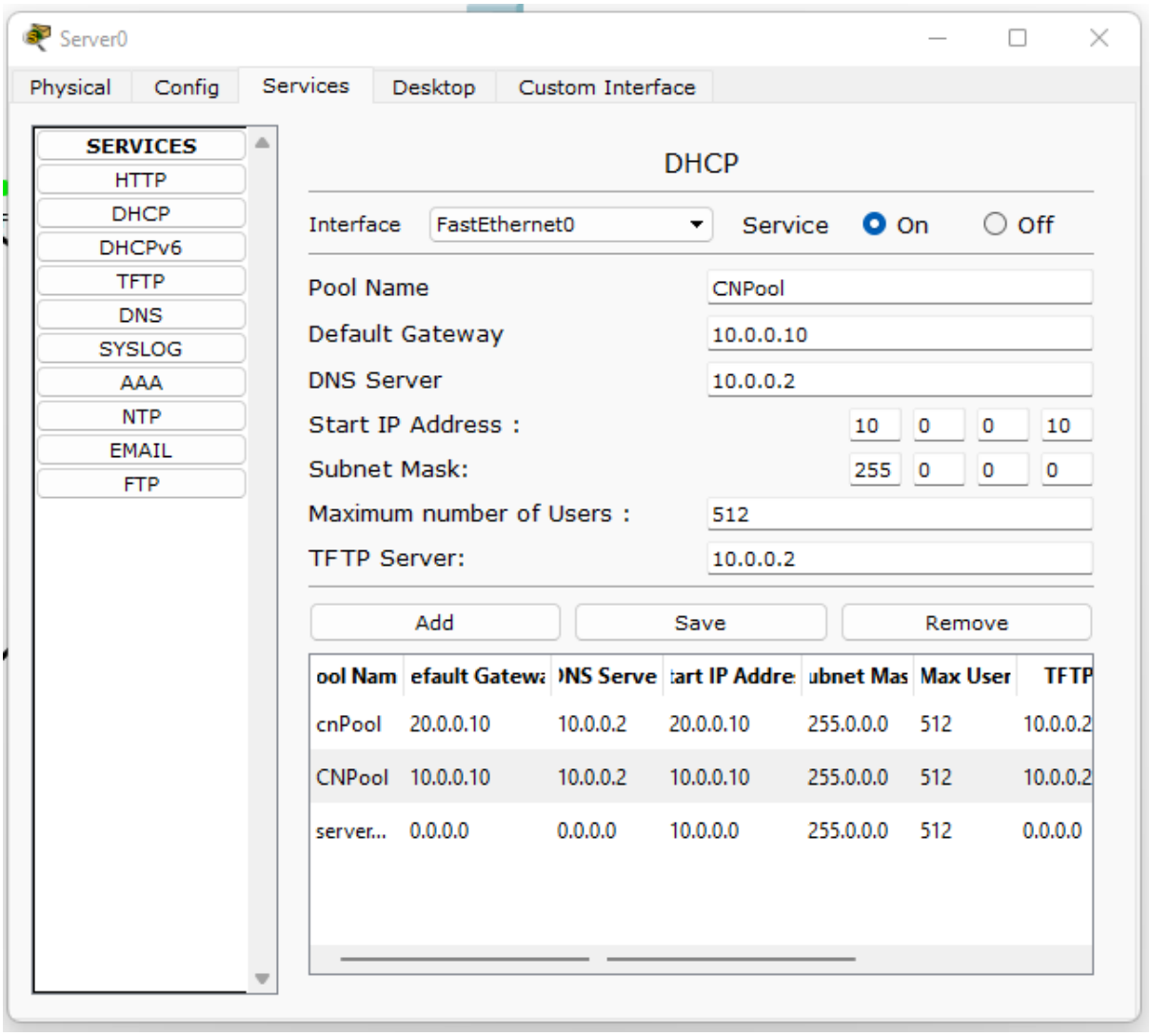

PC0
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
10.0.0.2
Subnet Mask
255.0.0.0
Default Gateway
0.0.0.0
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::201:64FF:FE90:BE5A
IPv6 Gateway
IPv6 DNS Server

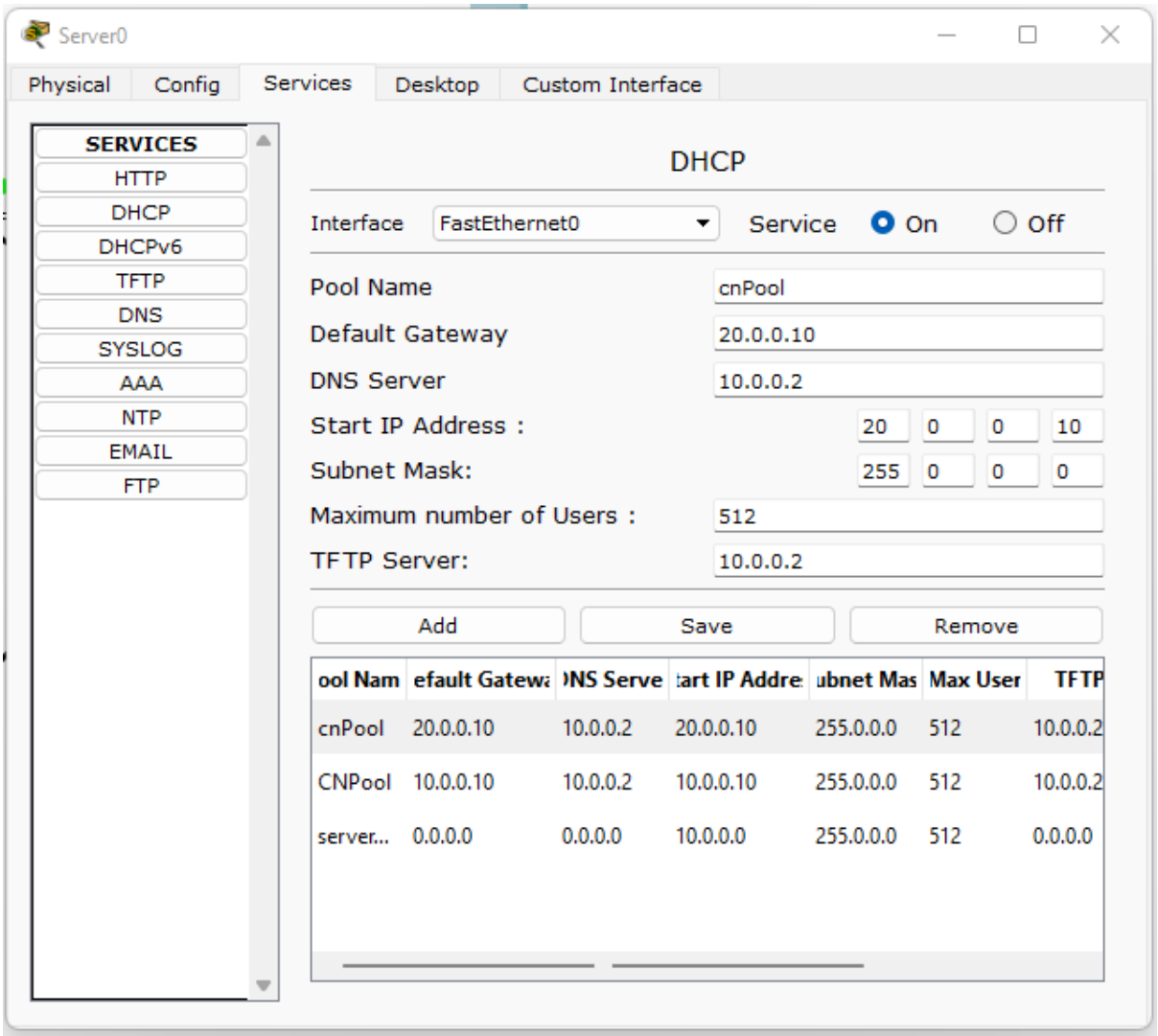

PC1
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
10.0.0.3
Subnet Mask
255.0.0.0
Default Gateway
0.0.0.0
DNS Server
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::20A:41FF:FE2C:4386
IPv6 Gateway
IPv6 DNS Server

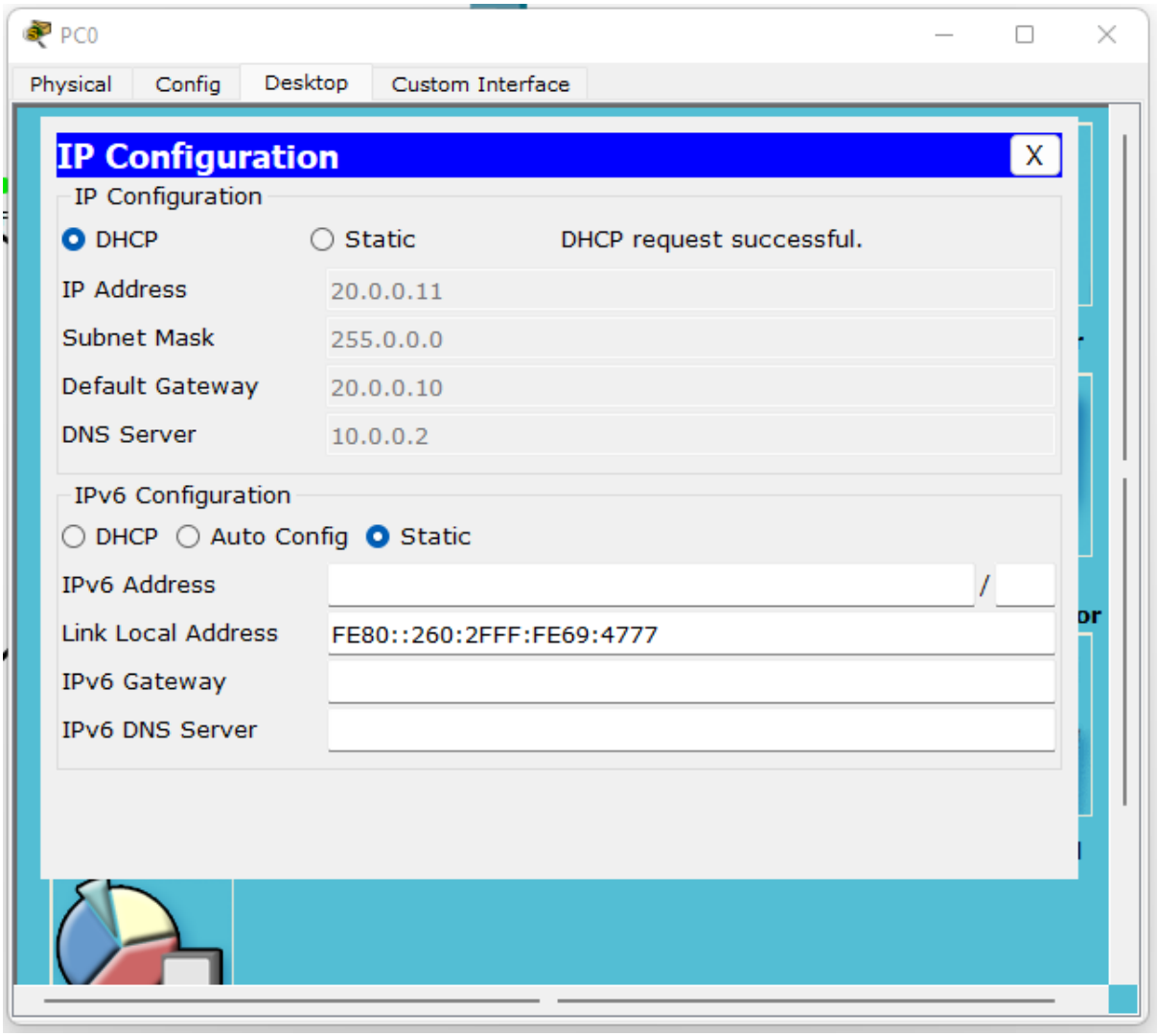
Configuring DHCP LAN:-

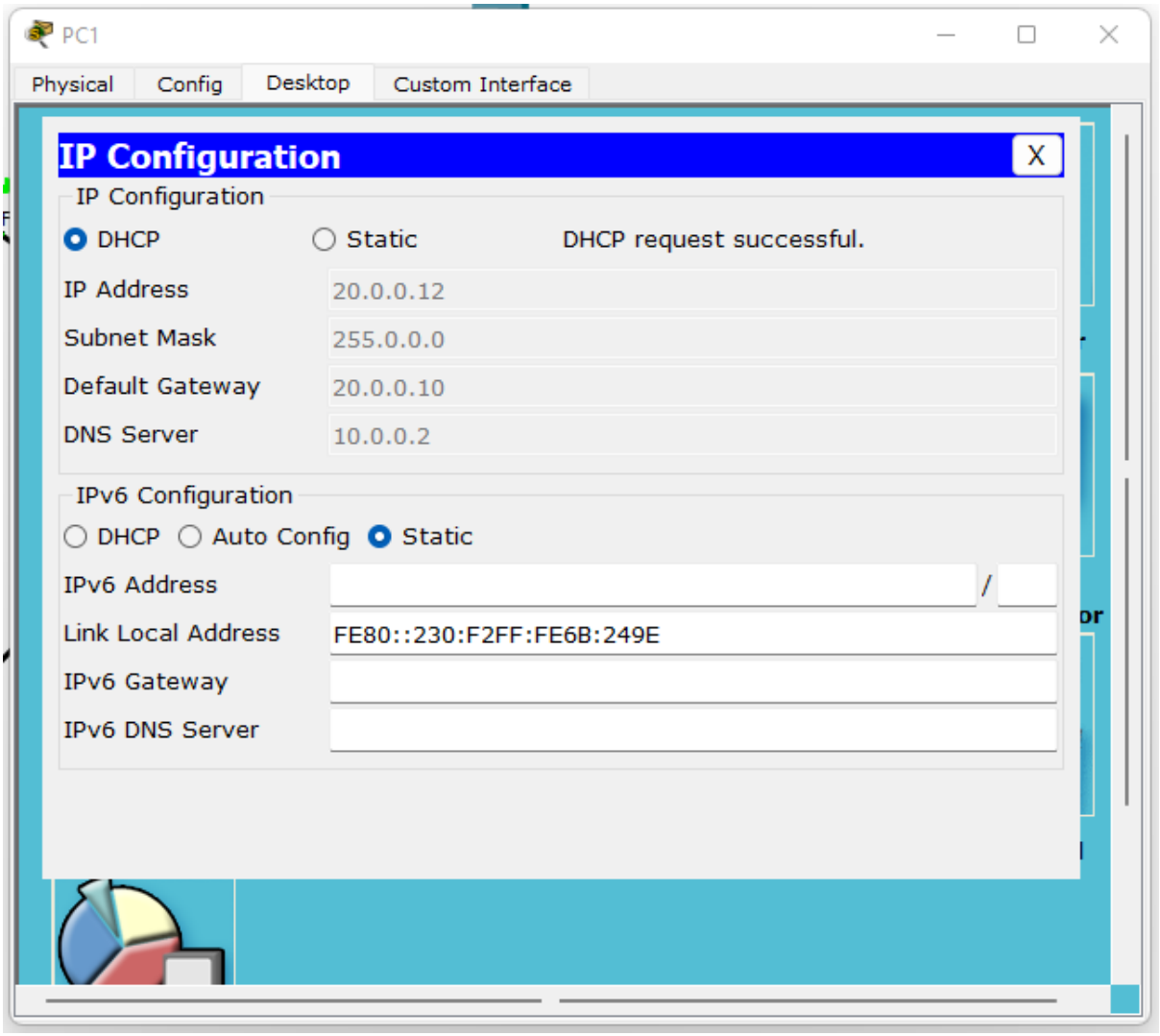



Router0
Physical
Config
CLI
IOS Command Line Interface
--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: no
Press RETURN to get started!
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet 0/0
Router(config-if)#ip address 10.0.0.10 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#interface FastEthernet 1/0
Router(config-if)#ip address 20.0.0.10 255.0.0.0
Router(config-if)#ip helper-address 10.0.0.2
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
Router(config-if)#exit
Router(config)#
Copy
Paste


Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
CNPool
Default Gateway
10.0.0.10
DNS Server
10.0.0.2
Start IP Address :
10 0 0 10
Subnet Mask:
255 0 0 0
Maximum number of Users :
512
TFTP Server:
10.0.0.2
Add
Save
Remove
ool Nam efault Gatew DNS Serve art IP Addre ubnet Mas Max User TFTP
cnPool 20.0.0.10 10.0.0.2 20.0.0.10 255.0.0.0 512 10.0.0.2
CNPool 10.0.0.10 10.0.0.2 10.0.0.10 255.0.0.0 512 10.0.0.2
server... 0.0.0.0 0.0.0.0 10.0.0.0 255.0.0.0 512 0.0.0.0


Server0
Physical
Config
Services
Desktop
Custom Interface
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
cnPool
Default Gateway
20.0.0.10
DNS Server
10.0.0.2
Start IP Address :
20 0 0 10
Subnet Mask:
255 0 0 0
Maximum number of Users :
512
TFTP Server:
10.0.0.2
Add
Save
Remove
ool Nam efault Gatew NS Serve art IP Addre ubnet Mas Max User TFTP
cnPool 20.0.0.10 10.0.0.2 20.0.0.10 255.0.0.0 512 10.0.0.2
CNPool 10.0.0.10 10.0.0.2 10.0.0.10 255.0.0.0 512 10.0.0.2
server... 0.0.0.0 0.0.0.0 10.0.0.0 255.0.0.0 512 0.0.0.0


PC0
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
20.0.0.11
Subnet Mask
255.0.0.0
Default Gateway
20.0.0.10
DNS Server
10.0.0.2
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::260:2FFF:FE69:4777
IPv6 Gateway
IPv6 DNS Server


PC1
Physical
Config
Desktop
Custom Interface
IP Configuration
X
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
20.0.0.12
Subnet Mask
255.0.0.0
Default Gateway
20.0.0.10
DNS Server
10.0.0.2
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::230:F2FF:FE6B:249E
IPv6 Gateway
IPv6 DNS Server