COMPUTER NETWORKS FOR SERVER MANAGEMENT

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EXPERIMENT 2

Design and Configuration of Star Topology using Packet Tracer

Aim:

Design and configuration of Star Topology using Packet Tracer.

Tools Required:

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 Select →desktop → IP configuration static)
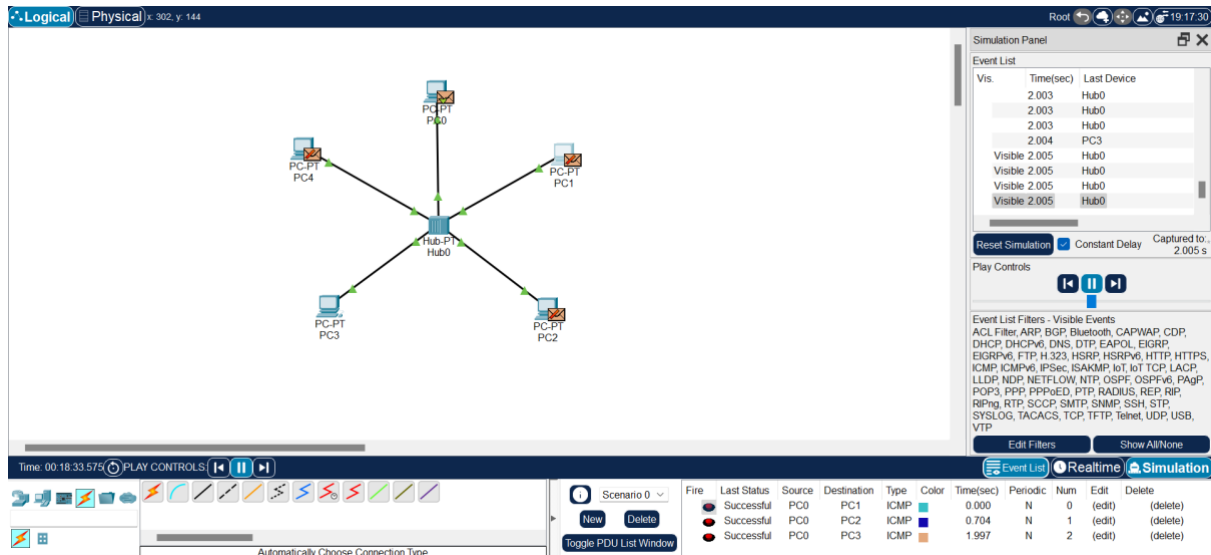
STEP 3: Now set the IP address to Host A (192.168.1.1) in static mode. Similarly set IP address for Host B (192.168.1.2) and Host C (192.168.1.3) and other Hosts.

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.

Star Topology:

Result:

   Configuration of star Topology using Packet Tracer
communication is verified successfully.