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STD: SEC ROLL NO. 22070112				
S.No.	Date	Title	Page No.	Teacher's Sign/ Remarks
1	16/7/24	study of various retwork command		8
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3	30/1/24	Study of Network (ables. Etpersments of CISCO POCKET TRACER CASIMULATION HOOK). Setup and Configure a LAN CLOCAL Acua metimont) Manage a suritch and Ethernet Catter in your lab.		Ca
4	06/8/24	Setup and configure a LAN CLOCAL ACUA Metto Mett		0
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AIM!

Setup and configuou a LAN CLocal Acrea Netropy

using a switch and Ethernet cables

En your tale.

What is LAN?

A Local Aeva Network (LAN) suffers to a network
that connect devices within a himited Aeva,
that connect office building, school our
duch as an office building, school our
home. It enables users to shave susoverces,
including data, pointers and internet accuses
including data, pointers and internet accuses

How to set upaLAN:

step1: Plan and disign an approprietate network elequirement topology taking into account network elequirement and equipment locations.

Step 2: you can take 4 computers, a swortch with 8,16, 0424 poets which is sufficient for networks of these series, and a 4 Ethernet cables.

Step 3: Connect your computers Ao network surtich is as swertch win an Ethernet cable, which is as simple ous plugging one end of the Ethernet simple into your computer and the other end into your returned swirtch.

step 4: Assign IP Address Ao your PCs.

- ou as owner
- + 2. click network and Internet connections.

3. Right click LAN (Ethounet -9 Wo to a peroperties > select Internet perotocol (1PV4 1TC1)> click on perspective I delect use the following IP address option and assign IP address. -) Similarly assign , padbus to all the PCS Connected to Burtch. PCI-IP address: 10.1.1.1, Subset mask 255.0.0.0.0 PCZ-IP address: 10.1.1.2, Bulenet mask 255.0.0.0 dty 5: Lonfigure a network suitch; - 1. connect your computer to the duritch. To access the escenter's male interface, you world need to connect your computer to switch using → 2. Log En +0 Noel Interface: open a web lorowder an Etherinet Caloli. and enter the IP address of the sweeth in the the address bar. This should being up the login page for the suritch's new intreface. Enter → 3. Configuere basic settings; once you're logged in, you will able to configure lease 4. Adsign IP address as: 10.1.1.5, subnet Dettings for the Surth. step 6: check the connectivity between switch and other machine by using ping command in the command percent of the durice Step To select a folder -> eyo to peropertus -> click Shawing tab & share it night everyone on step 8: Teny AD recess the should folder ferom other computers of the network.

Student obscuration: Delawa neat diagram of the LAN in configuration of Observation look. that you have emplemented in your lab, waste the tip &p configuration of each and every device. wente the outcome and challenges faced while configuring the LAN. OCI-IP address: 10.1-1.1, Subset west 255.0.0.0 PC2-IP addraws: 101.1.2, subout mask 295.000 CHOSS WERE ET consele for conjulies to great PC1
1PAdoleuss: 172.016-1.84 PCI es the 19 address of the suster is ingel at you possed bloods and need pezo with 1014 Ferran and the state of th 3. antiquer basic settings: once expaire

Result:
Thus step and configure a LAN Chocal Area
Network) using a snortch and Ethernet Lable is
Connected.

4. Mesan is orthus messon is account

Asple which the consectioning heberen switch and