Program 12

Aim: Configure Web Server, DNS within a LAN.

Topology, Procedure and Observation:

(32)

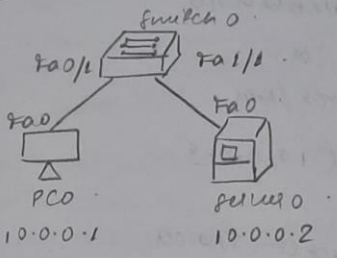
EXPERIMENT-12.

configure web server, DNS within a LAN.

(33)

AIM:- To configure DNS server to demonstrate the mapping of IP addresses & domain names.

TOPOLOGY:-



Connect a PC & a server to a switch, assign ip address as 10.0.0.1 & 10.0.0.2 respectively.

Configuration:-

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

PC0:

IP address : 10.0.0.2.

server 0:

IP address : 10.0.0.3.

Connect PC0 & server 0 via a switch PT

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

server connects to switch on interface Fa0 & switch on Fa1/1.

server 0:

Go to server → services → DNS

Enable on

In dns text fields add:

name: abc

address : 10.0.0.3.

click add

go to HTTP
click save for index.HTML [change if needed]
click save

PROCEDURE:-

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

output: for both 'abc' & 10.0.0.3

Cisco packet Tracer.

Welcome to cisco packet tracer. opening doors to new opportunities. Mind never 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 network a LAN to map domain names to ip addresses. The PC0 successfully accessed the server 0 by both its ip address and the configured domain name 'abc'. The configurations was successful allowing the webpage to be accessed via both methods.

Screen Shots: