EXPERIMENT 8

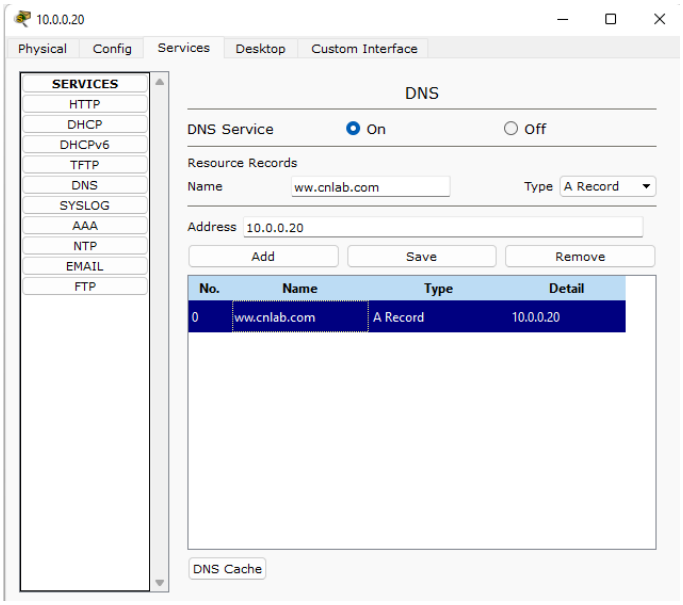
NAME: PRITHVI PRAKASH SHET
USN: 1BM21CS265

Configure http and DNS Server

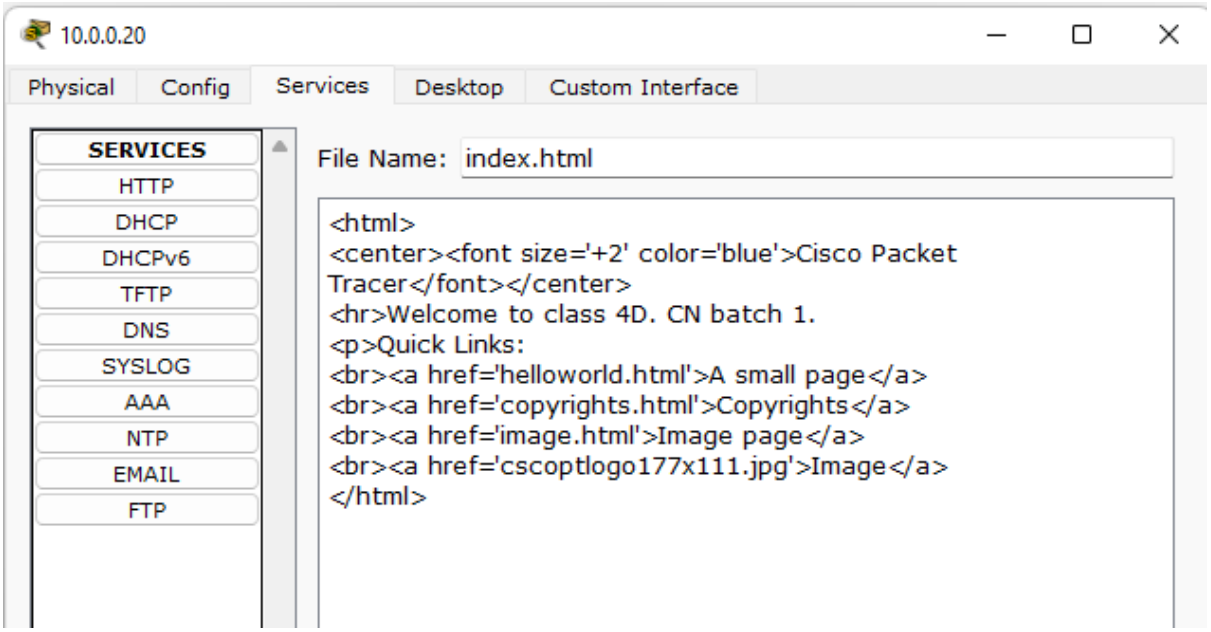
Create a topology consisting of one end device and one server.

TOPOLOGY:

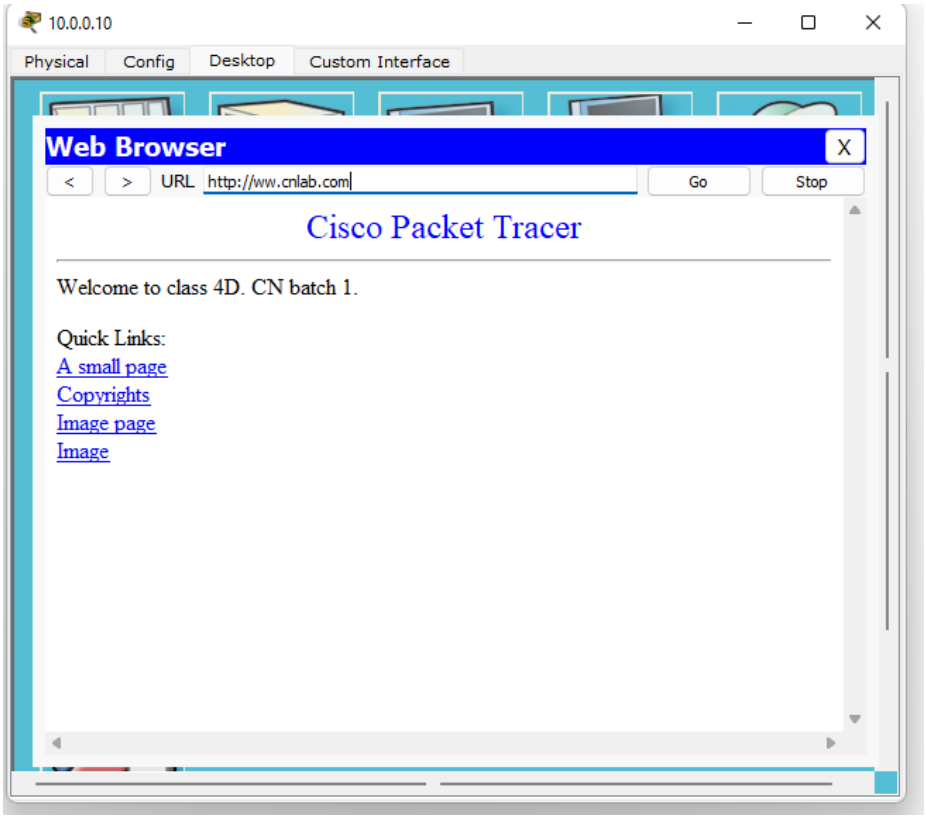
In the server:



Edit the html. Index page(server->services->index.html->edit)

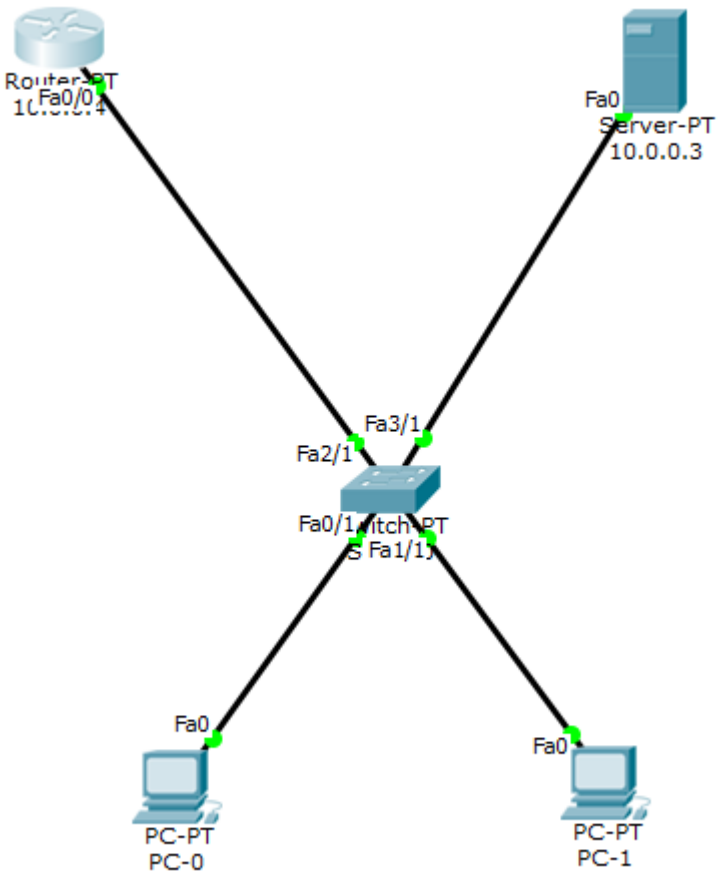


At end device,search frow ww.cnlab.com in web browser:



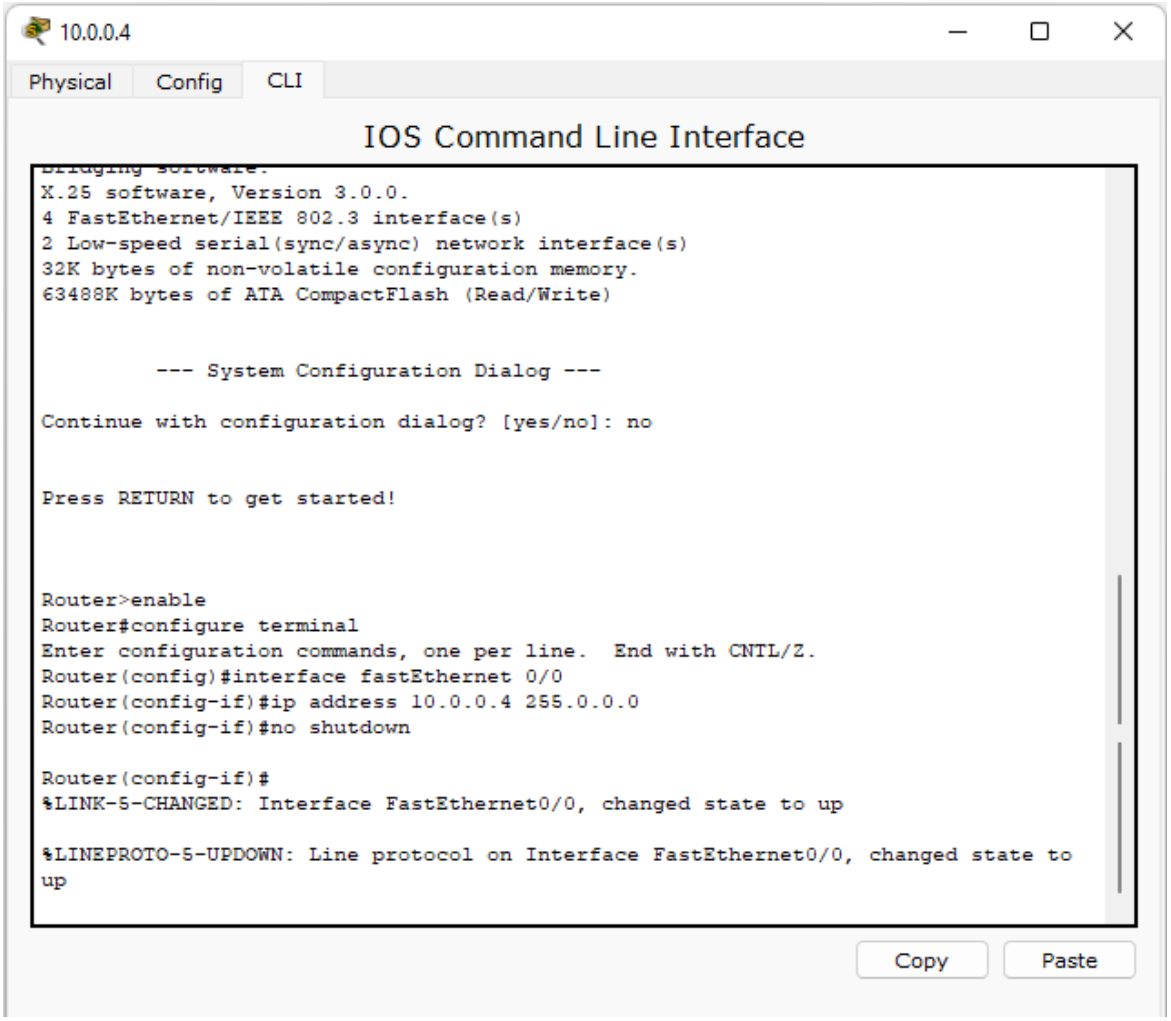
EXP-4.1: Configure DHCP within a LAN.

Topology:

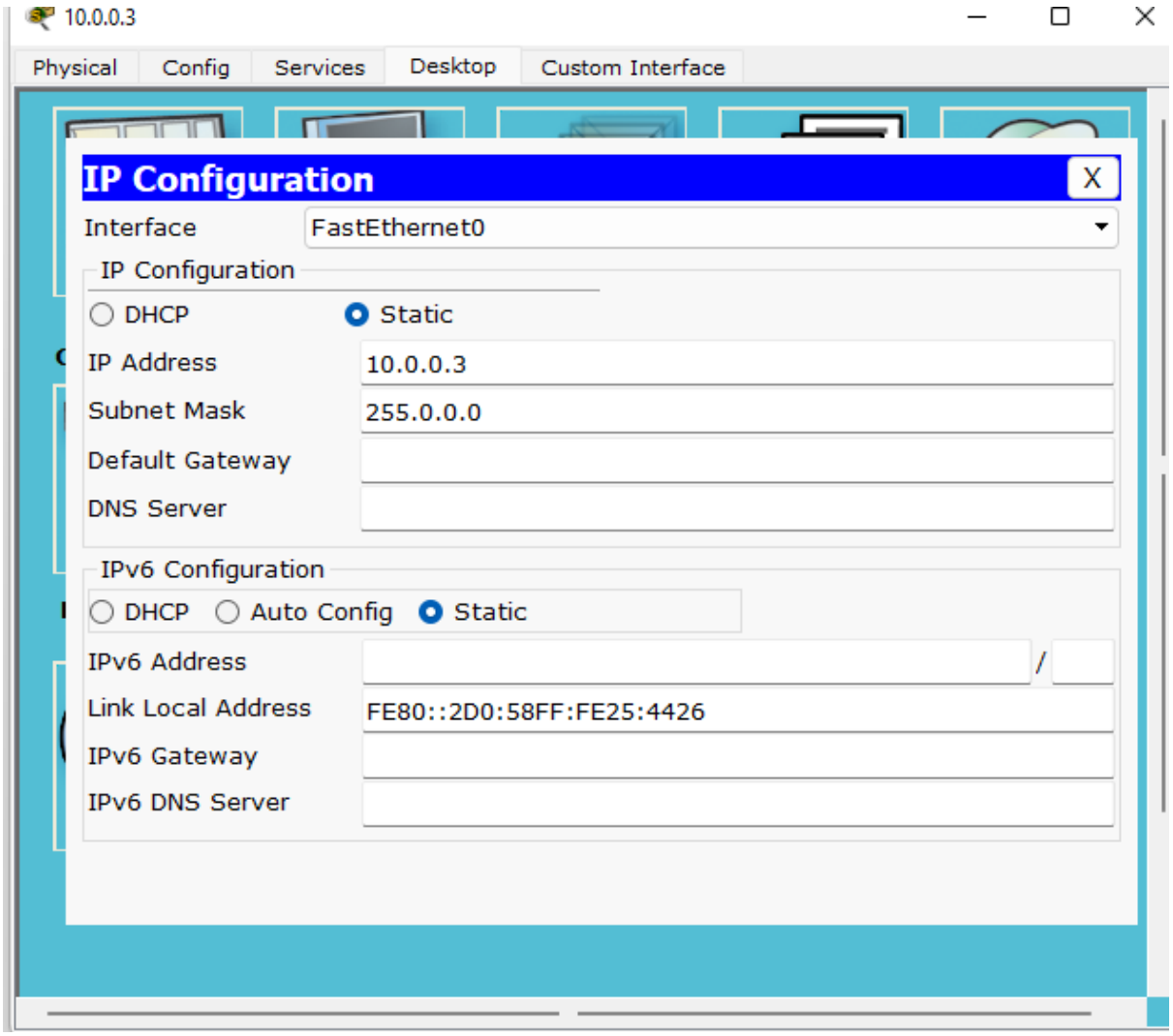


Configure Router and Server ip addresses only:

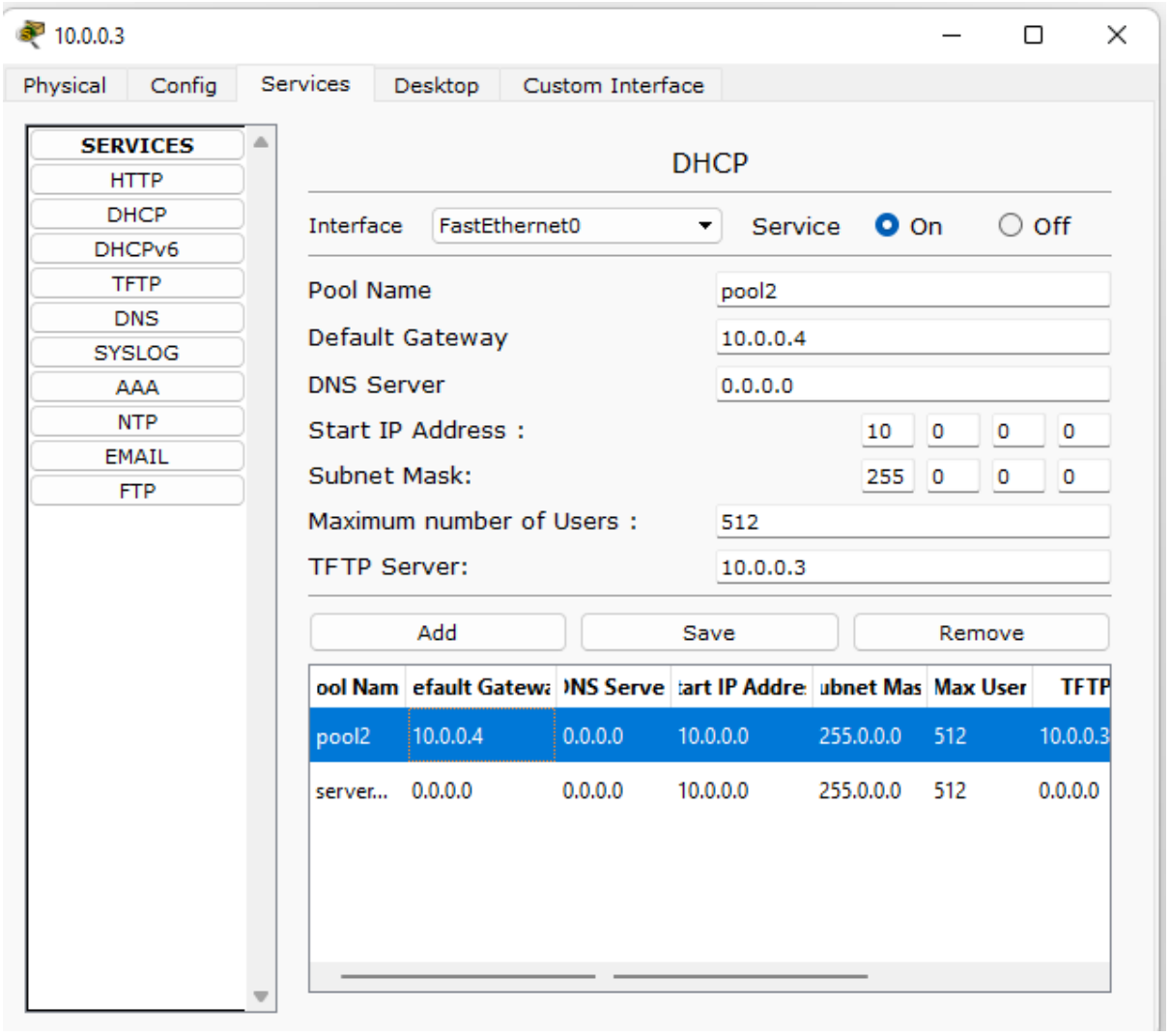
<u>In router CLI(10.0.0.4):</u>



In Server-desktop ip config(10.0.0.3):

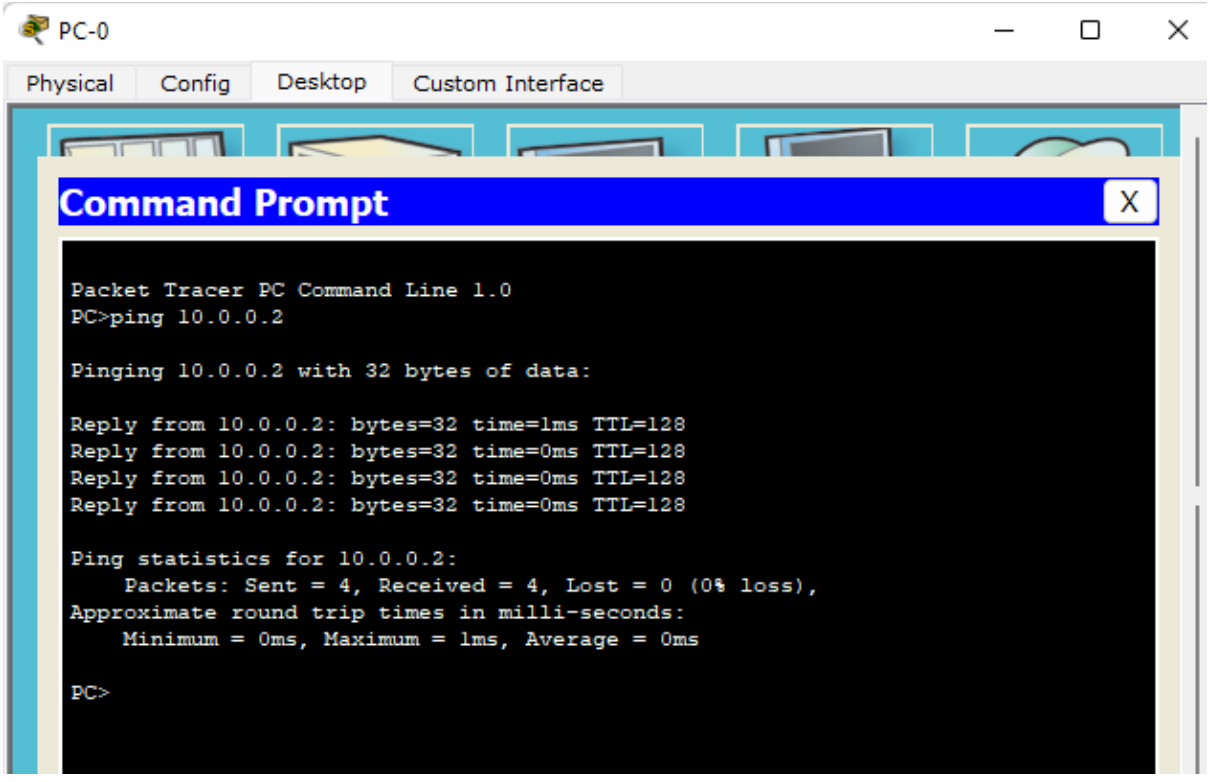


In Server,services,set pool name ,default gateway=ip of router . TFTP server=IP of server.



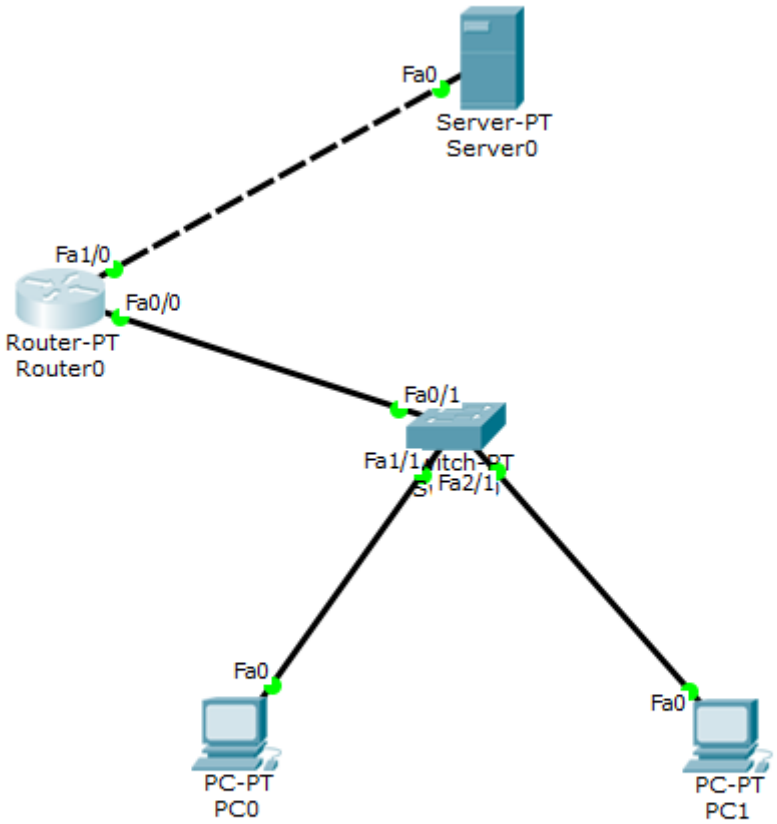
<u>IP for the two end devices get dynamically set:</u>

Pinging from 10.0.0.1(first end device) to 10.0.0.2 (second end device):



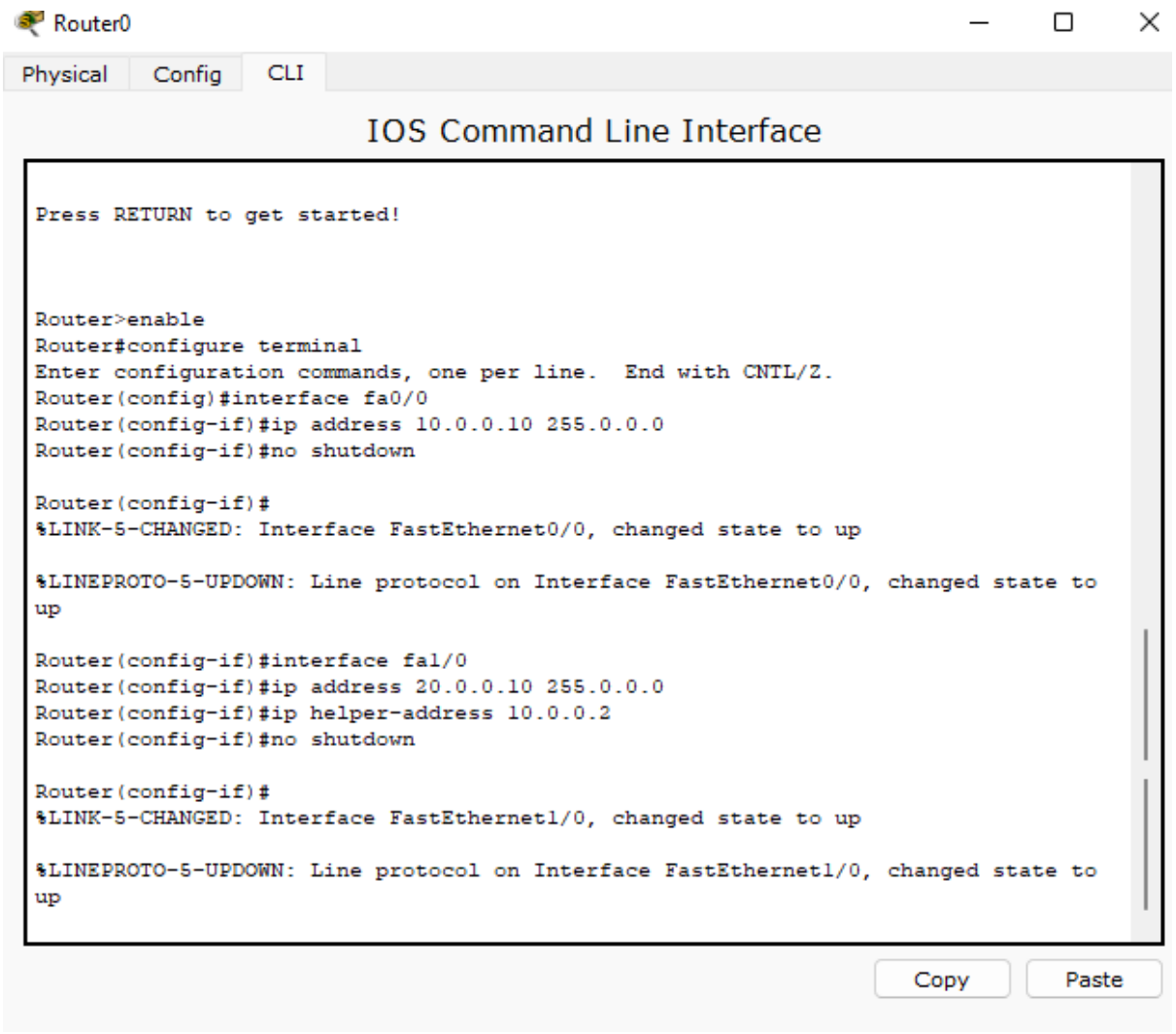
2.Configure DHCP outside a LAN.

Topology:

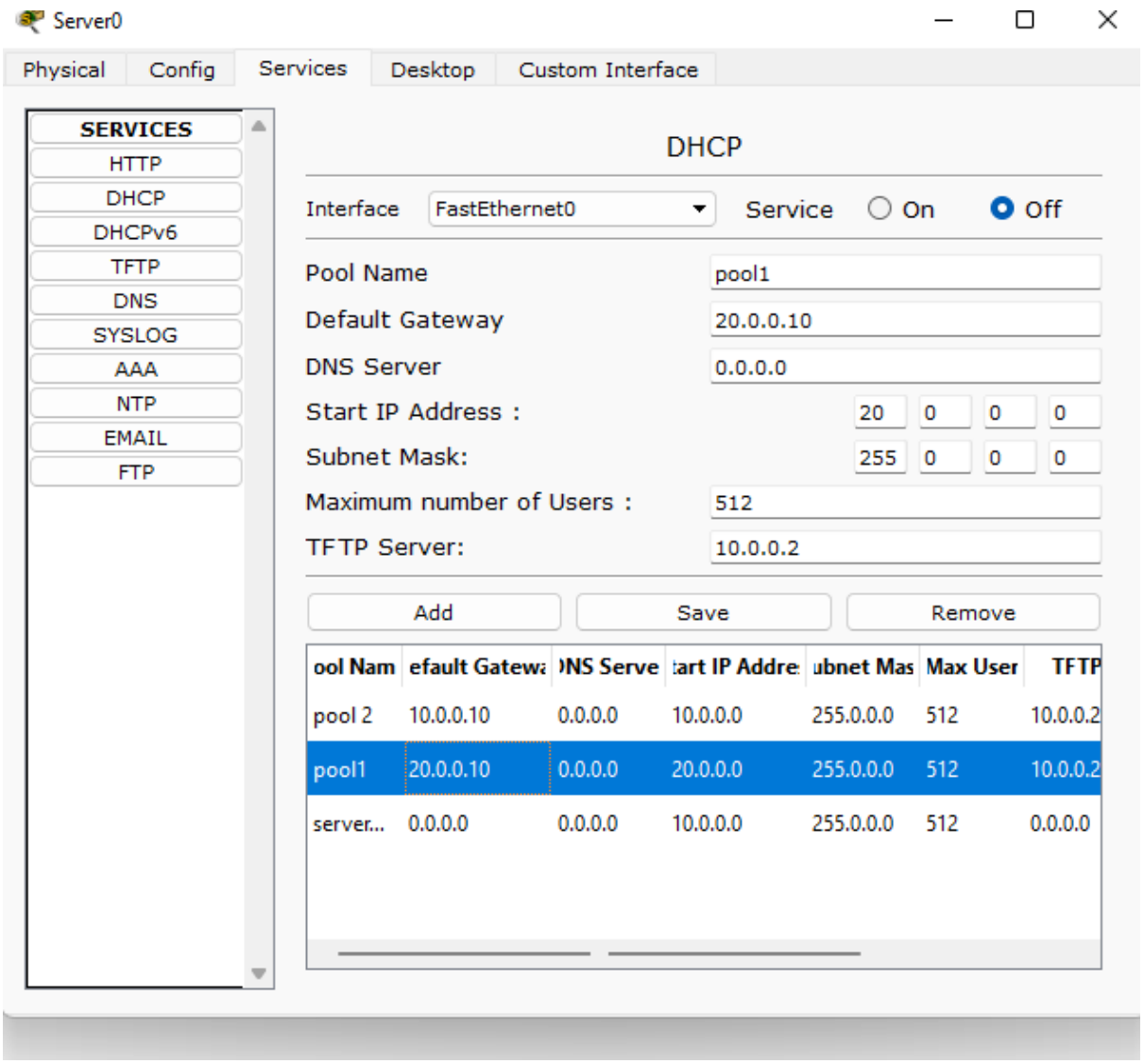


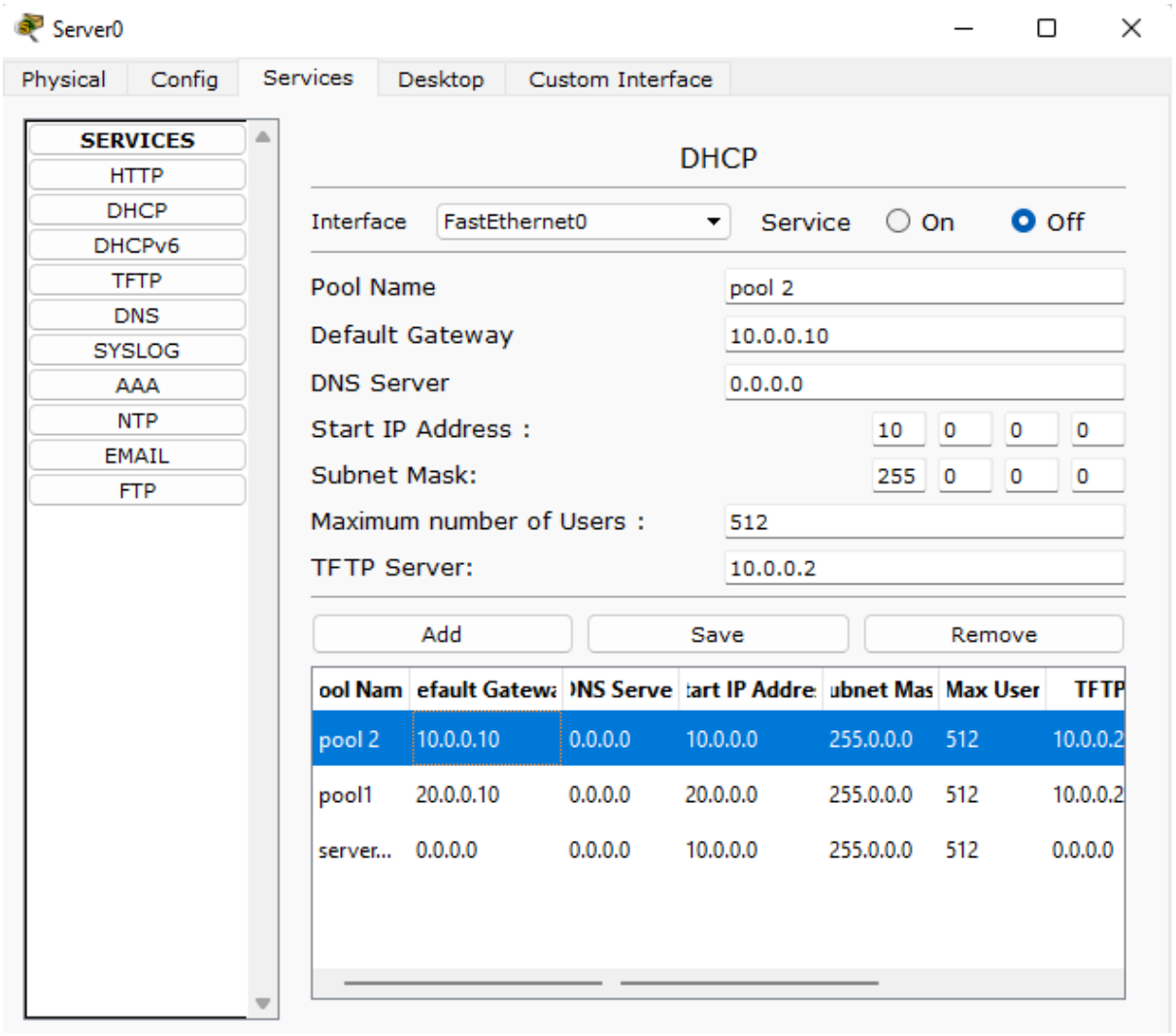
Configure server ip(10.0.0.2) ,default gateway=ip address of router.

Configure router ip in CLI:

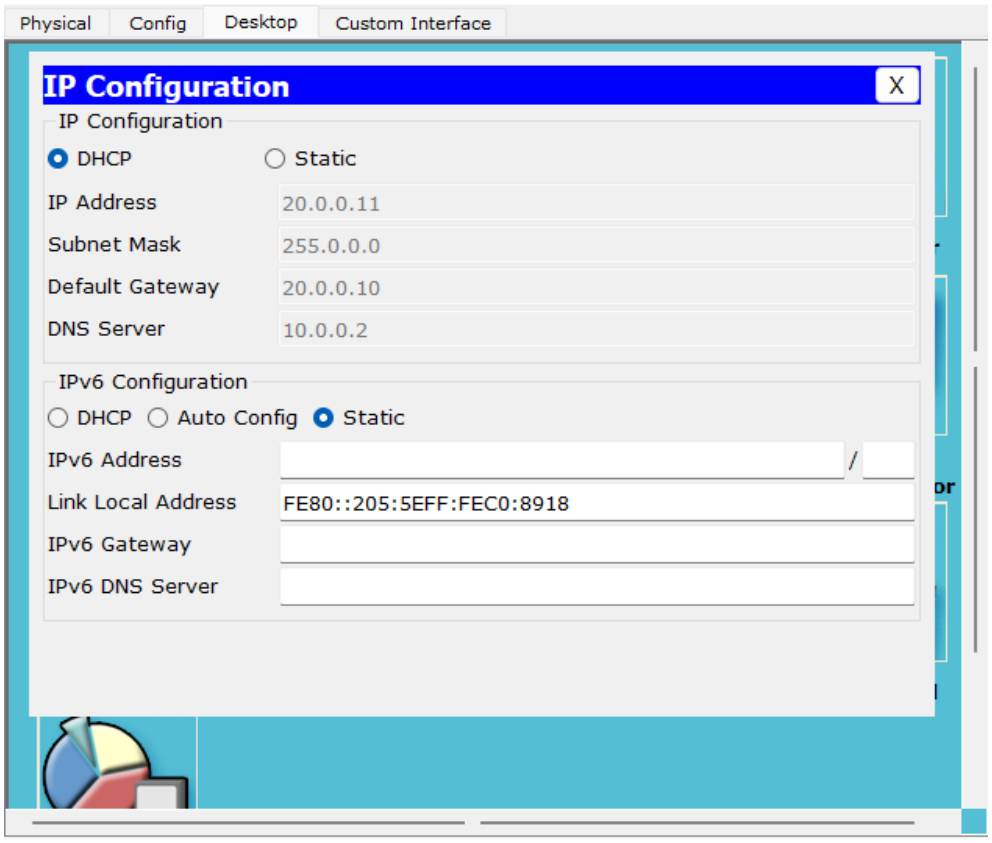


Configure server default gateway(services->DHCP->pool1,pool 2 set default gateway for both server pools ,both the ip addresses of the router)


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
pool1
Default Gateway
20.0.0.10
DNS Server
0.0.0.0
Start IP Address :
20 0 0 0
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
pool 2 10.0.0.10 0.0.0.0 10.0.0.0 255.0.0.0 512 10.0.0.2
pool1 20.0.0.10 0.0.0.0 20.0.0.0 255.0.0.0 512 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
pool 2
Default Gateway
10.0.0.10
DNS Server
0.0.0.0
Start IP Address :
10 0 0 0
Subnet Mask:
255 0 0 0
Maximum number of Users :
512
TFTP Server:
10.0.0.2
Add
Save
Remove
ool Nam efault Gatewa DNS Serve tart IP Addre ubnet Mas Max User TFTP
pool 2 10.0.0.10 0.0.0.0 10.0.0.0 255.0.0.0 512 10.0.0.2
pool1 20.0.0.10 0.0.0.0 20.0.0.0 255.0.0.0 512 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

first PC:



second PC: