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B3

CN (Lab 1)

Expt: Creating a topology and simulating sending Simple PDU from Source to destination using Switch and hub. & Connecting device.

Step1) A network was connected with PC and a hub in network. A Simple Protocol Data Unit was simulated in the network now going through the simulation in detail.

- A message was transffered from PC(0) to hub in layer 1.

- Now from hub to PC(2), In Layer 3 we De-encapsulate and transfer the message and is finally encapsulated.

Step2) Till now the message has gone from PC-0 to Hub. to PC-1. Now from PC-1 it goes to Hub. ie a message is transferred.

Step3) The message is finally transferred from hub to PC-1 and is decapsulated.

(Step4) 2 PC's (PC 2)&(PC3) and Switch is added to the network and the IP's and Gateway is Configured for PC

(Step5) Again a Simple PDU was simulated, - msg transferred from PC-1 & hub, and then msg from hub sent to PC-1 and is repeated by the switch from hub.

- Msg is sent from hub to PC-0 to Switch and msg is rejected by Switch.