

Aim:

set up and configure a LAN using switch & ethernet cable in your lab

What is LAN?

A Local area network refers to a network that connects devices within a limited area such as office, school. It enable users to share resources including data, printer, & internet access

How to set up a LAN?

Step 1: Plan & design an appropriate network requirement & equipment location

Step 2: Connect computer to network like connect one end of ethernet cable into your computer & other end to your network switch

Step 3: Assign IP address to your PCs

1) Log on to the client computer

2) click network & internet connection

3) Right click on connection / ethernet

→ go to properties → select internet protocol.

→ click on properties → select use of

properties IP address option and assign

IP address

PC1 + IP address 10.1.1.1

subnet mask

255.0.0.0

Step 4: Configure network switch

1) connect computer to switch

Steps:

Select node → go to properties → click

sharing tab → share it with everyone

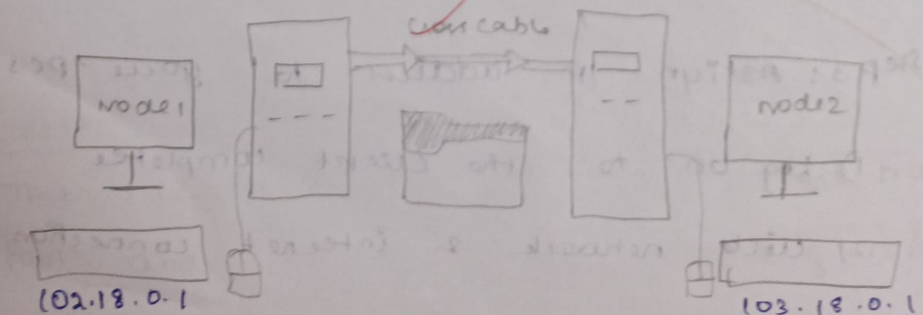
Step 6:

Try to access the shared folder

from other computer of the network

Student Observation

Diagram of LAN



IP configuration

mode 1 IPv4 Address 102.18.0.1

mode 2 IPv4 Address 103.18.0.1

outcome

The h/w sent through click Run

[1, 102.18.0.1] (use 11sec) is sent

successfully.

Result:

LAN setup in our lab is successfully
done & completed.

Q. 11
6/8/24