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Experiment no:1

Configuration of Network Devices using Packet Tracer (Hub, Switch, Ethernet, Broadcast)

Aim:

To establish a Local Area Network (LAN) using Cisco Packet Tracer.

Requirements:

1.

End device - They are the devices through which we can pass message from one device to another and they are interconnected.

2.

Switch/Hub - Interface Between two devices.

3.

Cable - Used to connect two devices.

Procedure:

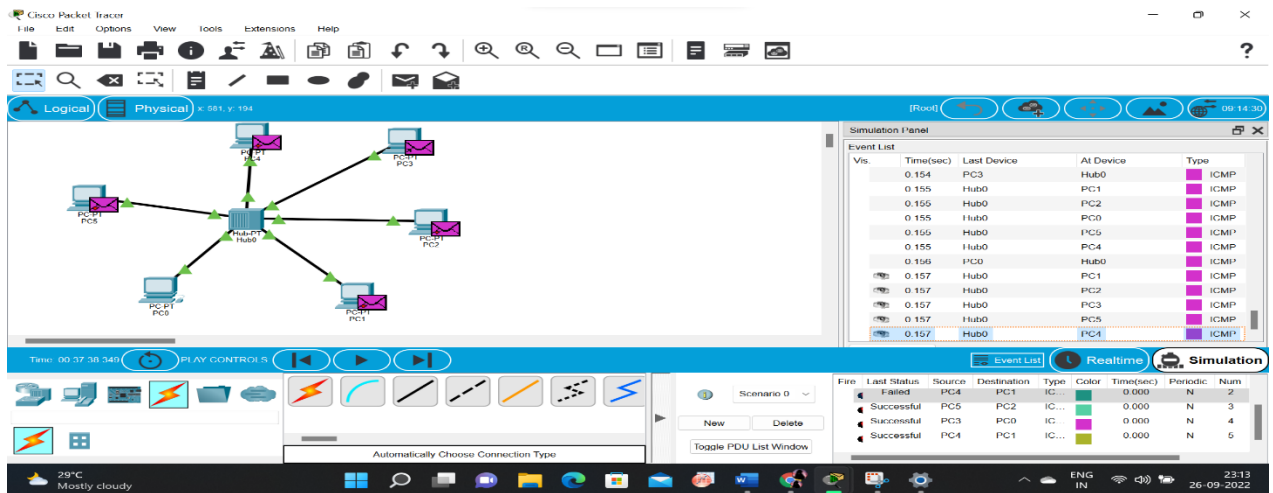
Step 1: Click on end devices, select generic Pc's drag and drop it on the window. Click on SWITCH drag and drop it on the window.

Step 2: Select the straight through cable and connect all end device to switch. Assign the IP address for all end devices. (Double click the end device → desktop → IP configuration static)

Step 3: Now set the IP address to Host A (192.168.1.1) in static mode. Similarly set IP address for Host B (192.168.1.2) and Host C (192.168.1.3)

Step 4: To view the IP address, give ipconfig command in command prompt. Using ping command, we can establish communication between two host devices.

Step 5: Now display the packet transmission in simulation mode.



## Result:

Configuration of Network Devices using Packet Tracer Hub, Switch, Ethernet, Broadcast is verified successfully.