

CONFIGURE & SETUP A LAN USING SWITCH.

Aim:

Setup and Configure a LAN using a Switch and Ethernet cables in your lab.

Step 1: Plan and Design an appropriate network topology taking into account network requirements and equipment location.

Step 2: You can take 4 computers

a switch with 8, 16 or 24 ports which is sufficient for networks of these sizes and 4 Ethernet cables.

Step 3: Connect your computers to network switch via an Ethernet cable, which is as simple as plugging one end of the Ethernet cable into your computer and the other end into your network switch.

Step 4: Assign IP address to your PCs.

1. Log on to the Client Computer as owner.

2. click Network & Internet Connection

3. Right click local area connection

→ Go to properties → select Internet Protocol → click on properties →

Select wireless interface

Step 5:- Configure a network switch.

1. Connect your computer to switch. To access the switch's web-interface you will need to connect your computer to switch using ethernet cable.

2. Log in to the web-interface.

Open a web browser and enter the IP address of switch in address bar. This should bring up the login page for the switch's web-interface. Enter the username and password to log in.

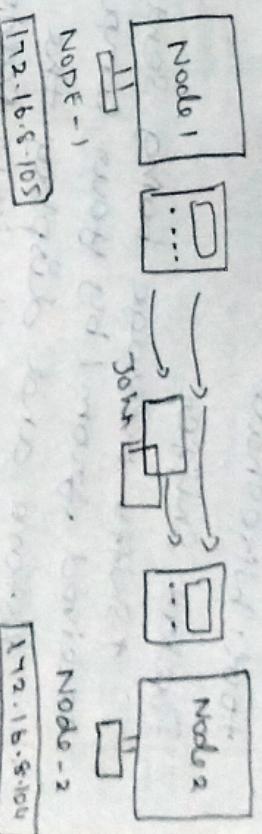
3. Configure basic settings. Once you're logged in, you will be able to configure basic setting for switch.

4. Assign IP Address.

Step 6:- Check the connectivity between switch and other machine by ping command via command prompt of the device:

Step 7:- Select a folder → go to properties → click sharing tab → Share it with everyone or the same name or more

Step 8:- Try to access the shared folder from other computer or the network.



Outcome :- Thus the file that sent through 172.16.8.104 was sent successfully.

Node 1 :- 172.16.8.105

Node 2 :- 172.16.8.104

Result:-

thus the setup and configuration of LAN using a switch and Ethernet Cable is successfully done.