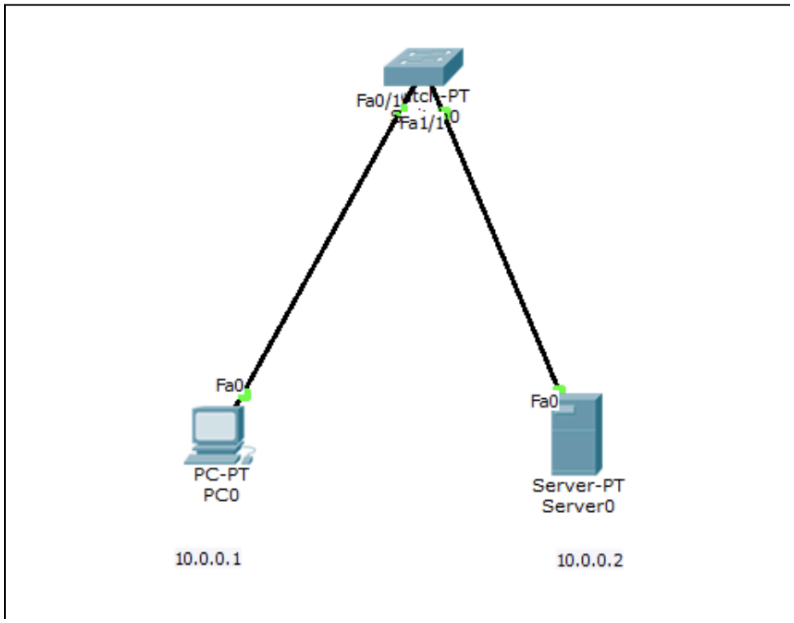
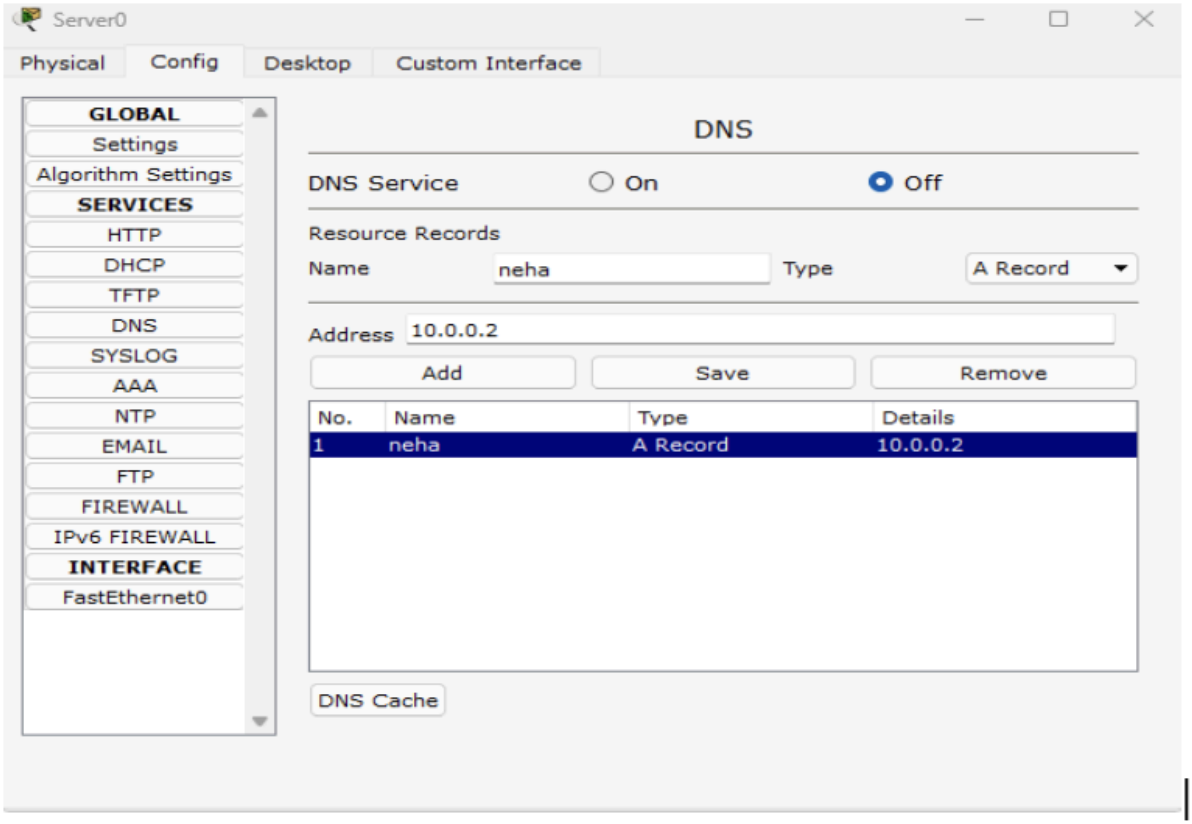
Experiment 12:
Q)CONFIGURE DNS WITHIN A LAN




Server0
Physical
Config
Desktop
Custom Interface
GLOBAL
Settings
Algorithm Settings
SERVICES
HTTP
DHCP
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
FIREWALL
IPv6 FIREWALL
INTERFACE
FastEthernet0
DNS
DNS Service
On
Off
Resource Records
Name
neha
Type
A Record
Address
10.0.0.2
Add
Save
Remove
No.
Name
Type
Details
1
neha
A Record
10.0.0.2
DNS Cache

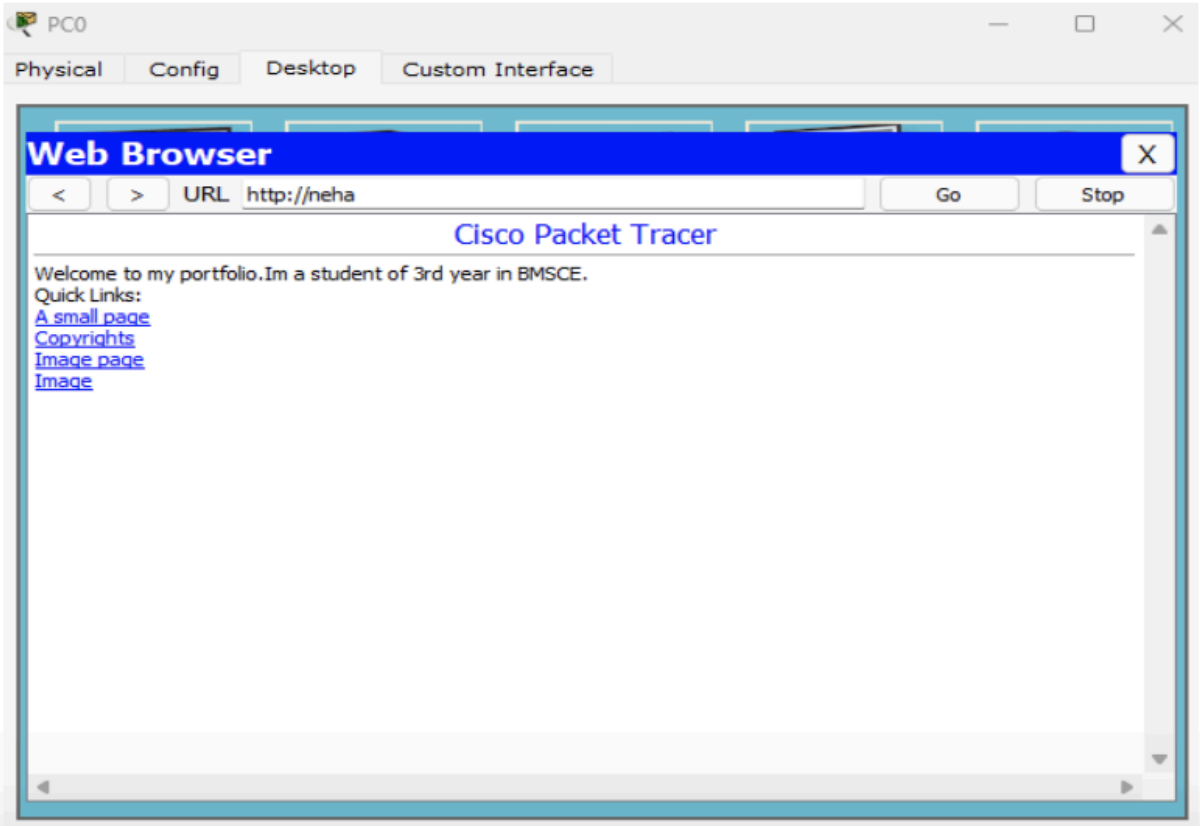

PC0
Physical
Config
Desktop
Custom Interface
Web Browser
X
<
>
URL
http://neha
Go
Stop
Cisco Packet Tracer
Welcome to my portfolio.Im a student of 3rd year in BMSCE.
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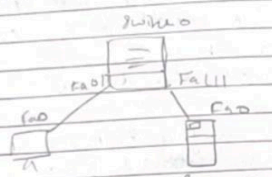
Image

Experiment-12

Q) Configure web server, DNS within a LAN

Aim: To configure DNS server to demonstrate the mapping of IP addresses & domain names

Topology:



connect a PC & server to a switch and assign IP address as 10.0.0.1 & 10.0.0.2 resp

Configuration:

- Open cisco packet tracer & arrange as given in topology and configure the devices as given

PC0: IP address: 10.0.0.2
Server 0: IP address: 10.0.0.3
connect PC0 & server 0 via Switch PT

PC0 connects to switch on interface Fa0 & switch on Fa0/1

Server connects to switch on interface Fa 0 & switch on Fa 0/11

Server 0:

go to server → services → DNS
Enable on

In the text fields add:
Name: abc
address: 10.0.0.3
Click add
go to HTTP
Click edit for index.html [change if needed]
Save

Procedure:

1) Go to PC0 → Desktop → web browser
2) Search 'abc' in url bar (or)
3) Search 10.0.0.2 in url bar
output for both 'abc' & 10.0.0.2

cisco packet tracer

Welcome cisco packet tracer. Opens doors to new opportunities. Mind will open.

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Copyrights
Image Page
Image

Observation:

DNS translates to Domain names to ip addresses. It simplifies accessing website by using human readable names.

In this experiment, a web server & DNS were configured with a LAN to map domain names to ip address. The PC0 successfully accessed the Server 0 by both its ip address & the config name 'abc'. The config was successful allowing the web page to be successful and accessed via both methods.

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