

Date ____/____/____

Experiment - I : Creating a topology using hub & Switch

The steps to create topology I —

- 1) In first step we create a topology to build a network. A hub & two PC's that is PC0 & PC1 is connected with hub.
- 2) Next the PC0 & PC1 is configured that is gateway & IP address.
- 3) Then a simple PDU means a message or data packet is created to simulate from PC0 to hub & hub to PC1.
- 4) After successful creation of hub & PC next another connection is using Switch & PC. Two PC's, PC2 & PC3 is connected to the Switch. The PC2 & PC3 is also configured.

u) After the configuration the hub & Switch is connected via a cabled wire to make a single topology or a network.

s) Next as the data packet is simulated from PC₀ to PC₃. The data packet is transferred from PC₀ to hub next hub sends the packet to PC₁, but PC₁ rejects the data packet because PC₁ is not the destination. Then PC₁ to Switch the packet is transferred after the Switch transfers the packet to PC₃.