DATE: 04.09.20

LOCAL AREA NETWORK

Setup e configuee a local Arrea Network using a switch & ethernet cables in your what.

WHAT IS LAN:

A local area Network refers to a metwork that connects device within a limited area, such as on Hice building, school or home. It enables refers to share resonues, including data, positers & internet access. LAN connects devices to promote collaboration à dansfer information between users such as printers, servers a switches at local area network (LAN) switch server as the primary connecting alerice on a LAN switch can communication writting the local network. Each connected device on a LAN switch can connunicate directly with each orther, allowing for fast and seuse data transfer.

How to setup a LAN?

step-1: Plan and derign an appropriate network topology taking into aurunt sutwork sequirement 2 équipment location.

step-a: You can take of computers, a switch with 8, 16 or 24 ports which is sufficient for networks of these a 4 etheret cables

stap 3: tonneal your computers to unbook must be that all attracted galde of which is vertigle as pengging one and of the atternat cable who your computer a the other and into your network step-4: Assign IP address to your PCC. 1) log on to the occurt computer as administrator or as owner.

2) click network a internet connections. 3) Right did local area connection ! ethernet -> so go to properties -> solvet IP(T(P(IA -> click on properties-select use the following 1P addresses option 2 aveign Ip address. 8tep-5: Configure a notwork nortch 1) Connect your computer to the switch to access the switches we interface , you will need to connect your computer to the scotch using an ethernet cable. 2) Long Ente the ul interface: open a und wal browsor & entre the IP address of the switch in the address bar. This should being up the dogin page for the switches worl Enterface. Enter username & password to login. 3) Configure basic settings: once you're logged In you will de able to configure basic settings 4) Arrigu IP address As; 10.1.1.5, subuet mark The the satup a configur 255.0.0.0 eledied & observed.

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