Ex: NO: 4 LATT

Dale: 01.08.24.

Alm:

Setup and configure a LAN (Local Amen Metwork) using a switch and extranet called in your lab.

what is a LAN?

A Local Amen Motwork (LAM) refers to a hetwork that connects devices within a finited area, such as an affire building, school or home. It enables were to shave resources, including data, pointers and internet access. LAM connects devices to promote collaboration and transfer information between users, such as computers, printers, servers and switter. How to set up a LAM

Step 1: Plan and Design an appropriate Metwork hopology taking into account network requirements and equipment locations. Step 2: You can take by computers, a switch 8: 16 or 24 ports which is sufficient for networks of these sites and 4 ethernet cables.

Steps: Connect your Computors to returnske switch via an ethernet cable

Step4: Assign IP address to your PCs

I beg on to the client computer as Administrator or as owner.

a. click network and Internet Connection

3. Right click bocal Area Connection /
Etheronet -) Goo to properties -) Select

IP -) click on properties -> Select use +

Jollowing ip address option and assign

ip address.

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		I Trade date setting process

Similarly assign IP address to all PCs.

PCI-IP address: 10.1.1.1, Subnet wask 255.0.0.0

PC2 - IP address: 10.1.1.2, subnet wash 25.0.0.0

PC3 - IP address: 10.1.1.3, subnet wask 25.0.0.0

PC4 - IP address: 10.1.1.4, subnet wash 255,0,00

Steps: configure a network switch;

1. Connect your computers to the switch; To access the switch's web interpace, you will need to connect your computers to the switch using an ethernet cable.

2. Log in to the web interpace: Open a web browser and enter the IP address of the suidch

3. configure basic settings

4. Assign IP address as: 10.1.1.5 subnet wash 255.0.0.0.

check the connectivity between swith and other machine by usung ping command in the command prompt of the device

Step 7: Select a folder -> po to properties click sharing tab -> share it with everyone on the same LAN

Steps Try to access the shared polder form other computers of the network.

Remet

executed and the output is verified.