AIM! Setup and configure a LAN Cloud were network) using a Swibch and Whereat cables in your lab.

what is a LAN?

A local area network (LAN) refus to a network Met connects devices within a limited arm, such as an office building, school, or home. It enables uses be glace resources, welleding data, printers and internet access. A local area network (LAN) switch serves as the primary connecting device, marroging and directing Communications within the local network.

How to set up a LAN?

- Step): Plan and design an appropriate network bopology taking into account network requirements and equipment location.
 - Step 2: You can take 4 Computers, a Switch with 8, 16 or 24 poets which is sufficient for networks of these sizes, and 4 Ethernet cables.
- step 3: Connet your computes to network switch via an Ethernet cable, which is as simple as plugging one end of the souss E therent cable into your computer and the other and with your network switch.

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strep 4: Assign 18 address to your PCs

- 1. Log on to the client computer as Administrator or as owner.
- Z. Click network and intornet connections.
- 3. Rigert click local area connection etherest . go to properties -> x lest int cruet protocol (rep) (Pu) -> click on proporties -> sout use the pollowing IP address option and assign ip address.

Steps: Configure a network suitch:

- 1. Connect your computer be the switch; To access the switch 's neb interface, you will need to convect your conjute the the Switch using pring an Ethernet Cable.
- 2. Log in to the web interfore: open a web berowse and enter the IP addless of the switch in the address but. This should bring up the login page for the mitch's web juterface. Onter the aserinane and pursual to log in.

- 3. Configure basic settings: One " you 're logged in, you will be able to configure bosic settings for the smith.
- 4. Assign IP address as : 10.1, 1, 5, selbends mark 255. 0.0.0.
- Step 6: check the connectivity between switch and other machine by using pring command in the command prompe of the device.
- Step 7: Sdeet a folder -s go be properties -s click Sharing buts - strace it with everyone on the same LAN.
- Strep 8: Toy be access the should folder from other computers on the network.

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