CN LAB

Experiment - 1

Creating topology & simulating sending simple PDU from source to destination using hub & switch converters

1. A n/w was connected between PC, and a hub.
   A simple PDU is used to simulate in the n/w.
   A msg is transferred from PC1 to hub in layer 1.
   Later from hub to PC 2. In layer 3 we De-encapsulate, & transfer the message & is finally encapsulated.
2. The message is transffered from PC 1 to Hub to PC 2. Now from PC 2 it goes to hub.
3. Message is finally transferred from hub to PC-1 & is decapsulated.
4. Now 2 PC's with switch as a converter and IP's are configured for PC's.
5. Add PDU for simulation
   msg is transffered b/w PC-1 & hub
   msg from hub is sent to PC-2 & switch.
   The msg is rejected at switch.
   Msg from PC-1 to hub is sent.

msg is sent from hub to PC-1 to switch and message is rejected at switch.

Instructions before Executions.

End device - which acts like source & destination

PC is connected via hub to another PC.

Configure IP address for device

click on device → config → static gateway → gateway add 10.0.0.1

Give same gateway address to configure.

Select device → fast ethernet 0 → static config → IP address → Auto subnet mask will be displayed.

Should assign diff IP to diff device.

At any point each IP should have a unique IP in a n/w.