

xp: 4

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SETUP & CONFIGURATION SWITCH AND ETHERNET

Aim:

To setup and configure a LAN usage a critical and ethernet cable in your lab.

What is LAN?

A Local Area Network (LAN) refer to a network that connects devices within a small area office building etc. It enables users to have resources, printers and ethernet answers.

PROCEDURE:

How to setup a LAN?

- 1) Plan and design an appropriate network.
- 2) You can take computers, a switch.
- 3) Connect your computer to network via ethernet cable.

4) String IP address to your computer

i) log on to the client computer.

ii) Click network & internet communication.

iii) Right click Area Connection/Ethernet

Go to properties → select Internet

Protocol → Click on Properties → Select

use the following IP address option and assign IP address.

5) Configure a network switch

i) Connect your computer to the switch. To access the switch's web interface, you will need to connect your computer to the switch using an Ethernet cable.

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

iii) Configure basic settings: Once you're logged in, you will be able to configure basic settings for the switch.

iv) Assign IP address as: 10.1.1.5 subnet mask 255.0.0.0

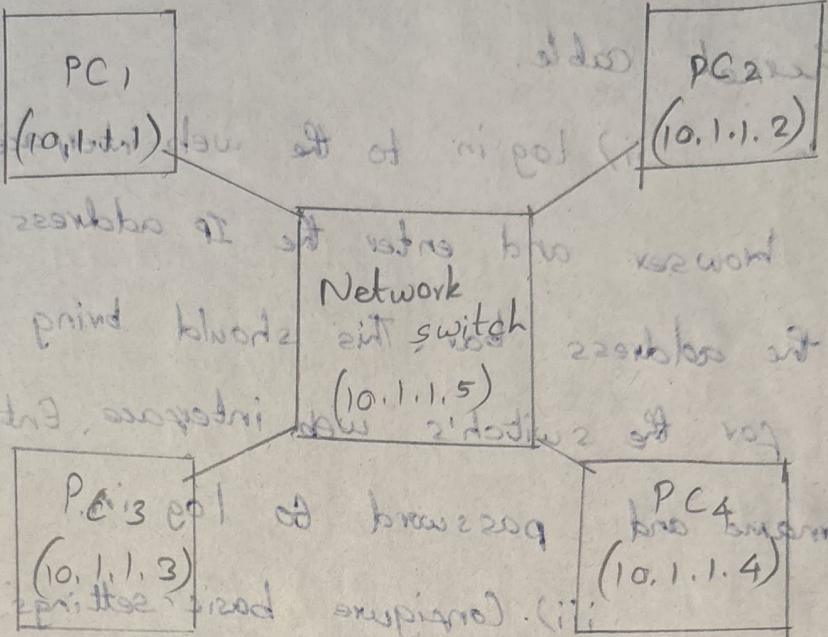
6) Check the connectivity between switch and other machine by using ping command in the command prompt of the device.

1) Select a folder, → go to properties → click sharing tab → share it with everyone on the same

LAN.

8) Try to access the shared folder from other computers of the network.

LAN Configuration Diagram.



Result:

Thus the setup and config of LAN using switch & ethernet is done.