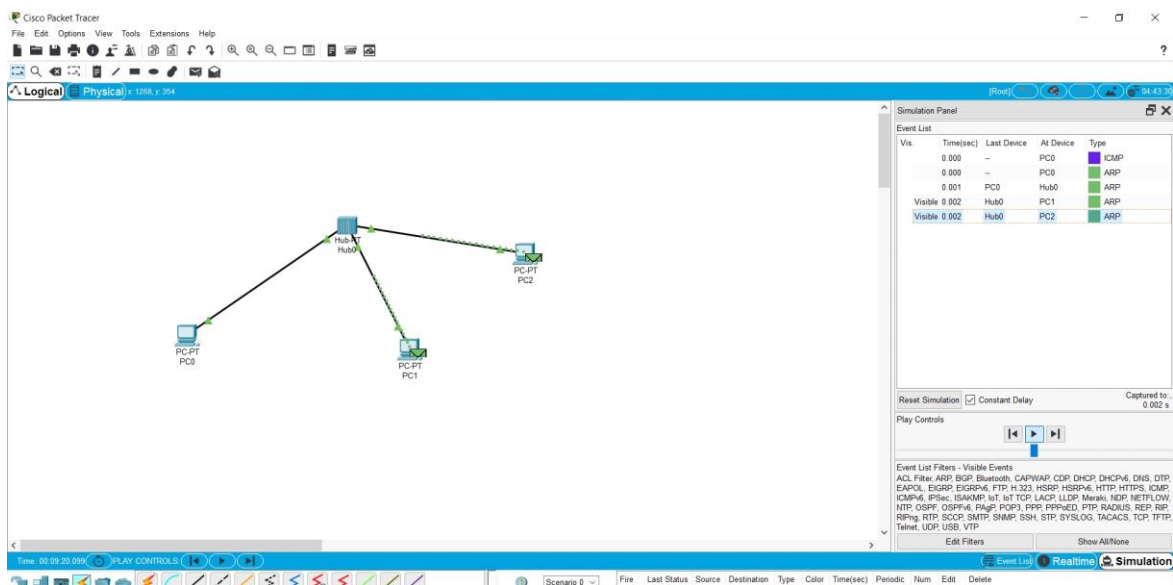


## EXPERIMENT 1: Creating a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices

**topology of hub:** Star topology

**Procedure:**

- take 3 end devices
- 1 hub
- 3 copper wires
- set ip address of 3 end devices in config, fast ethernet
- choose simple pdu with source and destination devices



**Observations:**

hub sends packet to all devices but only the destination accepts it

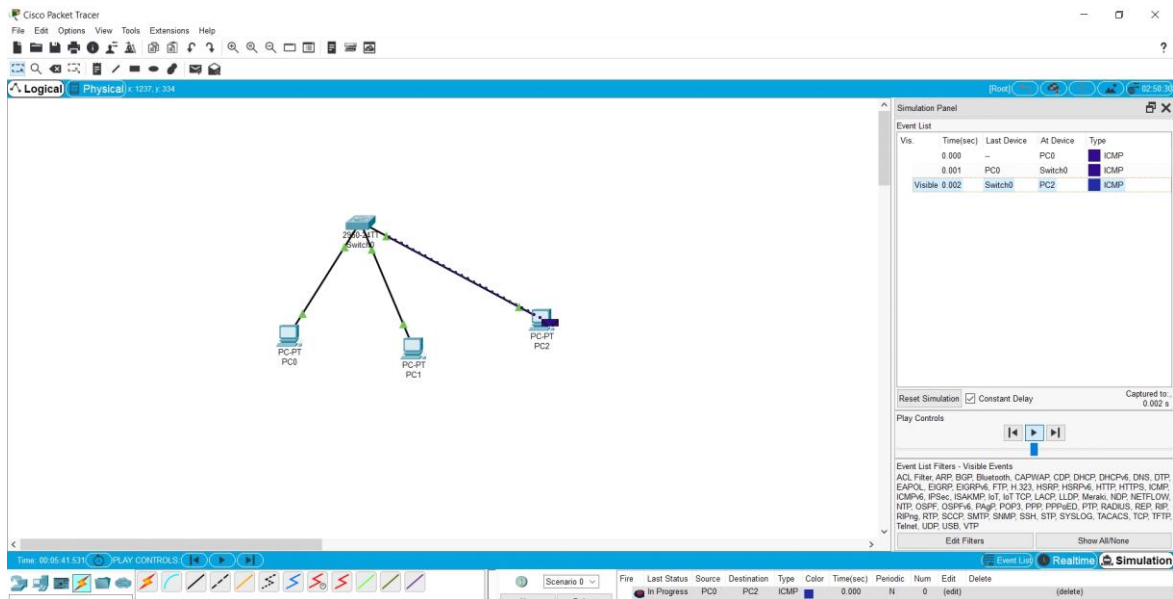
## 2. SWITCH

**topology:** star topology

**Procedure:**

- take 3 end devices

- 1 switch
- 3 copper wires
- set ip address of 3 end devices in config, fast ethernet
- choose simple pdu with source and destination devices



## Observations:

switch sends packet to only intended device and it accepts it

## SWITCH AND HUB

Cisco Packet Tracer - C:\Users\Soudarya Lakshmi\Cisco Packet Tracer 7.3.1\saves\exp1.pkt

File Edit Options View Tools Extensions Help

Logical Physical 1:1956 v.325

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
Visible	0.000		PC11	ICMP

Reset Simulation ☒ Constant Delay Captured to: 0.000 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, RARP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RSP, RSPv6, RTP, SCCP, SMTP, SNMP, SSH, SYSLOG, TACACS, TFTP, TFTPv6, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 01:30:51 1956 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
In Progress		PC11	PC15	ICMP		0.000	N	0	(edit)	(delete)