

## WEEK5

Configure Web Server, DNS within a LAN.

OBSERVATION:

Lab 5. (i)

DNS

Aim: Configure DNS server with LAN

Topology:

```
graph LR; PC[PC-PT PC0] --- Switch[switch-PT switch A]; Switch --- Server[server-PT SERVER-0]
```

Procedure:

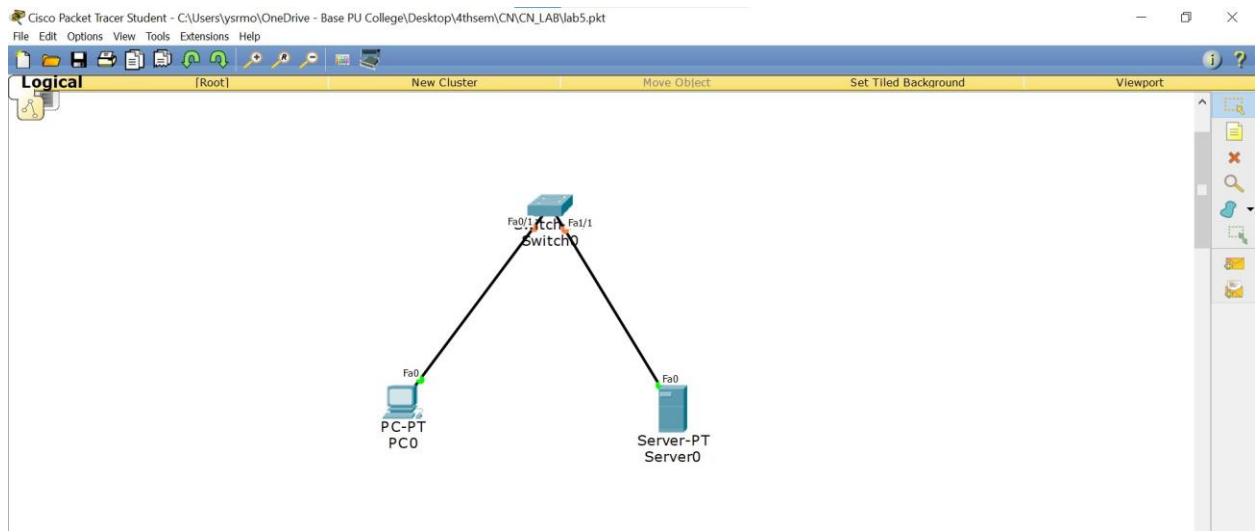
- 1) Create a topology as shown above
- 2) Configure the PC with IP address & gateway and subnet mask.
- 3) Add DNS as 10.0.0.2 to the PC & the IP address subnet mask as 10.0.0.1 and gateway 10.0.0.2
- 4) Click on server & click on services → HTTP & HTTP2. click 'ON' then select the DNS click on 'ON' and add Name: test.com Address: 10.0.0.2
- 5) Now go to config → fast Ethernet - IP address 10.0.0.2 subnet mask 255.0.0.0
- 6) Now go to settings on desktop → web browser & type the 'test.com' in URL & click go.
- 7) Now go to settings in the config gateway 10.0.0.2 DNS server 10.0.0.2
- 8) Now go to PC click on desktop → web browser & type the 'test.com' in URL & click on go
- 9) Now will see the html index has written in the HTTP button

### Observation:

DNS is the Domain Name system. DNS is linked to the internet & focused on a system using Internet Protocol (IP). DNS server are required for the working of DNS. The IP address is calculated with the aid of a lookup table.  
→ PC communicated with the server using the IP address as well as using the Domain.

21/8/2027

## TOPOLOGY:



## OUTPUT:

