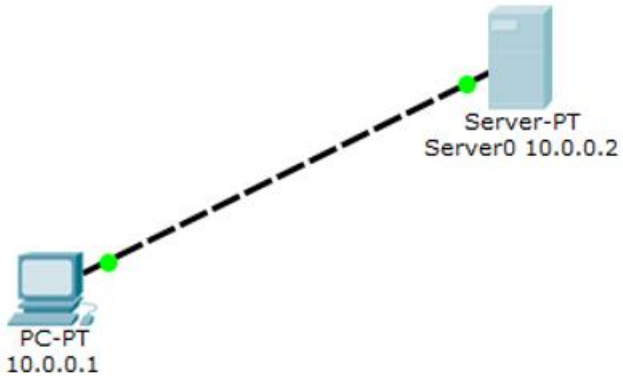
COMPUTER NETWORKS

WEEK-5

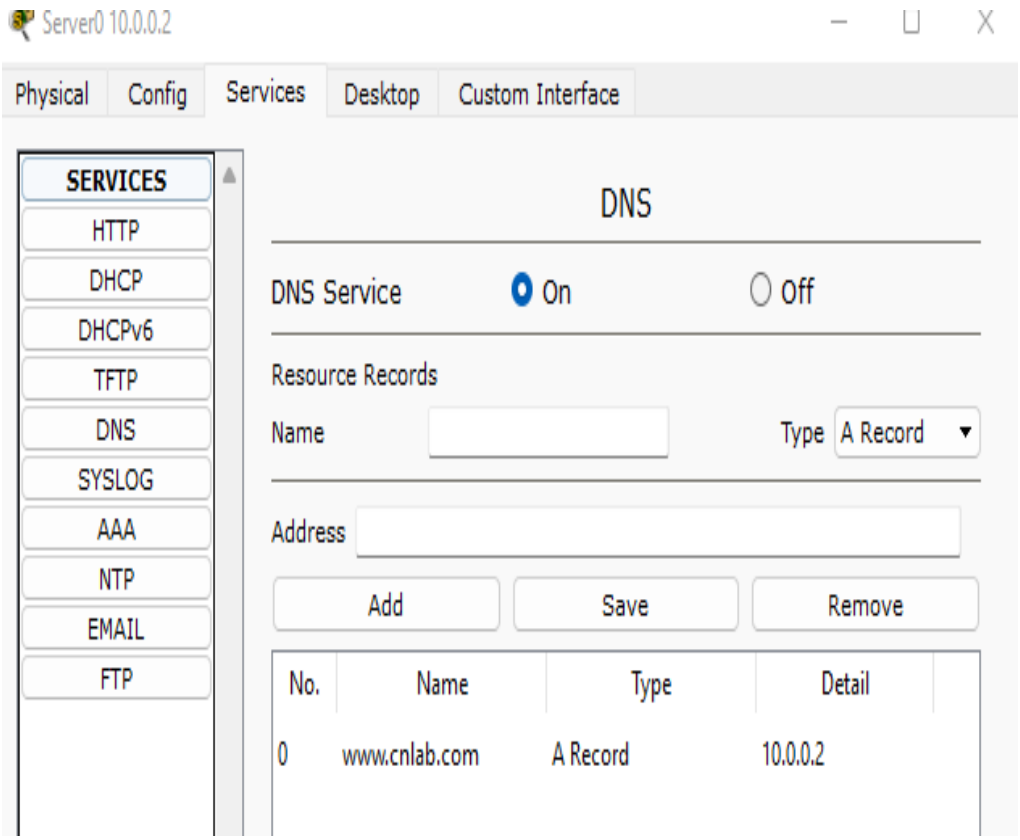
LAB OBSERVATION

Shashank M S – 1BM21CS201

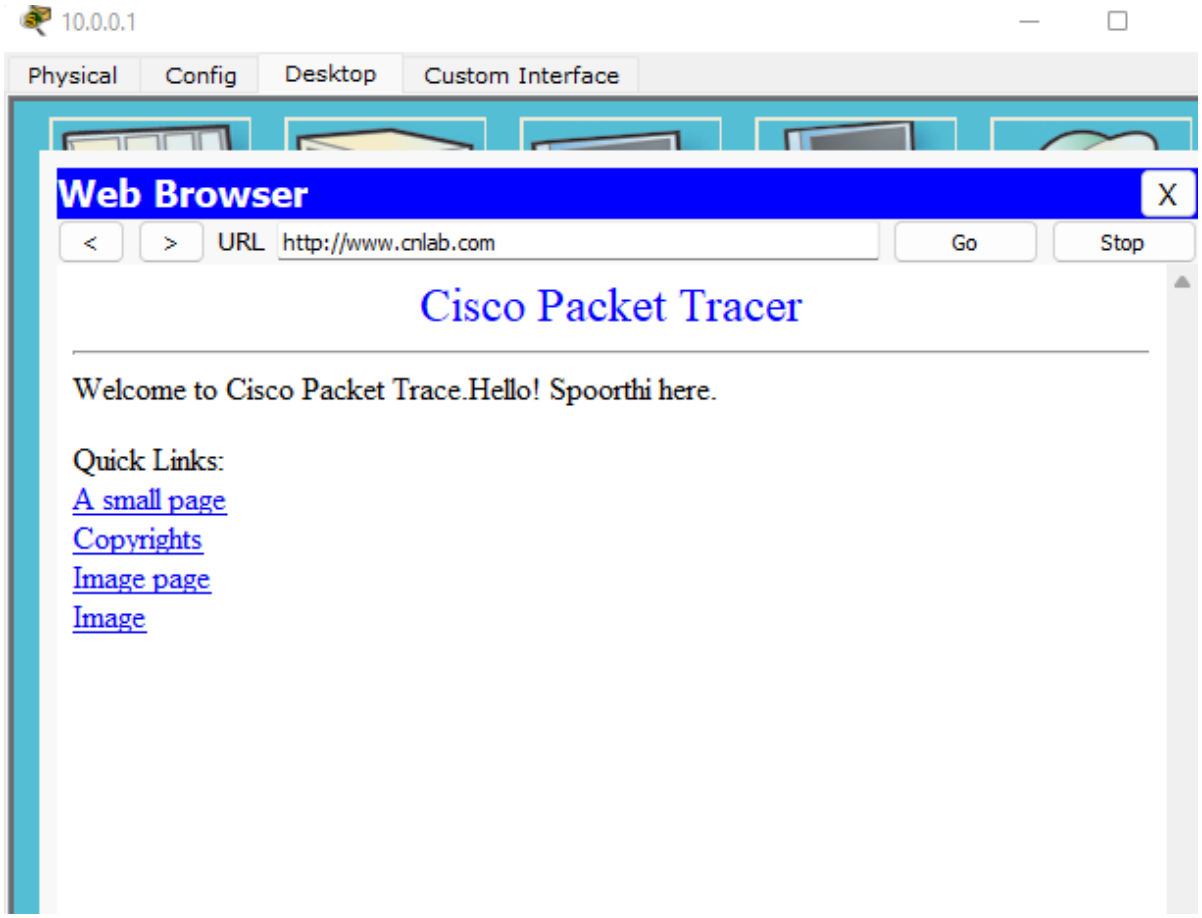
1. Create a topology for DNS:



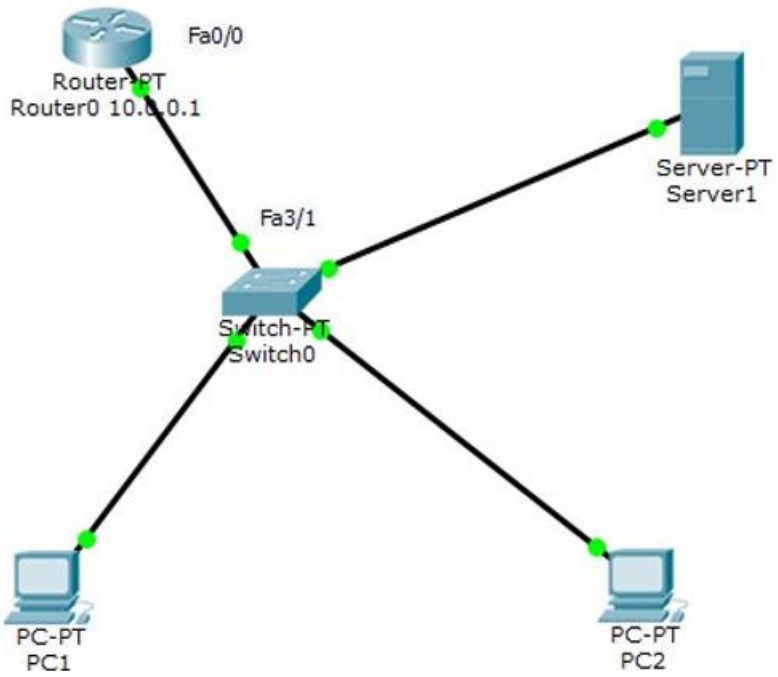
2.



10.0.0.1
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


10.0.0.1
Physical
Config
Desktop
Custom Interface
Web Browser
X
<
>
URL
http://www.cnlab.com
Go
Stop
Cisco Packet Tracer
Welcome to Cisco Packet Trace.Hello! Spoorthi here.
Quick Links:
A small page
Copyrights
Image page
Image

3. Configure DHCP within LAN:



1BM21CS218

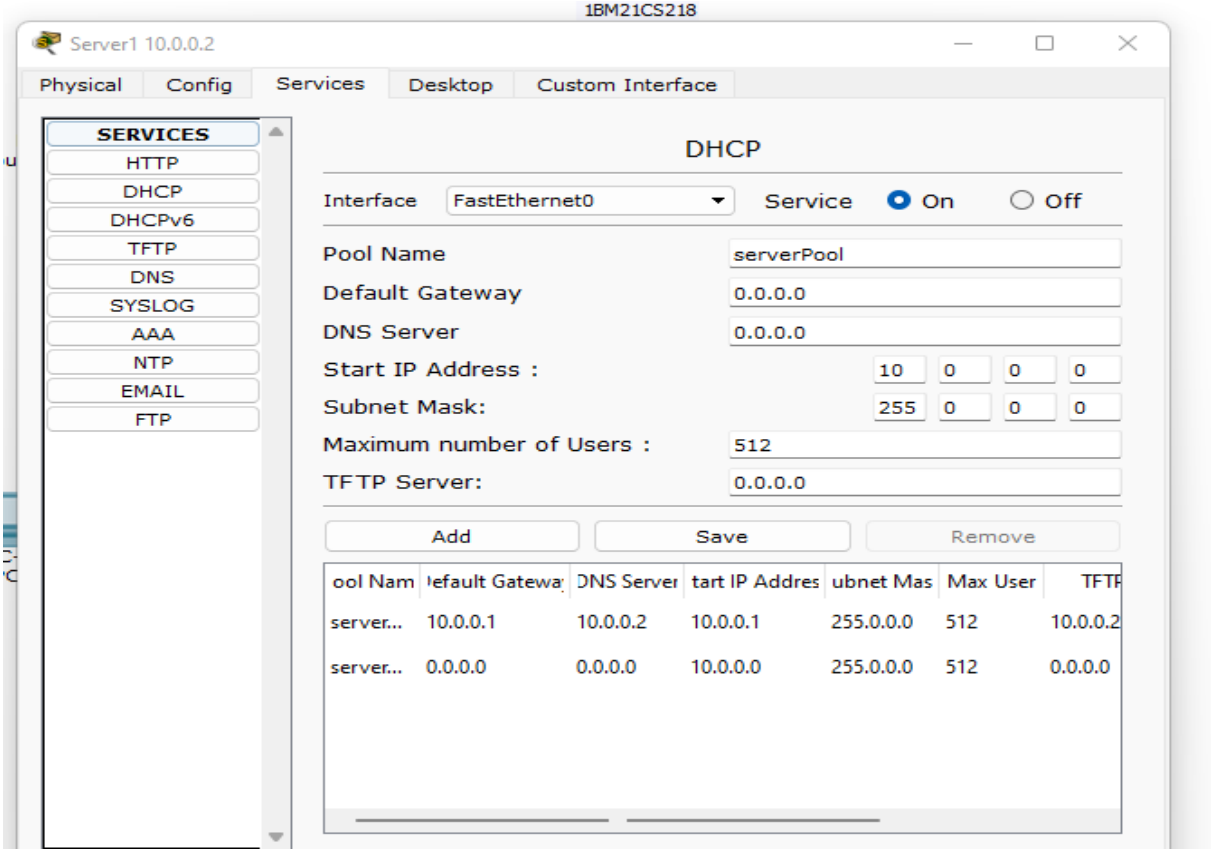
Router0 10.0.0.1

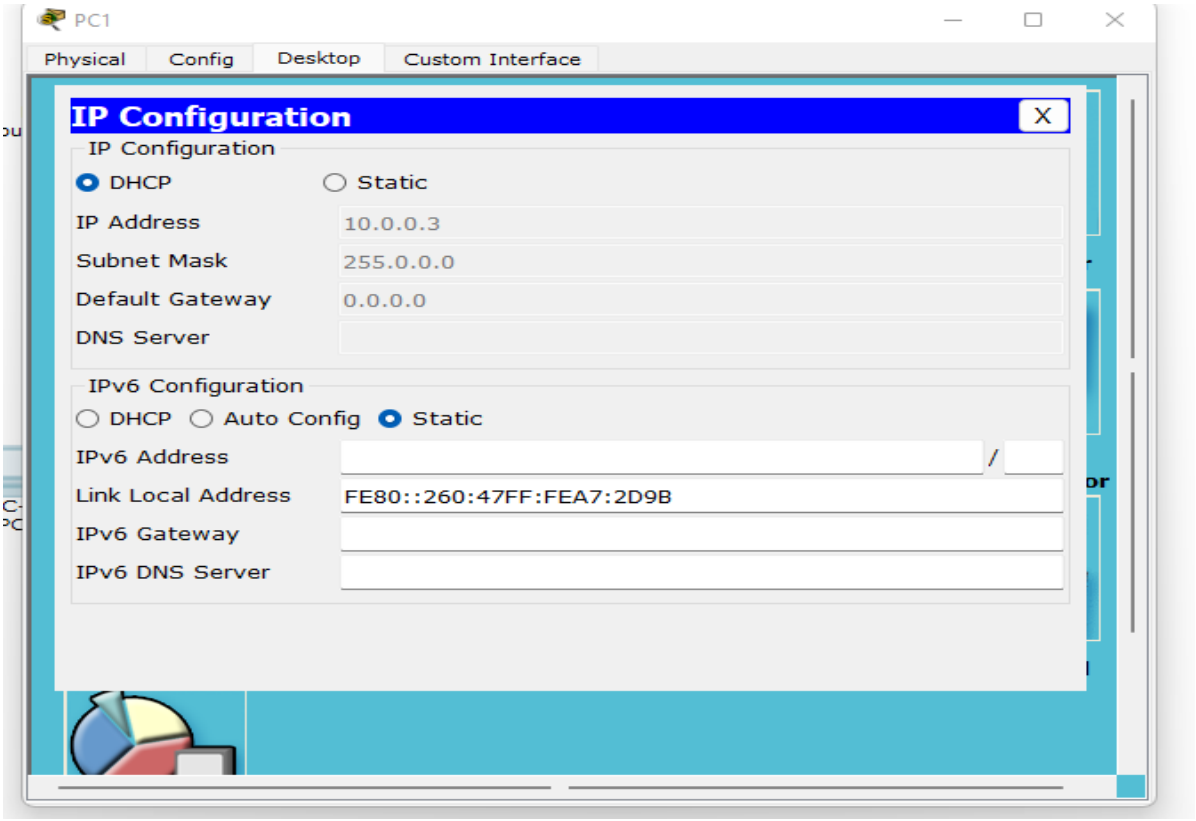
Physical | Config | CLI

IOS Command Line Interface

```
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(sync/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)


         --- 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 FastEthernet0/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
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)#
```

Copy | Paste


Server1 10.0.0.2
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
serverPool
Default Gateway
0.0.0.0
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:
0.0.0.0
Add
Save
Remove
ool Nam
efault Gatewa
DNS Server
tart IP Addres
ubnet Mas
Max User
TFTP
server...
10.0.0.1
10.0.0.2
10.0.0.1
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


PC1
Physical
Config
Desktop
Custom Interface
IP Configuration
IP Configuration
DHCP
Static
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::260:47FF:FEA7:2D9B
IPv6 Gateway
IPv6 DNS Server