Ex:04 16/08/24

Bractical-4

Aim:

Step and configure a LAN using a Switch and Ethernet cables in your lab.

Proceduro:

Step-1: Plan and Design an appropriate appropriate network topology taking into account network requirements and equiment location.

Stop-2: You can take 4 Computers, a Switch with 8, 16 or 24 ports which is sufficient for network of these sures and 4 Ethernot cables.

Step-3: Connect your computers to network switch via on Ethernet Cable, which is as simple as plugging one of end of she Ethernet cable into your computer and other end into your connectionsh switch

Step-4: Assign IP address to your PCs

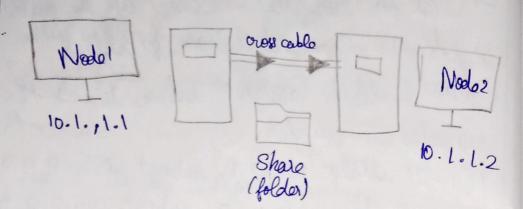
1) Log on to the client computer as Administrator

2) Click Network and Internet Connection

3) Right Click Local Area Connection / Ethernet -> Go to Properties -> Select Internet Protocoll TCP/1P, 4) -> Click on Proporties -> Solect use the following ip address option and assign ip address, Simp Similarly assign IP address to all PCs connected to switch. PCI-IP address: 10.1.1.1, subject 255.0.00 PC2-IP adderly 10.1.1.2, subnet 255.0.0.0 PC3-IP address 10.1.1.3, subject 255.0.0.0 Step-5: Configure a retwork switch 1) Connect your computer to the switchester O 2) Log in to the web interface 3) Configure basic setting: (4) Assign IP address as: 10.1.1.5, subject mask 255.0.00 Step-6: check the connectivity between switch and other machine by using ping command in the command prompt of the device. Stelect : Select a folder > go to properties Sharing tob > share it with everyone in the same Step-8: Try to access the shared folds from other computes of the network.

Student observation

Diagram of LAN



IP Configuration

Nodo! IPvu Address 10.1.1.1

Nodez IPV4 Address 10.1.1.2

Outcome

The file sent thoough

click Run: [1/10.1.1.2]/Wer//REC] is sent successfully

Result:

LAN setup in our lab is successfully done and completed.