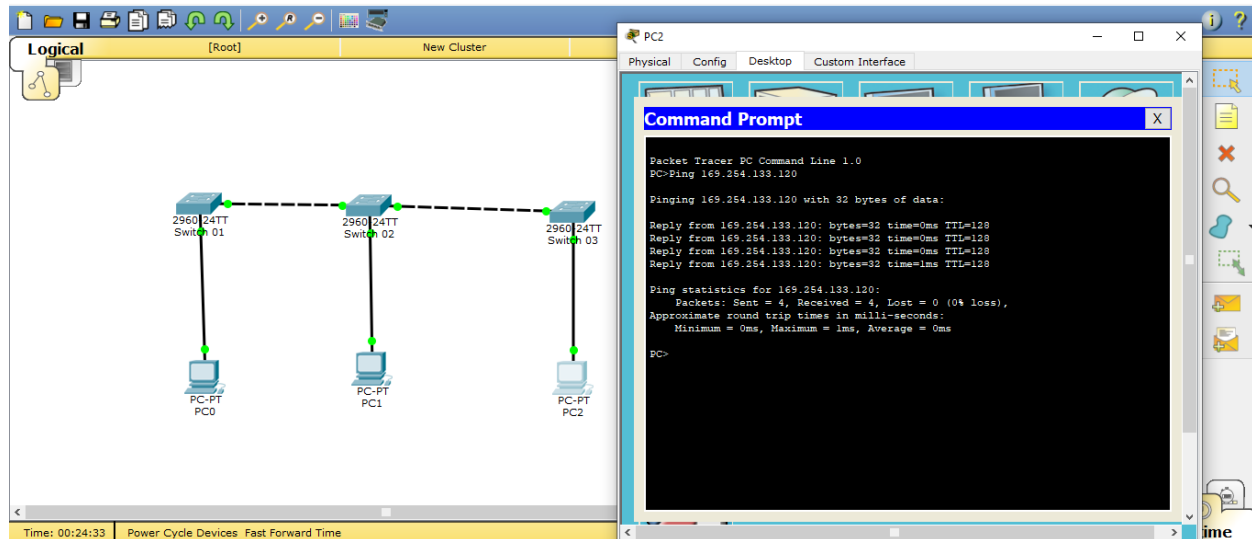
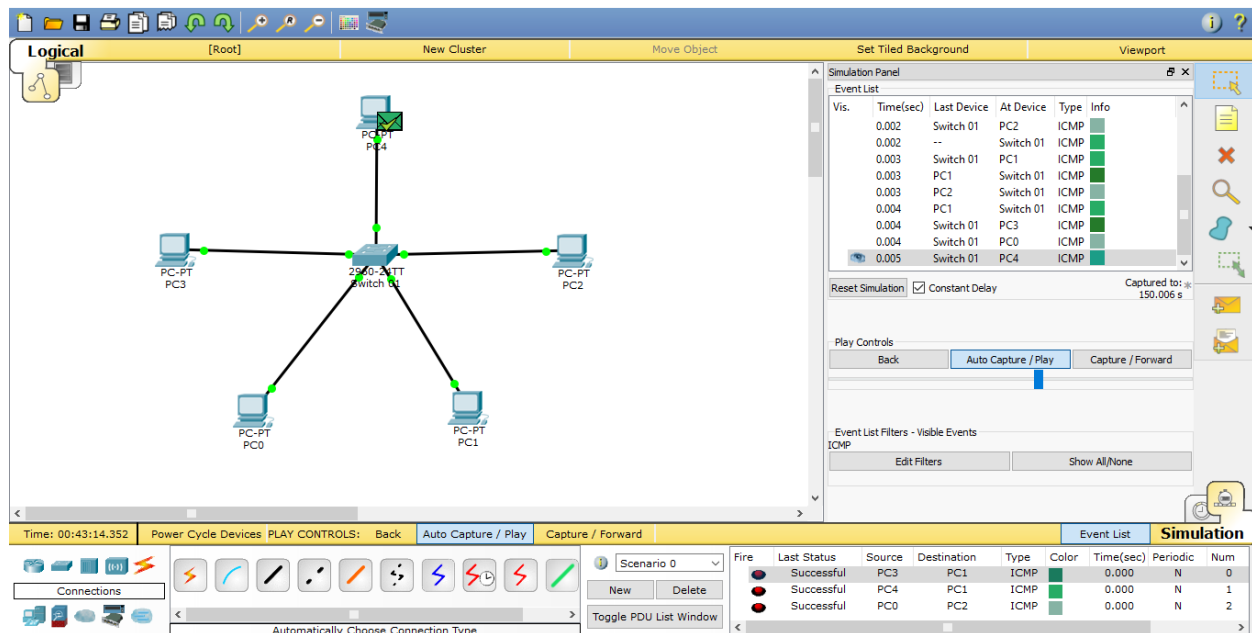


LAB 3 - CISCO PACKET TRACER

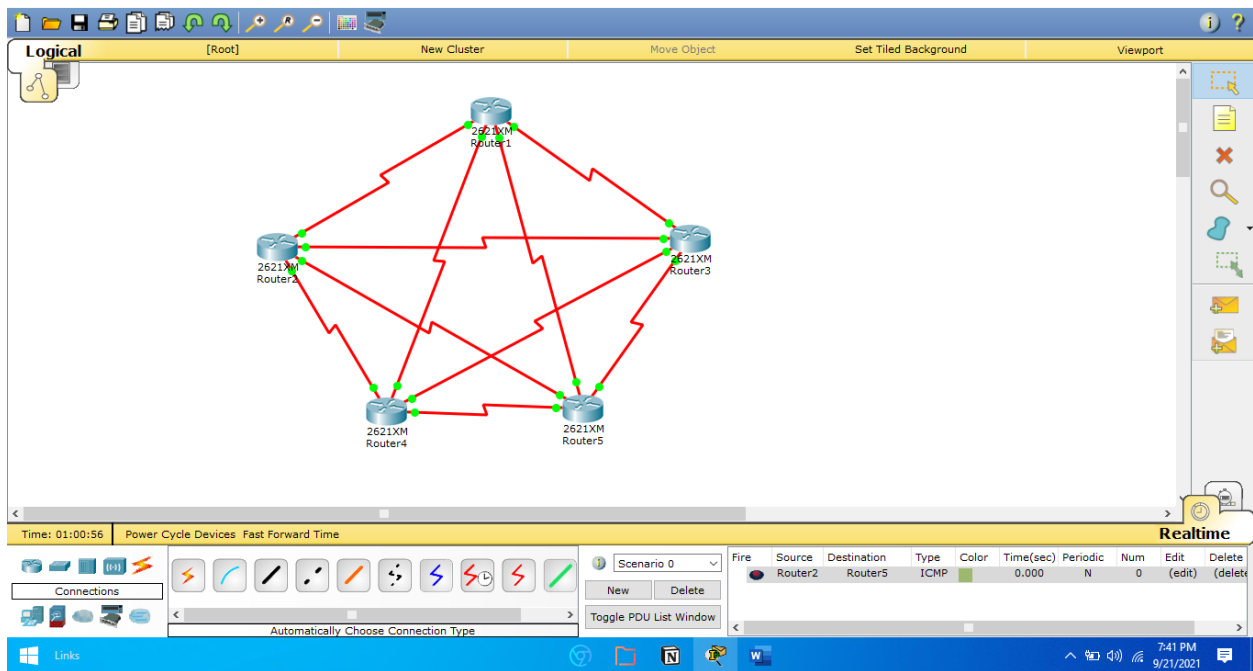
BUS TOPOLOGY



STAR TOPOLOGY

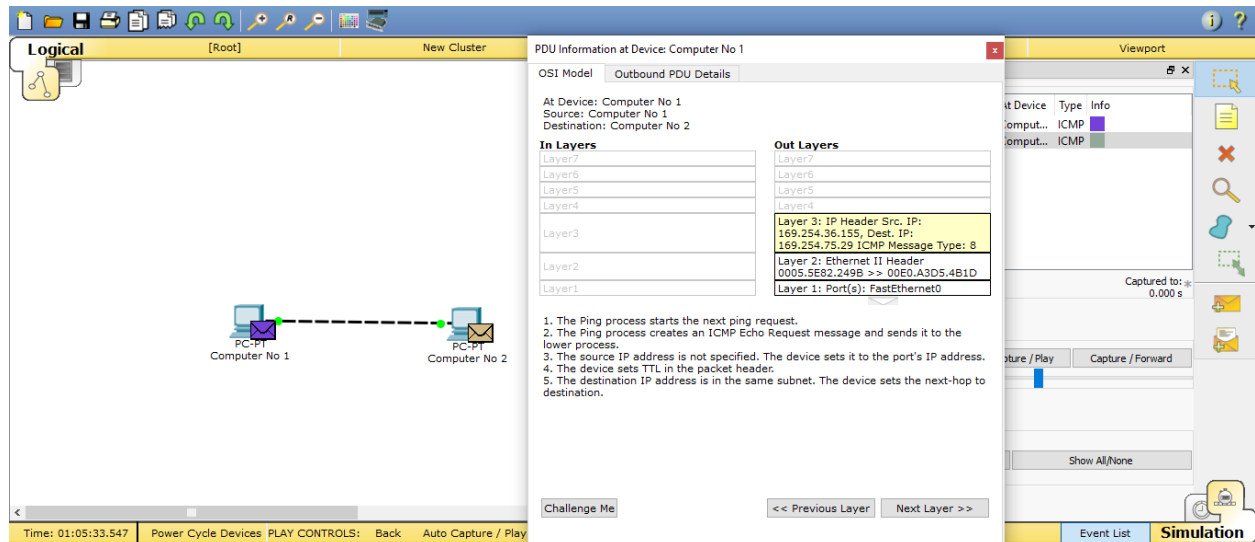


MESH TOPOLOGY



LAB TASKS

TASK 1



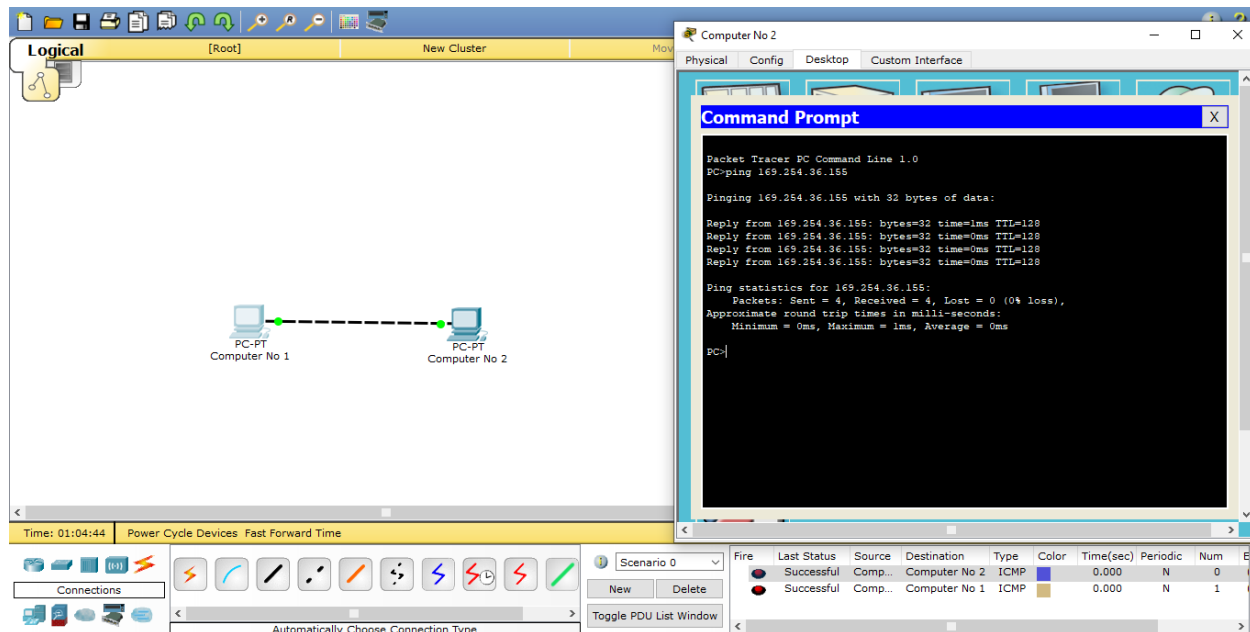
TASK 2 (HUB VS. SWITCH)

HUB	SWITCH
Layer 1 Device	Layer 2 Device
Works on Physical Layer	Works on Data Link Layer
Has No Memory Space	Has Memory Space
High Security Risk	Low Security Risk
Half Duplex	Full Duplex
Less Efficient	More Efficient

TASK 3

No Using Boson NETSIM in Lab

TASK 4



Cross Over wire because end hosts are same.

TASK 5

1. User Mode
Limited to some monitoring commands.
2. Privileged Mode
You can change configuration of router.
3. Global Configuration Mode
Create local database on router, add users, passwords in this mode.
4. Interface Configuration Mode
Limited to configuration of interfaces and assigning IP address to interface.

TASK 6

Tested:

1. Ipconfig
2. Ping
3. Traceroute

TASK 7

2 different networks are connected, through switches.

The screenshot displays a network simulation environment. The main workspace shows a logical network topology with two 2950M-TT switches connected by a dashed line. Each switch is connected to two devices: a PC-PT (PC7 and PC8) and a Laptop-PT (Laptop0 and Laptop1). The interface includes a top menu bar with options like 'New', 'File', 'Edit', 'View', 'Tools', 'Help', 'Log', 'Simulation', and 'Settings'. Below the menu is a toolbar with icons for various functions. The right side of the interface features a 'Simulation Panel' with an 'Event List' table, 'Reset Simulation' and 'Constant Delay' checkboxes, 'Play Controls' (Back, Auto Capture / Play, Capture / Forward), and 'Event List Filters - Visible Events' (ICMP, Edit Filters, Show All/None). The bottom status bar shows 'Time: 01:20:30.508', 'Power Cycle Devices', 'PLAY CONTROLS', and 'Scenario 0'. A 'Connections' panel is visible on the left, and a 'Simulation' panel is on the right, both showing event logs.

Event List (Simulation Panel)

Vis.	Time(sec)	Last Device	At Device	Type	Info
	0.007	--	Switch4	ICMP	
	0.008	Switch4	PC8	ICMP	
	0.008	Switch4	Switch5	ICMP	
	0.009	PC8	Switch4	ICMP	
	0.009	Switch5	Laptop0	ICMP	
	0.010	Switch4	PC7	ICMP	
	0.010	Laptop0	Switch5	ICMP	
	0.011	Switch5	Switch4	ICMP	
	0.012	Switch4	PC7	ICMP	

Event List (Bottom Panel)

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Successful	PC7	Laptop0	ICMP		0.000	N	0
	Successful	PC8	Laptop0	ICMP		0.000	N	1
	Successful	Laptop0	Laptop1	ICMP		0.000	N	2