(8)

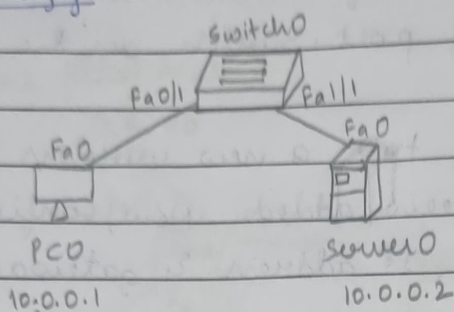# Experiment-12: Configure web server, DNS within a LAN

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

Topology:

SwitchO

FaO/1   Fa1/1

FaO   FaO

PCO   ServerO
10.0.0.1   10.0.0.2

Connect a PC & a server to a switch, 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 below

PCO:

IP address: 10.0.0.2

ServerO:

IP address: 10.0.0.3

Connect PCO & serverO via a switch PT

PCO connects to switch on interface Fa0 & switch on fa 0/1

Server connects to switch on interface Fa0 & switch on fa 1/1

Server O:

Go to Server → Services → DNS

Enable on

In the test fields add:
name: abc
address: 10.0.0.3
click add
go to HTTP
click edit for index. HTML [change if
needed]

Procedure:

1. Go to PC0 → Desktop → Web browser
2. Search 'abc' in url bar (or)
3. Search 10.0.0.3 in url bar
(10.0.0.2)

Output: for both 'abc' & 10.0.0.3

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

Observation:

DNS translates domain names to ip addresses.
It simplifies accessing websites by using
human-readable names.
In this experiment, a web server & DNS were
configured within a LAN to map domain names
to ip addresses. The PC0 successfully accessed
the server0 by both its ip address & the config-

ured domain name 'abc'. The configuration was successful allowing the web page to be accessed via both methods.