

# CN LAB - 1

Creating a topology & stimulating sending simple PDU from source to destination using hub and switch as connecting devices.

Step 1: A network was connected with PC and hub. A simple PDU was stimulated in the network. The stimulation process was as follows:

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

→ Later from hub to PC2, In layer 3 we de-encapsulation & transfer the message which is finally encapsulated.

Step 2: Till now message has travelled from PC-0 → hub → PC-1. Now from PC1 it goes to the hub.

→ A message is transferred

Step 3: The message is finally transferred from hub to PC1 & is decapsulated.

Step 4: 2 PCs and a switch is added to the network & the gateway's & IPs are configured on the PCs.



Step 5 : Once again a simple PDU was stimulated.

- Message is transferred b/w PC1 & hub
- Message from the hub is sent to PC1 & switch, the message is rejected at switch
- Message from PC1 to hub is sent.
- Message is sent from hub to PC0 to switch & message is rejected at switch