

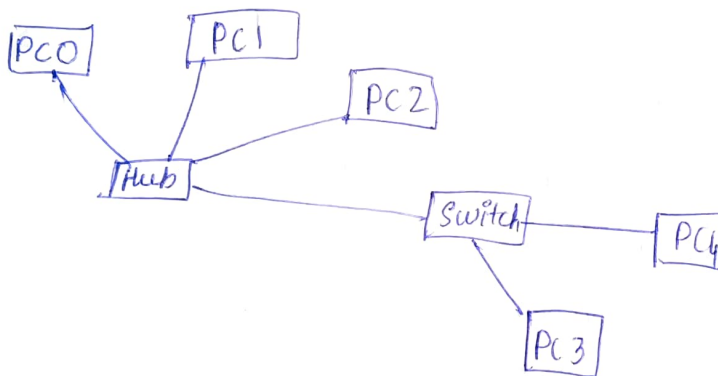
Using hub & switch

First two PCs are connected with a hub which is a layer-1 device. Later the simple ICMP message is sent. (simple PDU)

The hub is replaced with the switch which is a layer-2 device. The ICMP message is sent between the PCs.

Then the hub & switch are connected to form a new network and analysis of the data from one PC to another ~~was~~ is made.

Topology:



Outcome:

- * The movement of data (PDU) in each layer was observed.
- * The difference between the hub & switch was observed.
- * Hub is a dumb device which broadcasts the data to all the connected devices and performs in Layer-1 (physical layer)
- * Switch is an intelligent device and sends data only to the required device (end device) and it functions in Layer-2 (data-link layer).