STEUP & CONFIGURE A LAN USING A SWITCH & ETHERNET IN YOUR LAB

Ex. No: 04

DATE: 06-08-24

AIM: Setur e configure a LAN using a Switch & Ethornet cables in your lab.

What is LAN?

Local Area Network (LAN) reform to a network that cornects device within a limited orea, such as an office building. school or home.

How to set up a LAN

Step-1: Plan e design an appropriate network topology taking into account network requirements e equipment location.

Step-2: You can take 4 Computers, a switch with 8, 16, or 24 ports which is sufficient for networks of these sizes & 4 Ethornet coldes.

Step-3: Connect your computers to retwork switch via an Ethornel colde, which is as simple as plugging one of end of the Ethernet cable into your conjuter e the other and into your network suitch.

Stop 4: Assign IP address to your PC's

- i) Jogan to the client conjuder as Administrator or as Owner
- ii) Click Network & Internet Connections.

iii) Right Click Local Asea Connection / Elhornet -> Cro. to Proportion

-> Lebet Internet Protocal (TCP/IPv4)-> Click on Proporties

-> Select the the following in address ontrou a assign ip address.

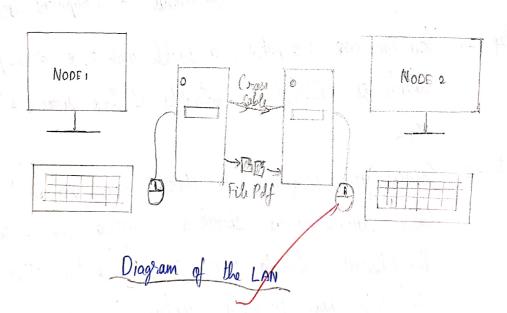
Step-5: Configure a network switch.

Step-6: Check the connectivity between switch a other machine by using ring command in the command prampt of the device.

Step-7: Select a folder, -> ga to Proporties -> click Sharing tab -> share it with everyone on the same LAN.

Step-8: Try to access the shared folder from others Computers of the network.

STUDENT OBSERVATION:



IP CONFIGURATION:

Node -1: IPux Address: 10.1.1.1

Node - 2: IP v4 Address: 10.1.1.2

OUTCOME:

The file that sent through [Click Run: [1/10.1.1.2] -3

[The fusers 11 REC 11 clesktap] is sent successfully.

RESULT:

Set up for LAN is successfully done & the result are verified abserved & studied.

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