

# List of experiments in computer networks

CSA0734

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Experiment no:4

Configuration of ring topologies using packet tracer

**AIM:**

To establish of ring topologies using 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.

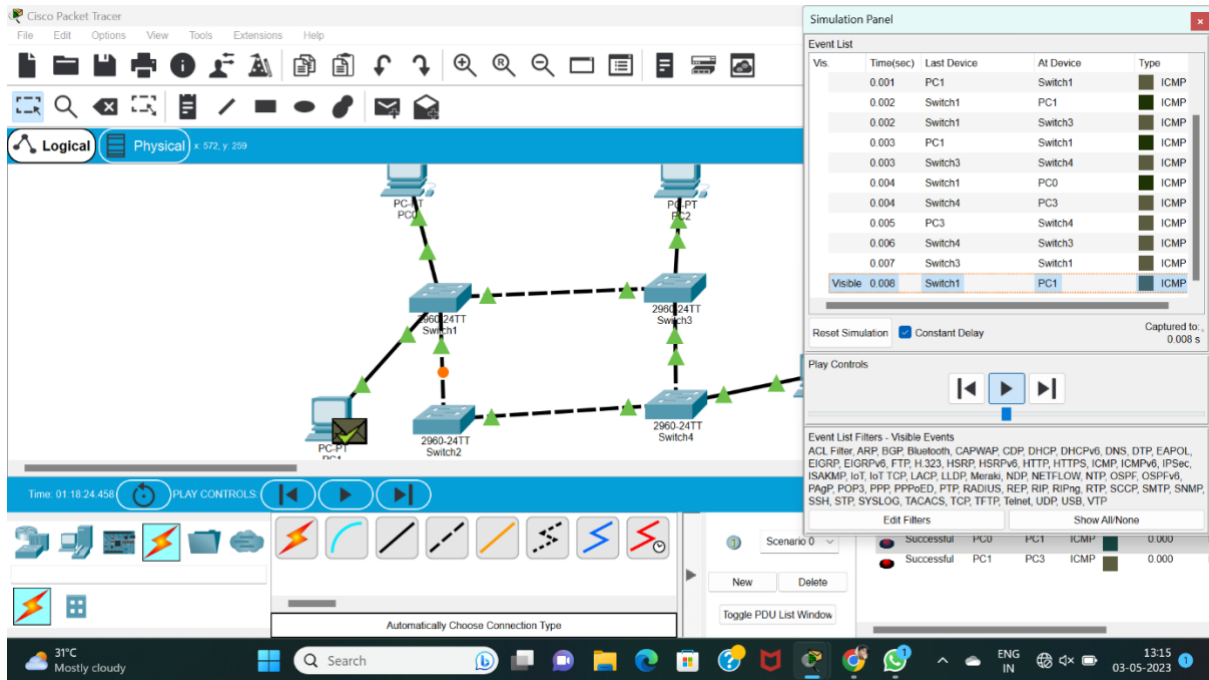
**STEP 2:** Select the straight through cable and connect all end device to switch. Assign the IP address for all end devices. (Double click the end device Select → desktop → IP configuration static)

**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)

**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.

## Ring topologies:



## Result:

Configuration of Network ring topologies using packet tracer verified successfully.