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Experiment 4: Set and configure a LAN (Local Area Network) using a switch and FHRS. net cabres in your lab.

Aîm:

a switch and Ethernet cable.

Steps:

Step: Plan and design an appropriate network topology taking into account network requirements and equipment location.

Step 2: You can take 4 computers, a suntch with 8, 16 & 24 poils which is sufficient for network of those sizes and 4 Ethernet cables.

Step3: connect your computers to network via an Ethernet cable, which is as simple as plugging one end of the Ethernet cable into your computer and the other end into your network suitch.

Step4: Assign IP address to your pcs

- 1: Long on to the client computer as Administrator or as owner.
 - 2 click Network and Internet connections.
- 3. Right click Local Area Connection / Ethornet ->
 GO to Proporties -> solect Internet Protocol
 (TCP/1P4)-> click on Proporties -> select use the
 following ip address option and assign
 ip address.

Step 5: Configure a network switch:

1. Connect your computer to the switch: To access the switch's web interface.

Transfer

you will need to connect your computer the suitch using an Ethosnet cable. 2 tog in to the web interface: Open a web 690ws09 and enter on it adds088 of the switch in the address box. This should bling up the login page for the suntchis web interface. Enter the username and password to log in. 3. Configure basic settings: Once you're logged: you will be able to configure base configure for the switch! 4. Assign IP address as: 10:1.1.5, submet moss steps you can take 4 computers 0.0.0.25 Ch with steps check a connectivity between suntch and ottos machine by using ping command in the command prompt of the device. Step 7: select a folder, -> go to proportion, -> click shaling tab -> shall at with everyone on the same LAN. Step 8: Thy to access the shared golden from ottiss computer of the network. student observation: 2000 be 11 100000 149013 Draw a neat diagram of the LAN in the configuration observation book, that you have implemented in your lab. White the ip configuration of each and every device while the outcome and challenges faced while configuring the LAN.

relieved in addition and assign

क्षेतिक व्यक्तिकार्य व गण्यानिक विक्रिया

Diagram

Noder

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IP config Node -

Nøde-2

Actual

1. open

en .

2. Ope

3. AR

GO

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4. P

2

5.1

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8

cable computed to cable web served the surtchis e and

wise logged a base c settings

submet mask

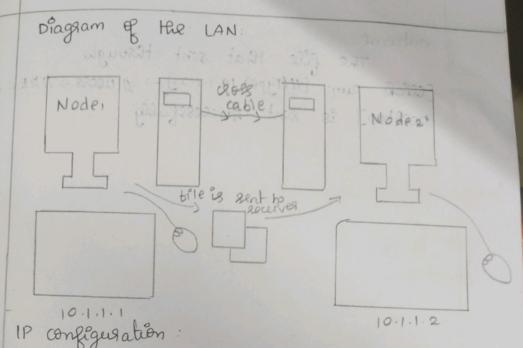
switch and command the device.

oskos,-) He everyone

Ades from

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LAN in the in have configuration outcome ing the LAN.



Node -1: 1PV4 Addsess: 10.1.1.1

Node-2: 1PV4 Address: 10.1.1.2

Actual Steps

- in open and, inconfig: see the 1PV4 Address in the Ethernet Adapter Ethernet.
- 2. Open Run, open: 11 [1PV4 address of a Receiver Pc]. Eg: open: 11 10.1.1.1
- 3. After opening go to the usess, select REC GO to Desktop Documents | Downloads (Whereever you want).
- 4 Paste the file there to share in the secures Pc.
- 5. Then check the receives PC on the sepective directory that can previously selected and verify that the fill have sent.

8/08/2024 The file that sent through outcome Experi [click Run: [11trype) 10.1.1.2] -> 11 USRS -> 11 REC11 Aim: Desktop] is sent successfully Wise Pack by ... Vasio 11101 : 1898 1 Addsess: 10111 · AddSSS: 10-1-1-2 open and, inamply: see the 1944 Address En the Ethingrich Adaptes Ethiorinch Open Run, open: 11 [1844 addRoss of Receives PC]. Eg. open: 11 10-1-1-1 After opening go to the usous sourch per go to toplep pocuments pourseads (Wasserve you want). Result: 22002 of 20014 ong 234 04209 Sugarsfully configured and the data "is sent and verified therepoed, the file transfer are observed to shidled.