

EXNO: 04

DATE: 06.08.2024

## Setup and Configure a LAN

AIM:

→ Setup 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 enables

→ It enables users to share data resources including data, printer and internet access

How to setup a LAN?

1. Plan & Design an appropriate network requirement & equipment location

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

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 IP address

PC3 - IP address: 10.1.1.1 subnet mask 055.0.0.0

4. Configure network switch

connect computer to switch

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

6. Try to access the shared folder from other  
computer of the network

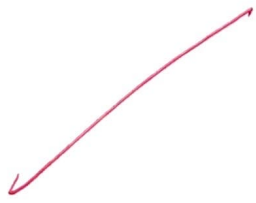
### IP configuration

Node 1 IPv4 Address 10.1.1.1

Node 2 IPv4 Address 10.1.1.2

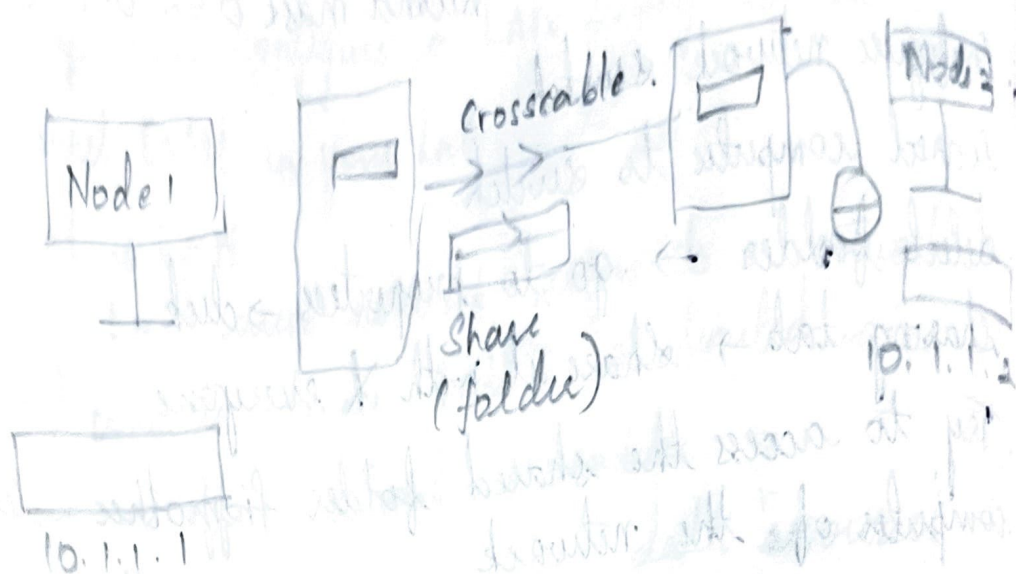
Outcome:

The file sent through click Run: [1/10.1.1.2]  
[user\IREC] is sent successfully



NA!  
bellatzi

# Diagram of LAN:



Result:

LAN setup in our lab is successfully installed and executed.

*6/8/24*