

6/8/24

Practical 4

Aim

Set up and Configure a Lan using switch & Ethernet Cable in your Lab

What is Lab?

A Local area network refers to a network that connects devices within a limited area such as office, school it enables users to share resources including data.

How to setup a Lan?

Set 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 PC

1) Log on to the client computer

2) click network & internet connection

3) Right click LAN connection / ethernet

→ go to Properties → select internet protocol

→ click on properties → select use of properties
ip address option and assign

4th event lecture

multiple events can be using single IP address

PC1-IP address: 10.1.1.1 subnet mask,
255.0.0.0

Step 4: Configure network switch
connect computer to switch

Steps:

Select folder → go to properties → click
Sharing tab → share it with everyone.

Step 6: Try to access the shared folders from
other computer of the network

Student observation

Diagram of LAN



IP configuration

Node 1 IPv4 Address 10.1.1.1

Node 2 IPv4 Address 10.1.1.2

Outcome

The file sent through Click Run: [1/10.1.1.2] / user1
Sent Successfully Rec'd

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Result

~~Lab~~ setup in our lab is successfully done
~~Completed~~