

Experiment 1

(1) Creating a topology and stimulating sending simple PDU from source to dest using hub and switch.

Step 1 :- A network was connected with PC and a hub in the network.

A simple PDU was stimulated in the network now going through stimulation in detail.

- * A message was transferred from PC to hub in layer 1.

- * Later from hub to PC2. In layer 3 we de-encapsulate and transfer the message and is finally encapsulated.

Step 2 :- Till now message has gone from PC-0 to hub to PC-1. Now PC-1 to hub. A message is transferred.

Step 3 :- The message is finally transferred from hub to PC-1 and is deencapsulated.

Step 4 :- 2 PC and switch is added to the network and gateway and IP are configured.

Step 5 :- Once again a simple PDU was simulated.
* Message is transferred between PC-1 and hub.

- * Msg from the hub is sent to PC-1 and switch. The msg is rejected at switch.
- * Msg from PC-1 to hub is sent.
- * Msg is sent from hub ~~to~~ ~~to~~ to PC-0 to switch and msg is rejected at switch.