PRACTICAL - 4

AIM:
setup and Configure LAN using ethernet cables.

What is LAN?

A LAN refers to a Local area network within a limited area that connects an office building, school or him. It enables user to share data within network.

How to steup LAN:

1) Plan and design appromimate network topology and equipment location.

2) You can take 4 computers a switch and 4 network cable.

3) Connect the Computer to network. in a ethernet cable by plugging in cables.

4) Assign IOS to the PC:

(i) Logic to client as Admin.

(ii) Click Network and Connection.

(iii) Local area → Go to properties → select IP (IPV4) → select IP address option and assign IP address.

similary assign IP address to all PCs:

PC1 - IP address   10.1.1.1   Subnet : 255.0.0.0

PC2 - IP address   10.1.1.2   subnet   255.0.0

PC3 - IP address   10.1.1.3   Subnet   255.0.0.0

PC4 - IP address   10.1.1.4   subnet   255.0.0.0

5) Configure network

(i) Connect computer to switch.

(ii) Login to web interface.

(iii) Configure basic settings.

(iv) Assign IP address 10.1.1.5, subnet 255.0.0.0

6) check Connectivity between switch and machines by using ping command.

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

8) Try to share folders in the Networks.

STUDENT OBSERVATIONS

RESULT:

Thus the setup and Configuration of LAN has been executed.

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