

WEEK5

Configure Web Server, DNS within a LAN.

OBSERVATION:

Lab 5. (i)

DNS

Aim: Configure DNS server with LAN

Topology:

```
graph LR; PC0[PC-PT PC0] --- S0[switch-PT Switch 0]; S0 --- S1[switch-a]; S1 --- Server0[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 & HTTPS. 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.
- 6) Now go to settings in the config gateway 10.0.0.2 DNS server 10.0.0.2
- 7) Now go to PC click on desktop → web browser & type the 'test.com' in URL & click on go
- 8) Now will see the html index page has written on 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 servers 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.

NP
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TOPOLOGY:

