

15/6/23

Aim

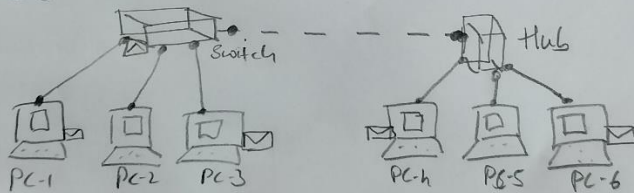
Create a topology & stimulate sending a simple PDU, from source to dest using switch & hub as connecting domain and demonstrate Ping message.

Aim

Procedure

- 1) Place a hub and connect 3 or more PC's to the hub with different IP addresses in the logical work space.
- 2) Place a switch & connect 3 PC's to it with different IP addresses in the logical work space.
- 3) Wait until unit the orange dot turns to green.
- 4) Check with the packet if they are being transferred to different PC's.
- 6) Next, connect the Hub & Switch, and Run the Program.

Topology



Output

Ping 10.0.0.6.

Reply from	10.0.0.6	: bytes = 32	time = 0ms	TTL = 128
Reply from	10.0.0.6	: bytes = 32	time = 0ms	TTL = 128
Reply from	10.0.0.6	: bytes = 32	time = 0ms	TTL = 128
Reply from	10.0.0.6	: bytes = 32	time = 0ms	TTL = 128

Ping Statistics for 10.0.0.6

Packets : Sent = 4, Received = 4, Lost = 0

Approximate round trip times in ms.

Min = 0ms, Max = 0ms, Avg = 0ms.

Switch

Port - 1	IP address	PC-1
Fast Ethernet 0	10.0.0.1/8	
Port - 2	IP address	PC-2
Fast Ethernet 0	10.0.0.2/8	
Port - 3	IP address	PC-3
Fast Ethernet 0	10.0.0.3/8	

NA
15/6/2023

Output:

