ExNo: 4 Set 48 and Configure a LAN (Loca)
area network) using a switch and
Date: 66:8:24 Ethernet cabils.

AIM:

Set up and configure a LAN (local area network) using a switch and Ethernet Cables in your lab.

What i's a LAN?

A Local Area Network (LAN) refer to a

network that connects devices within a

limited area, such as an office building

School or home. It enables users to sha

resource, including data, printers, and

internet access. LAN connect devices to

Prophote collaboration and transfer information

between users such as computers, Printers

Servers, and Switches.

How to Set up a LAN:

Step 1: Plan and Design an appet Priate network requirement and equipment location.

wien 8, 16 or 29 Ports which is sufficient for networks of thes see sizes, and 4 Ethern steps: Connect yours compaters to network swiften via an Ethernet cable which is as simple as flugging one end of the Ethernet cable mto your computer, and the other end into your network Switch.

SECP4: Assign IP address to your Pcs

1. Log on to the client computer as A

Administrator or as owner.

2. Click Network and Internet Connection

3. Right Click Local Area Network

Ethernet -> Go to Properties -> Select Internet

Protocol (TCP/IPV4) -> Click on Properties ->

Select use the following ip address oftion

and assignip address.

Steps:- Lonfigure a networkswitich.

Steph: Check ene connectivity between Switch and other machine by using Ping Command in the command Prompte of the device.

Step7: Select a folder: -> 90 100 Proper ties -> 1

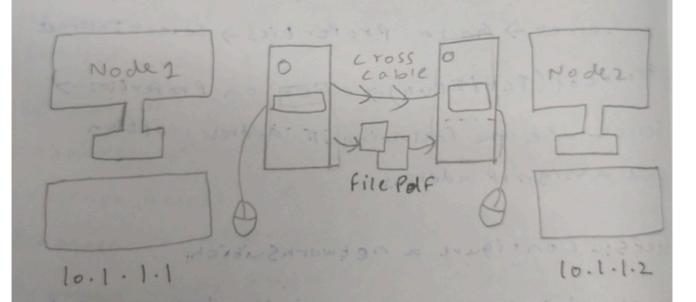
Click Sharing tab -> Share it with everyone of the same LAN.

others computers of the spectwork.

1 Student observation:

O Drow a neat diagram of the LAN in the Configuration observation book, that you has implemented in your lab. write the ip configuration of each and every device write the outcome and challenges face, while the outcome and challenges face, while configuring the LAN.

Diagram of one LAN



If configuration!

Node-1: IPV4 Address: 10.1.1.1

vodez: IPv4 Address: 10.1.1.2

rucome:

The file that sent through [click 24.1 : [1/10.1.1.2] -> | users/| RECII desktop 7 is sent successfully. Result. Set up bor L AN is successfully done and the result are verified obserced & Sendied. Experiment on tacket caphure to · Snitts messages be ing sent becen estern and display the contents of the various Protocol field in one messages. - never sends Parke BS it Self Ket Snither Struckare Diagnostic Tools - 6.3. Ecpdemp - enx hose 10,129. Mr. 2.1 + wire Search - & Excent