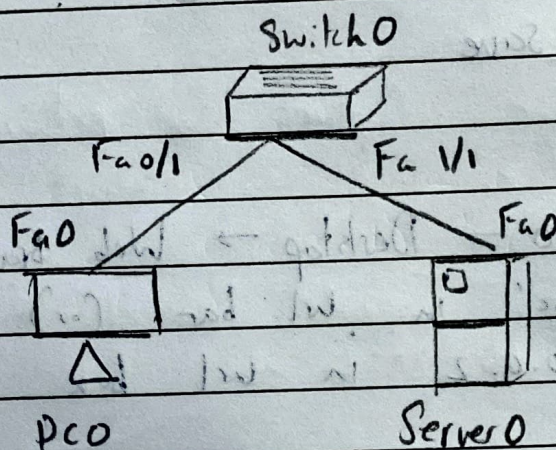


Cycle 1Experiment 12 - Configure with Server, DNS within a LAN.

Aim - To configure DNS server to demonstrate the mapping of IP addresses and domain names.

Topology

Connect a PC and server to a switch, assign IP addresses as 10.0.0.1 and 10.0.0.2 resp.

Open Cisco packet tracer and arrange as given above and configure the devices as below -

• PC0 -

IP address: 10.0.0.2

• Server0 -

IP address: 10.0.0.3

Connect PC0 and Server0 via Switch - PT
 PC0 connects to switch on interface Fa0 and
 Switch on Fa 0/1.
 Server connects to switch on interface Fa0 and
 Switch on Fa 1/1.

Server 0 -

Go to Server → Services → DNS

Enable on

In the test fields add:

name: abc

address: 10.0.0.3

add

go to HTTP

Click edit for index.html

~~the~~ click save

Procedure

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

Output: for both 'abc' and 10.0.0.3

Cisco Packet Tracer

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Observation

DNS translates domain names to ip addresses.

It simplifies accessing websites by using human-readable names.

In this experiment, a web server and DNS were configured within a LAN to map domain

Date ___/___/___

Page _____

names to ip addresses. The PC0 successfully accessed the server 0 by both its ip addresses and the configured domain name 'abc'. The configuration was successful allowing the web page to be accessed via both methods.

N
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