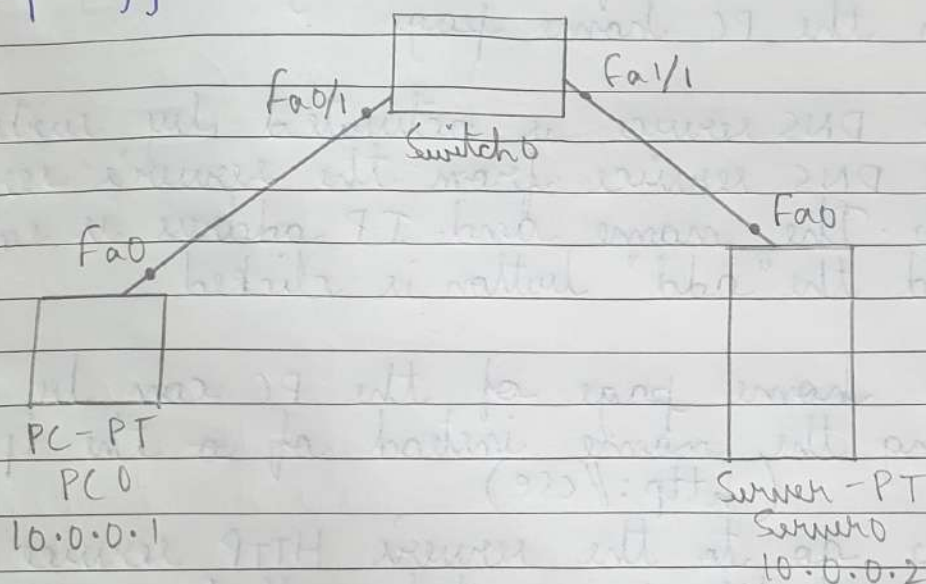


15/12/2022

Aim: Demonstration of web server and DNS using packet tracer.

Topology:



Procedure:

- Place a PC, a server and a switch and connect them with suitable connections and then place the nodes.
- The IP address and subnet mask are set for the PC as 10.0.0.1 255.0.0.0 and 10.0.0.2 255.0.0.0 for the server.
- The web browser in the desktop tab are invoked for the PC and the ip address of the PC is given as http://10.0.0.2. Then a home page is displayed.



- Now the services tab of the server is clicked and HTTP is selected. A window is seen with all the files and when the index.html file is changed it gets reflected on the PC home page.
- The DNS service is activated by switching on the DNS service from the server's services tab. The name and IP address is entered and the "add" button is clicked.
- The home page of the PC can be opened using the name instead of the IP address (http://cse).
- Now go to the server's HTTP service and a new file is created called cv.html and the file is saved.
- Open web browser of the PC and when the command http://cse/cv.html is given the new file cv.html is appeared on the screen.

Observations:

Learning outcome: DNS protocol helps to map a name with an IP address. This protocol is very useful because the users are comfortable with the names and the computers are comfortable with the IP address.

Result:

The file typed in HTTP of server is  
cv.html

<html>

<head>

CV

</head>

<body>

Name: Apoorva <br><br>

College: BMSCE

</body>

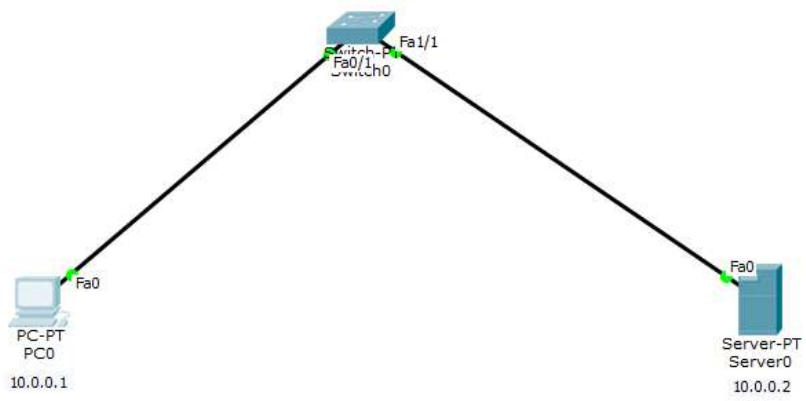
</html>

The output seen in the web browser of PC is

URL: http://cse/cv.html

CV Name: Apoorva

College: BMSCE



1BM20CS067



Server0

PhysicalConfigServicesDesktopCustom Interface

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

HTTP

HTTP

OnOff

HTTPS

OnOff

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo17x...		(delete)
3	cu.html	(edit)	(delete)
4	helloworld.html	(edit)	(delete)
5	image.html	(edit)	(delete)
6	index.html	(edit)	(delete)

New FileImport

Server0

PhysicalConfigServicesDesktopCustom Interface

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

DNS

DNS Service

OnOff

Resource Records

Name

TypeA Record

Address

AddSaveRemove

No.	Name	Type	Detail
0	cse	A Record	10.0.0.2

DNS Cache

18M20CS067

