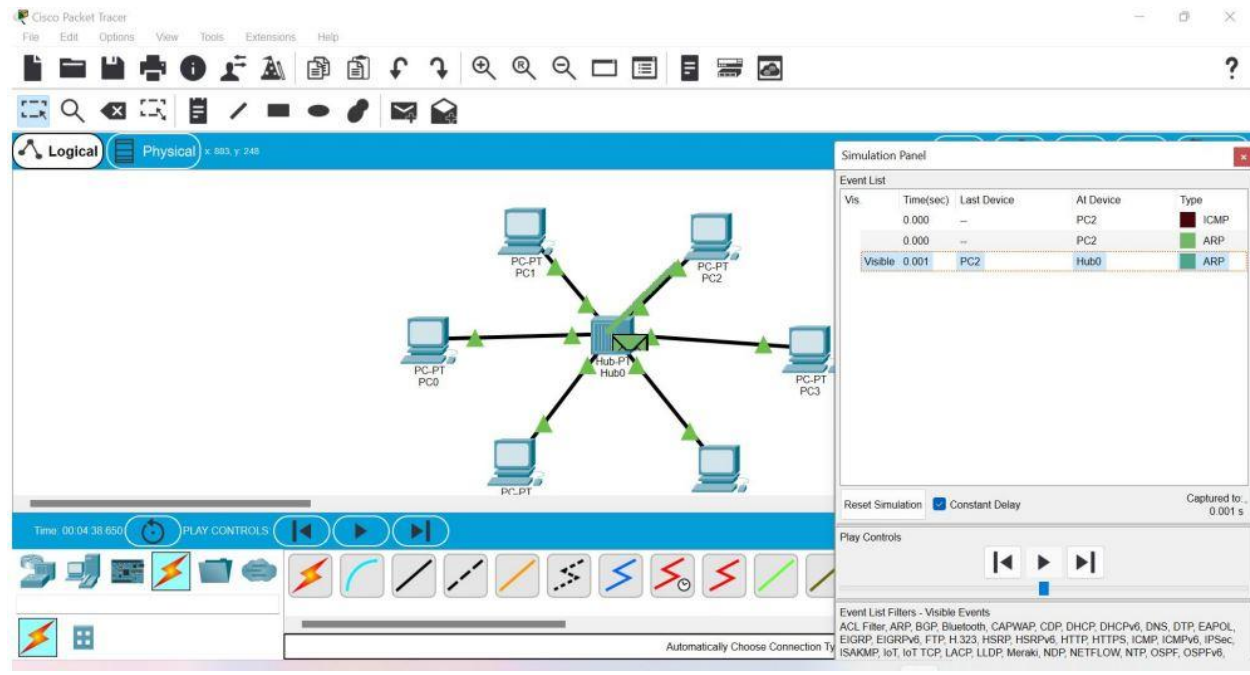


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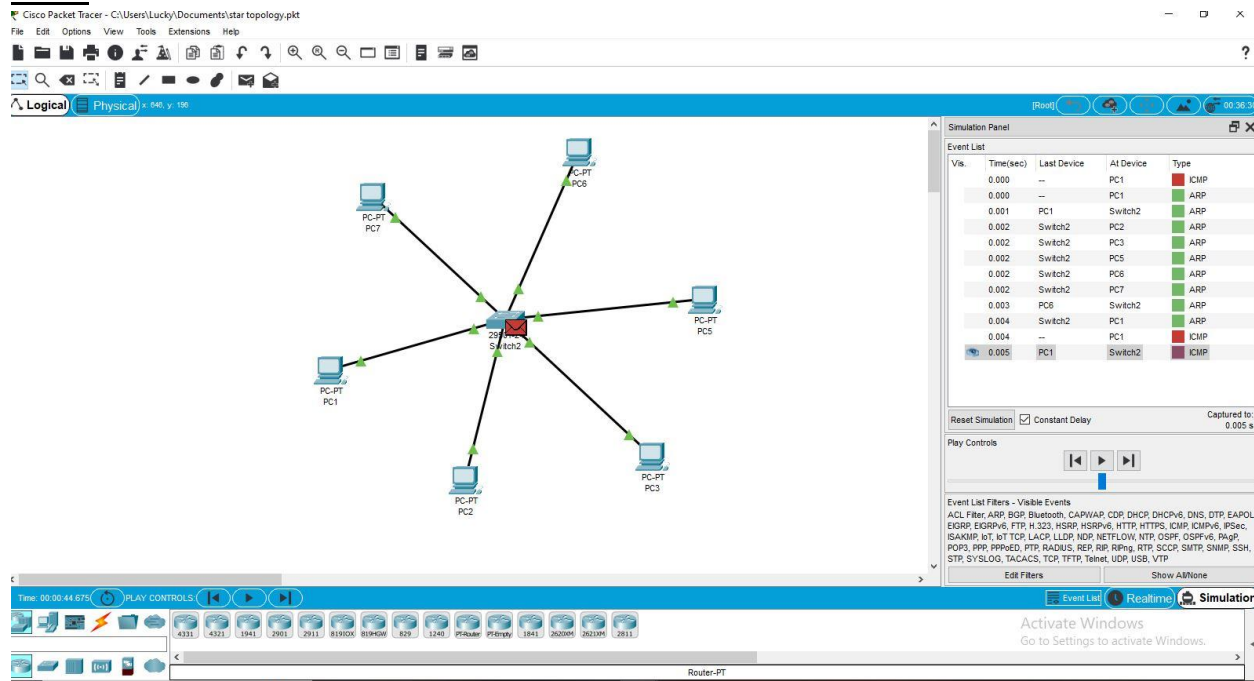
v.sandeep

## \*Configuration of network devices

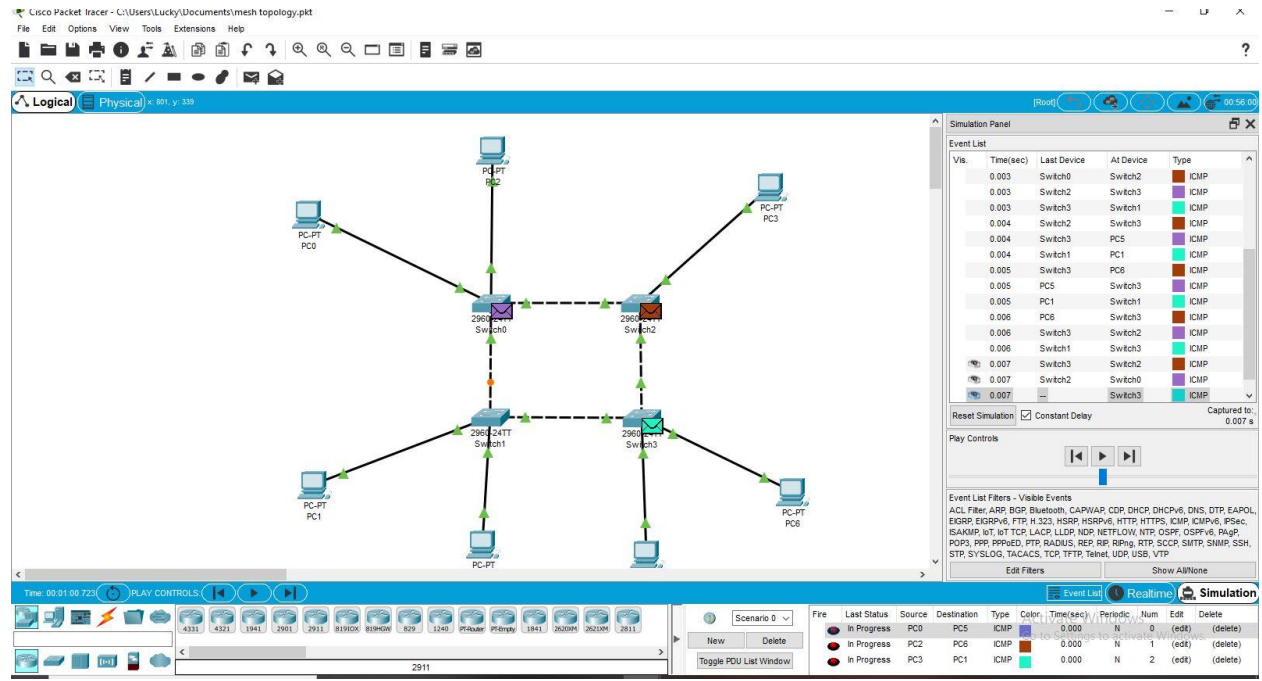


## \*Configuration of topologies-star,mesh,tree.

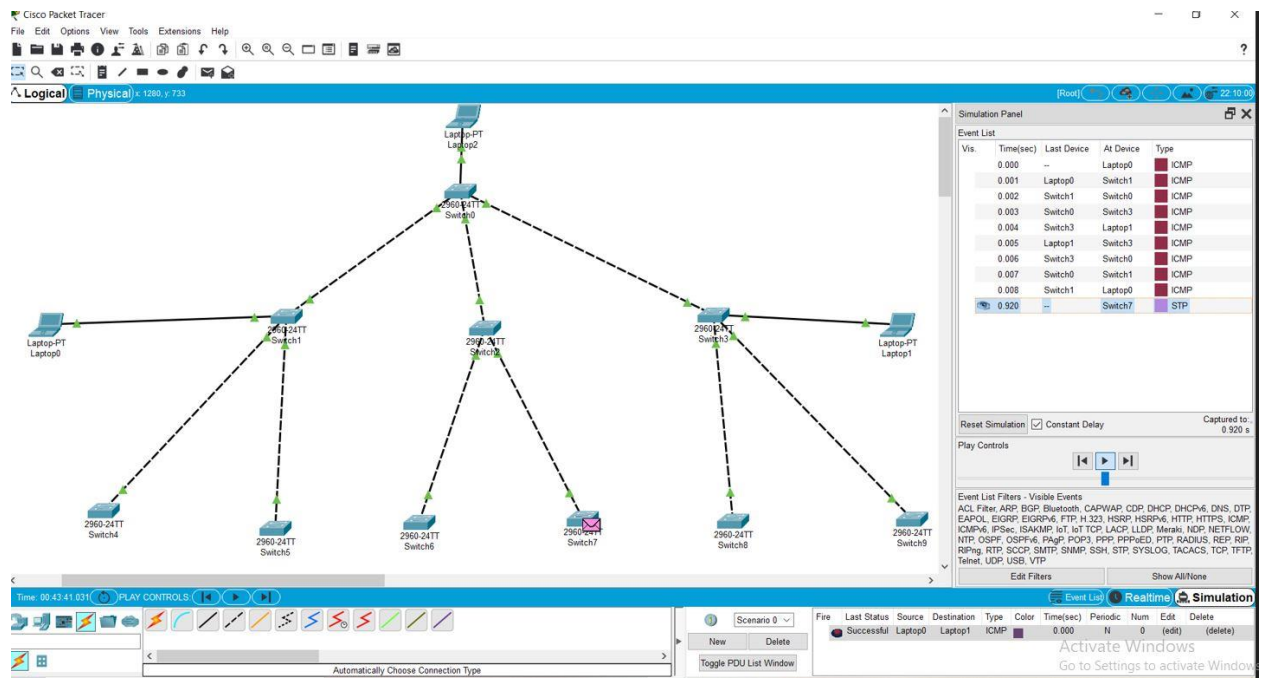
### STAR



# MESH

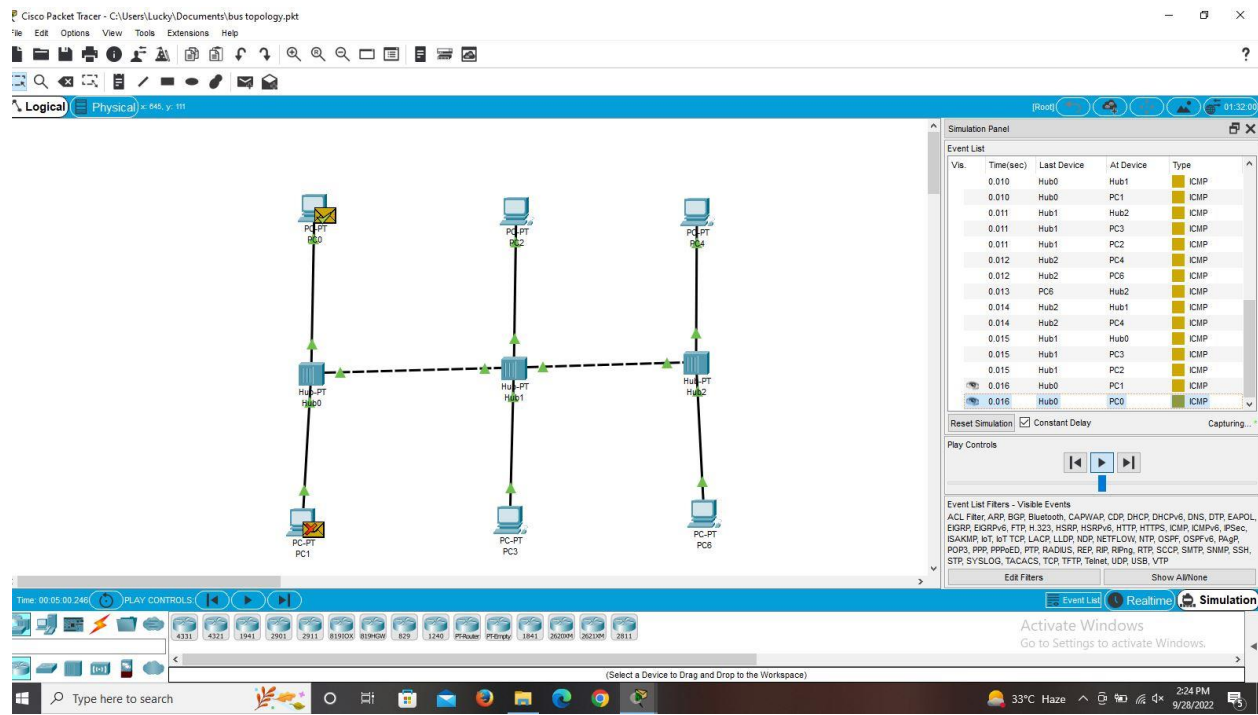


# TREE

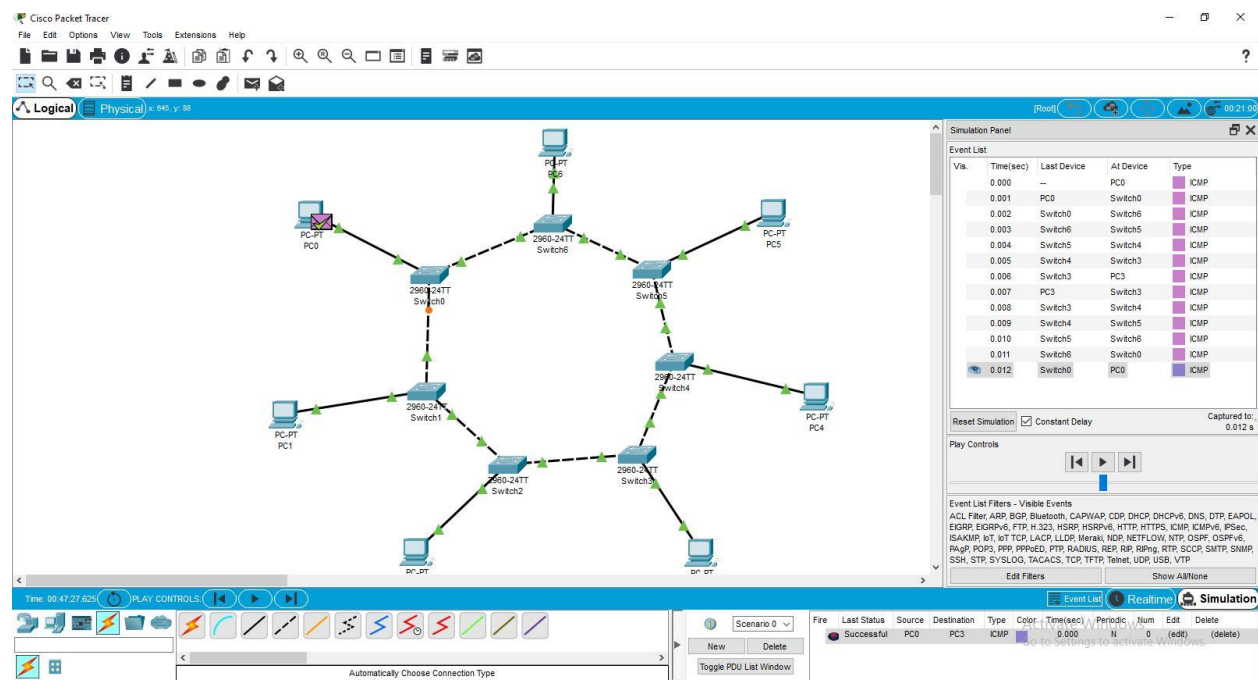


## \*Configuration of topologies –bus,ring,hybrid

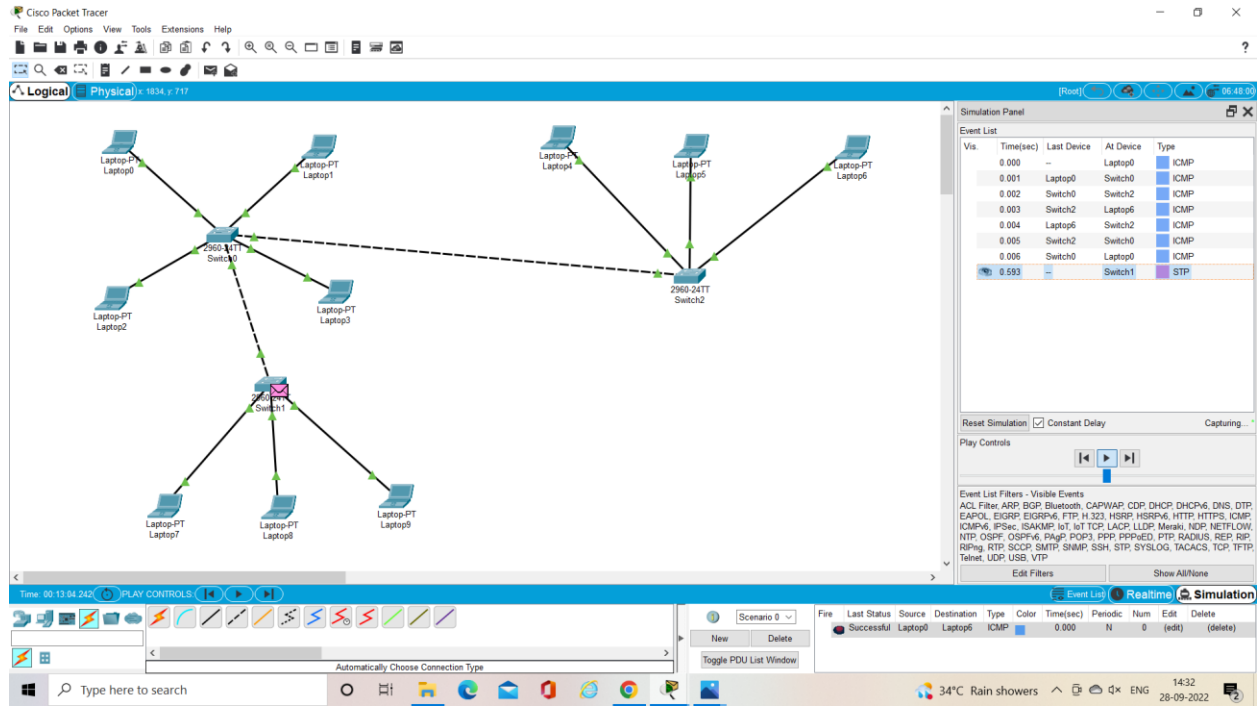
### BUS



### RING

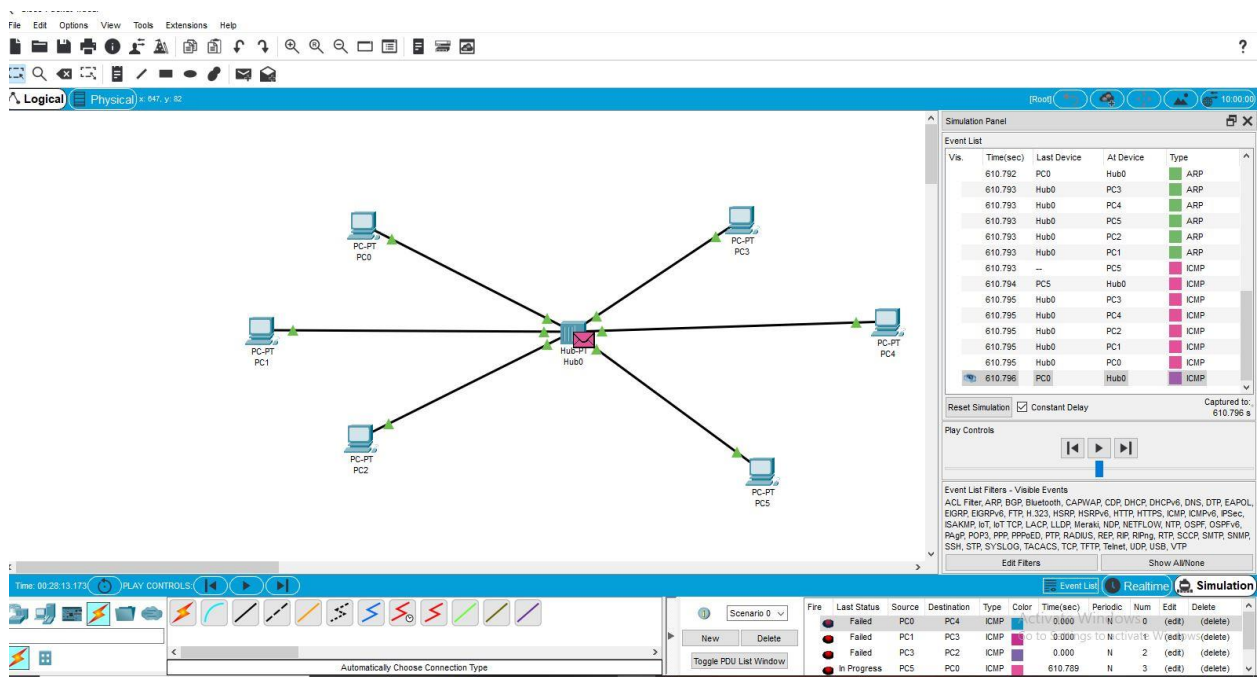


# HYBRID



## \*Data Link Layer-

## CSMA/CD



## CSMA/CA

The screenshot shows the Cisco Packet Tracer interface. The central workspace displays a network topology with a central Hub-PT (Hub0) connected to three PC-PT devices (PC0, PC1, and PC2). A Server-PT (Server0) is also connected to Hub0. The left sidebar shows the configuration for the selected device, Hub0, with the 'Out Layers' section expanded, showing Layer 1: Port(s): FastEthernet1, FastEthernet2. The right sidebar shows the 'Simulation Panel' with an 'Event List' table.

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	FC0	ICMP
	0.002	Hub0	PC0	ARP
	0.002	Hub0	Server0	ARP
	0.002	Hub0	PC1	ARP
	2.002	--	PC0	ICMP
	103.256	--	PC0	ICMP
	103.260	--	PC0	ICMP
	103.261	PC0	Hub0	ICMP
	103.262	Hub0	Server0	ICMP
	103.262	Hub0	PC1	ICMP
	103.263	PC1	Hub0	ICMP
Visible	103.264	Hub0	PC0	ICMP
Visible	103.264	Hub0	Server0	ICMP

## \*.Data Link Layer-

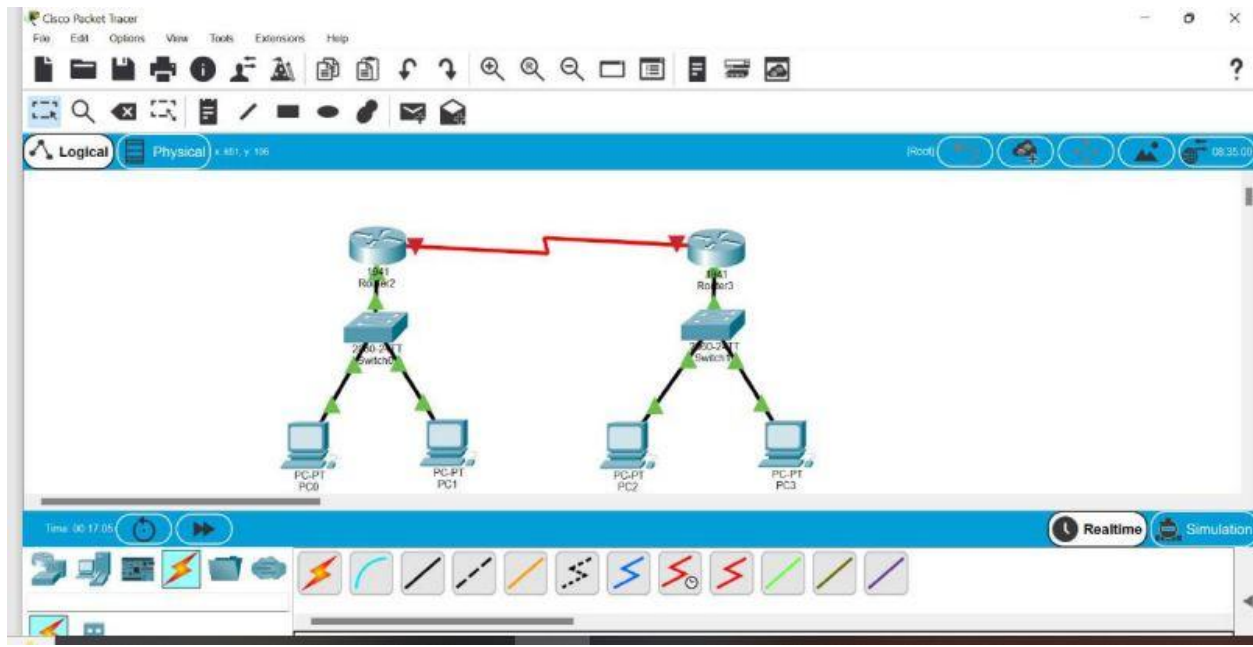
## ARP

The screenshot shows the Cisco Packet Tracer interface. The central workspace displays a network topology with a central Hub-PT (Hub0) connected to three PC-PT devices (PC0, PC1, and PC2). A Server-PT (Server0) is also connected to Hub0. The left sidebar shows the configuration for the selected device, Hub0, with the 'Out Layers' section expanded, showing Layer 1: Port(s): FastEthernet1, FastEthernet2. The right sidebar shows the 'Simulation Panel' with an 'Event List' table.

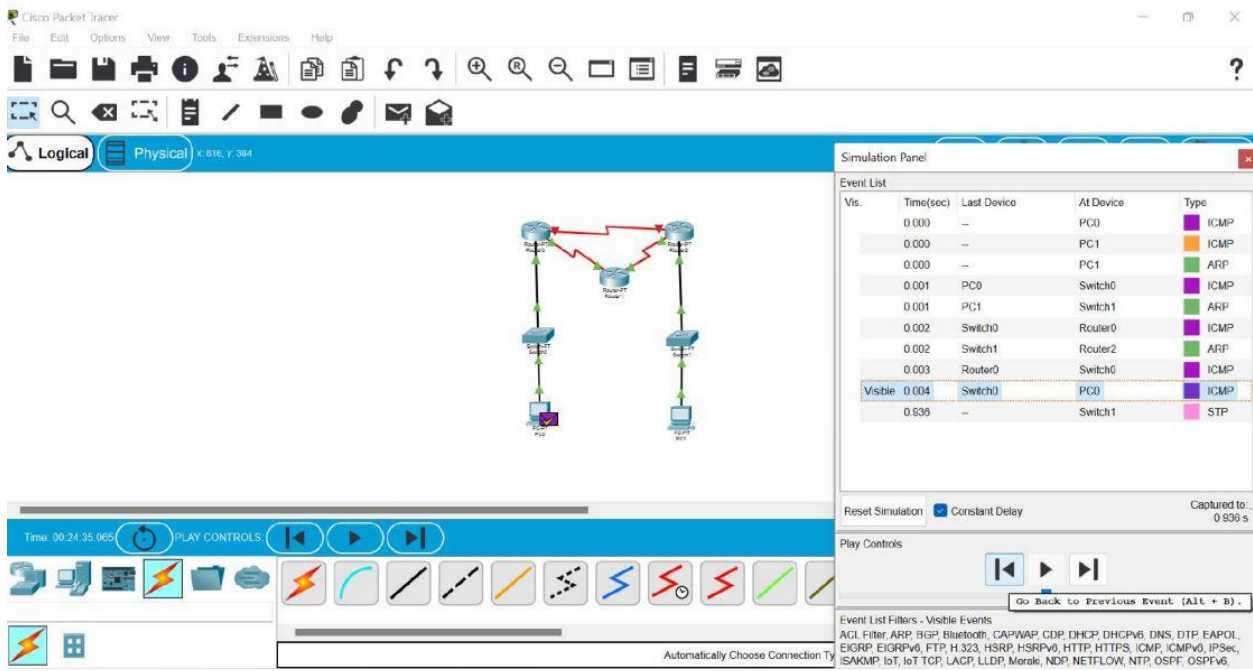
Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	PC0	ICMP
	0.000	--	PC0	ICMP
	0.001	PC0	Hub0	ICMP
	0.001	--	PC0	ICMP
	0.002	PC0	Hub0	ICMP
	0.002	Hub0	PC1	ICMP
	0.002	Hub0	Server0	ICMP
	0.003	Hub0	PC1	ICMP
	0.003	Hub0	Server0	ICMP
	0.003	PC1	Hub0	ICMP
	0.004	Server0	Hub0	ICMP
	0.004	Hub0	PC0	ICMP
	0.004	Hub0	Server0	ICMP
	0.005	Hub0	PC0	ICMP
	0.005	Hub0	PC1	ICMP



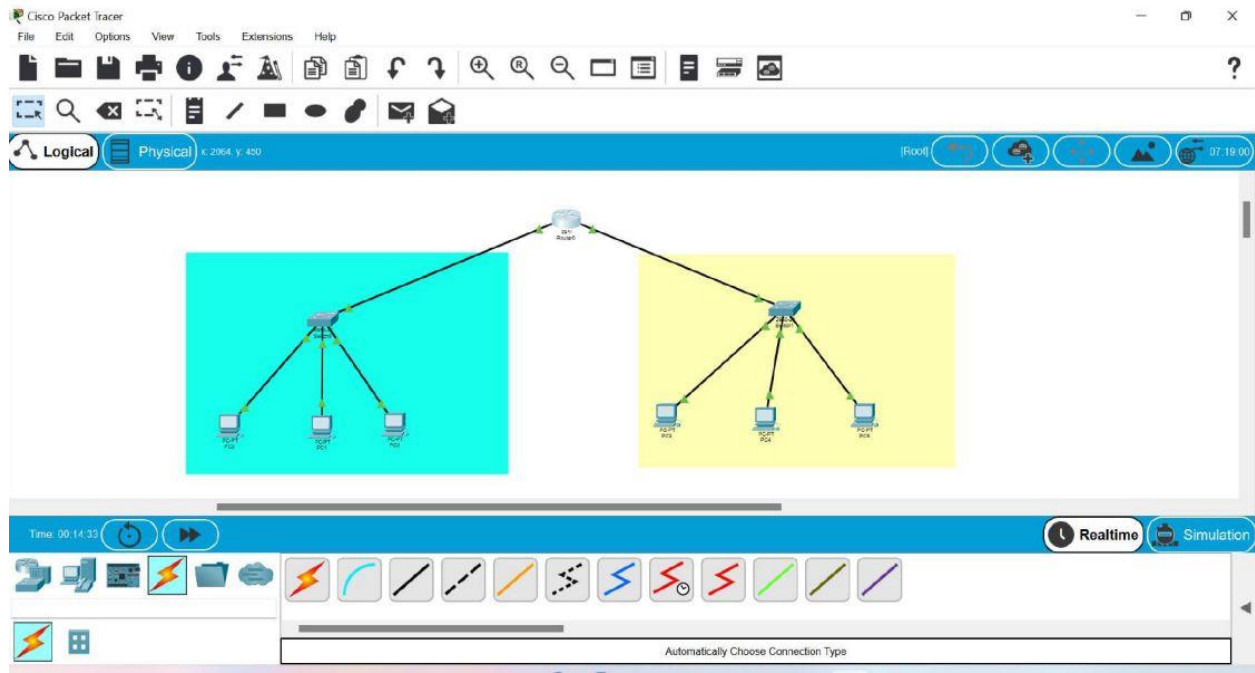
## \*STATIC ROUTER



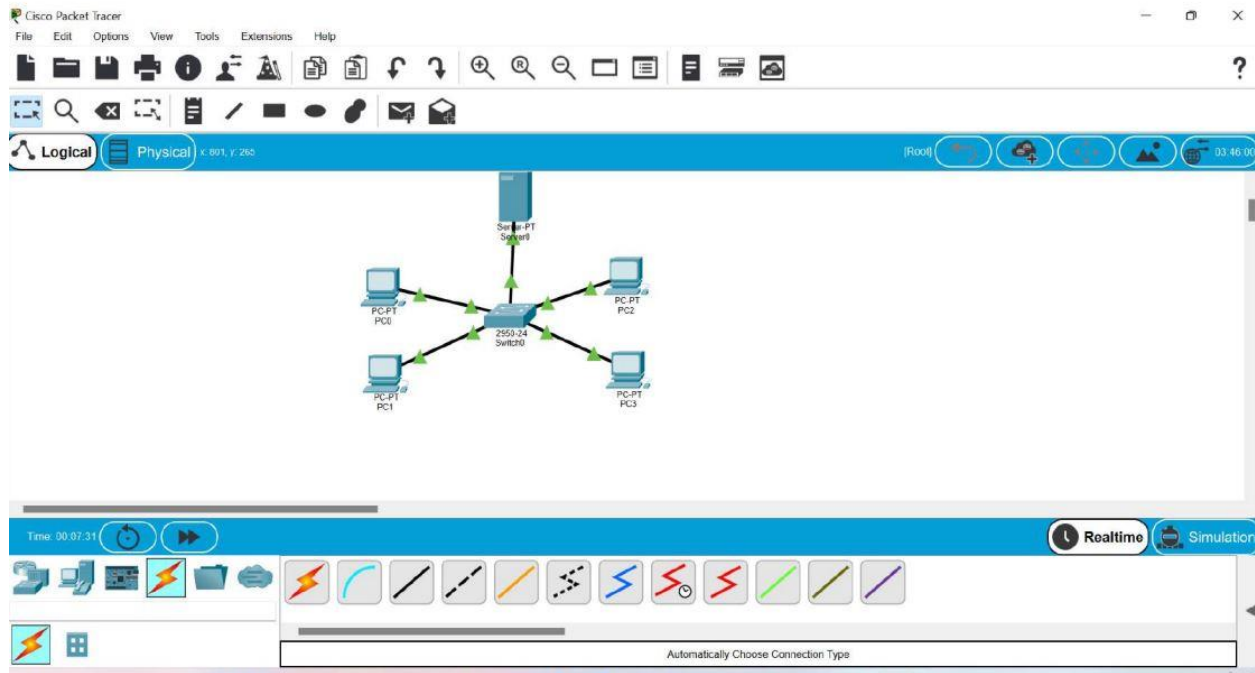
## \*DYNAMIC ROUTER



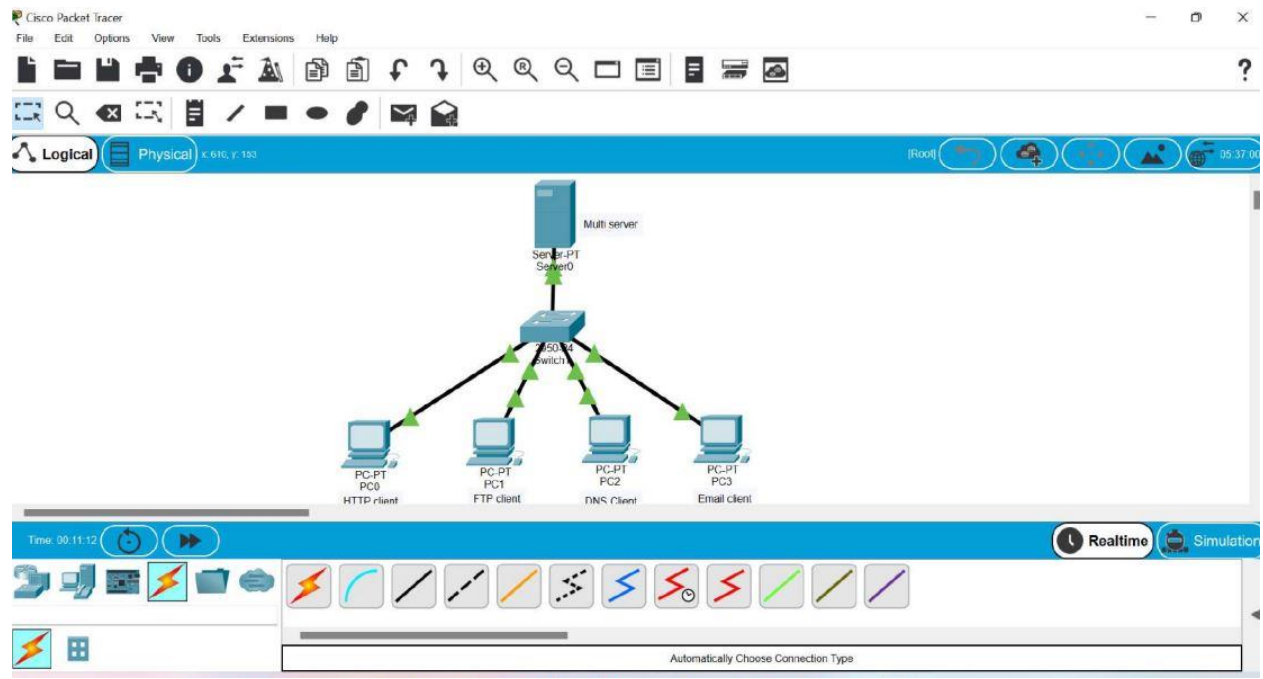
## \*SUBNETTING



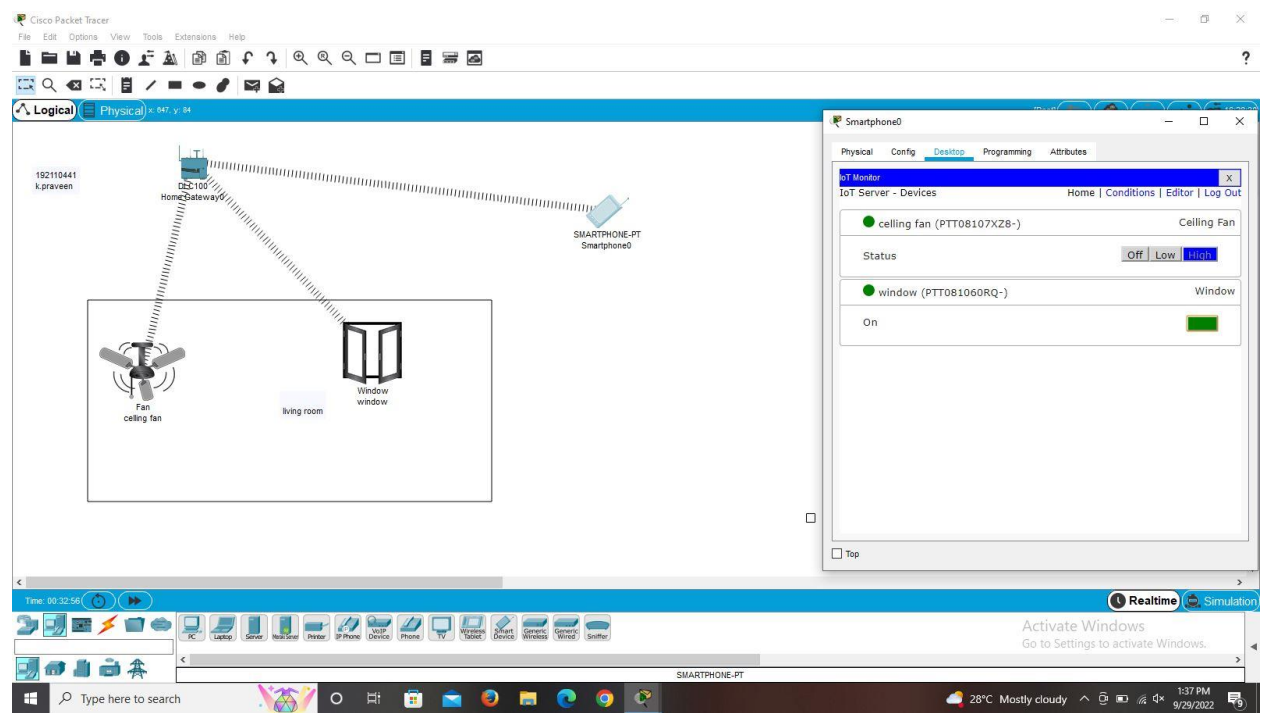
## \*Functionalities of TCP&UDP



## \*TCP UDP Exploration solution



## \*IOT based Smart Home





The screenshot displays the Cisco Packet Tracer interface. On the left, a network topology is visible with a central router connected to various IoT devices, including a light, a fan, a door, and a car. The bottom status bar shows the time as 00:26:19. On the right, the 'Tablet PC0' configuration window is open, showing the 'Physical' tab. The window lists several IoT devices and their status:

- IoT3 (PTT0810OITK-)**: Ceiling Fan. Status: Off | Low | **High**.
- IoT1 (PTT0810JH39-)**: Light. Status: Off | Dim | **On**.
- IoT5 (PTT0810OGT8-)**: Door. Status: Open | Lock | **Unlock** | **Lock**.
- IoT0 (PTT081074N8-)**: AC. Status: **On**.

## \*Computer Lab

