

Experiment-4

- Aim:- To implement DNS in Network.

DNS - It stands for Domain Name System

- It is a directory that provides a mapping between the name of a host on the network and its numerical address.
- It is required for the functioning of the internet.

- Procedure:-

- Now, first at all, we configure DHCP Server, so we can assign the automatic ip address on all the other system. To do so go to DHCP Server and open it. Then assign the ip address to the server and give DNS address.
- Now the work on the DHCP is completed and DHCP Server is configured successfully. Now, this server is able to provide an ip address to the system which are connected to this network.

Teacher's Signature : _____

Configure Router :-

Config t

Router (config) # interface gig 0/0

Router (config-if) # help

Router (config-if) # ip helper-address 172.168.1.2

Similar Step for gig 0/1 and gig 0/2

- Now the Next step is to configure DNS server. So, we can provide a medium in between ~~HTTP~~ Server and Clients. First select the DNS then after that in desktop go to ip configuration method from Static to DHCP. Now you can observe that it will request for an IP address from DHCP.

- Now, Configure ~~DNS~~ Server on this Server. So, we can ~~provide~~ a platform to make communication between Server and Clients. To do so, go to Services and select DNS then give the name and IP address of the HTTP Server as :- click on add button to add these entries in DNS Server. After that turn ON DNS Services on this Server.

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- Now, to configure HTTP Server on next machine. Same as DNS server and DHCP Server. assign ip address to it by using DHCP as given
- Go to HTTP Server, now go to menu and create a page or edit a page which will shown on a browser.
- Conclusion :- Now, all the Server are configured. So, we assign the IP address to the Pcs. using DHCP Server as given. Now in a Browser type the name of page google.com or www.mypage.com as a result. Our page will appear on the Screen.