

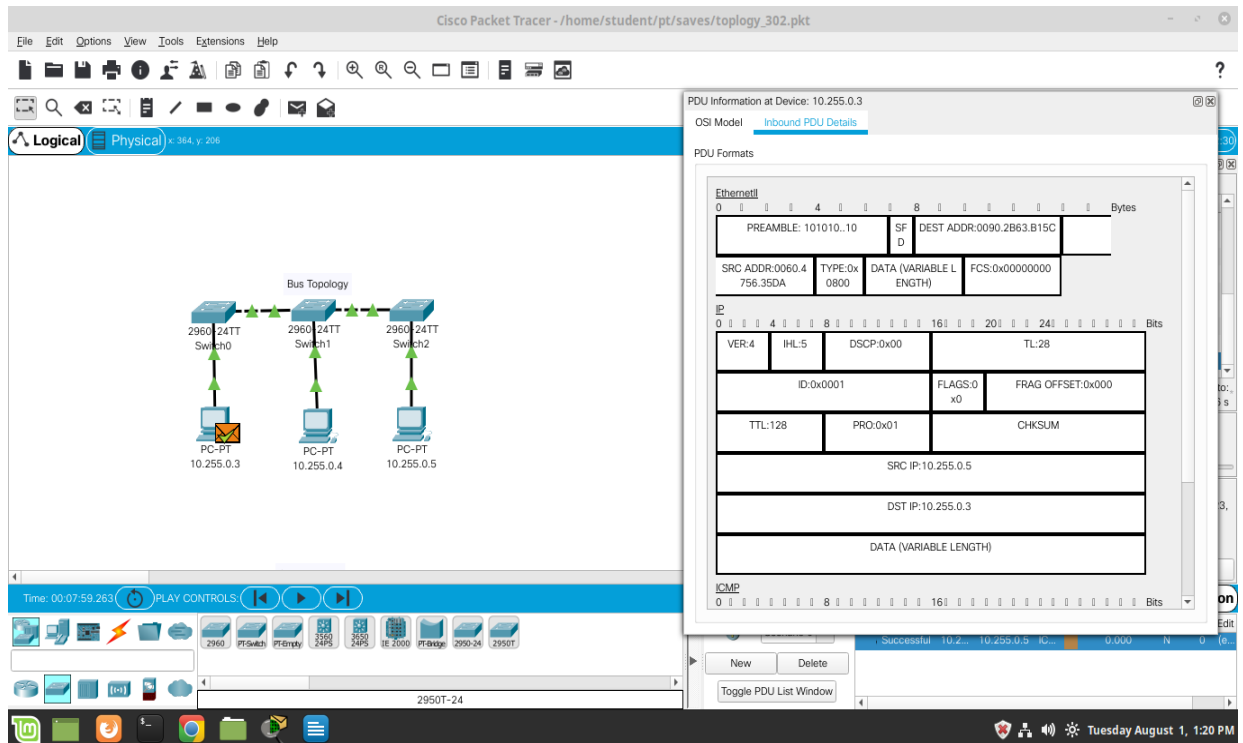
Date: 12/07/2024

Lab Practical #04:

Installation of Network Simulator (Packet Tracer) and Implement different LAN topologies.

Practical Assignment #04:

1. Create a simple network with switch and two or more pc. Also check connectivity between them using ping command or PDU utility.



The screenshot displays the Cisco Packet Tracer interface. The main workspace shows a 'Bus Topology' with three 2960 24TT switches (Switch0, Switch1, Switch2) connected in a line. Each switch is connected to a PC-PT (10.255.0.3, 10.255.0.4, 10.255.0.5). The interface includes a menu bar, a toolbar, and a bottom status bar showing the time as 00:07:59.263. On the right, the 'PDU Information at Device: 10.255.0.3' window is open, showing the 'Inbound PDU Details' for an Ethernet II packet. The packet details include:

Ethernet II	
PREAMBLE: 101010..10	DEST ADDR: 0090.2B63.B15C
SRC ADDR: 0060.4756.35DA	TYPE: 0x0800
DATA (VARIABLE LENGTH)	

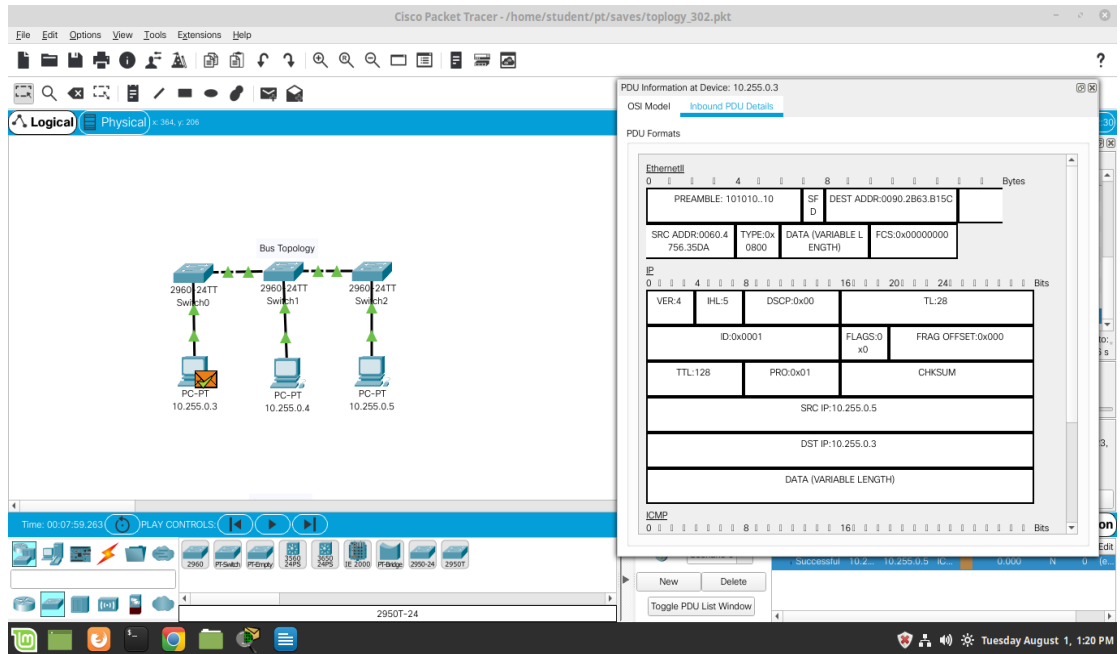
The IP packet details are also shown:

IP	
VER: 4	IHL: 5
DSCP: 0x00	TL: 28
ID: 0x0001	FRAG: 0
TTL: 128	PRO: 0x01
SRC IP: 10.255.0.5	
DST IP: 10.255.0.3	
DATA (VARIABLE LENGTH)	

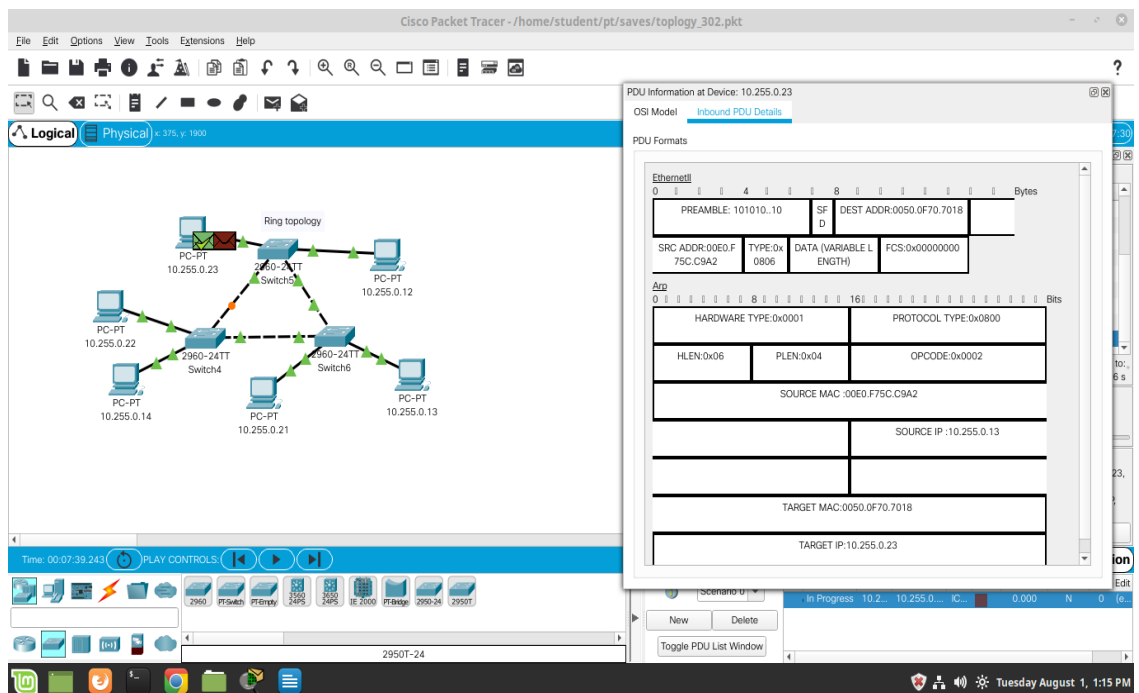
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2. Implement different topologies in packet tracer.

a. Bus

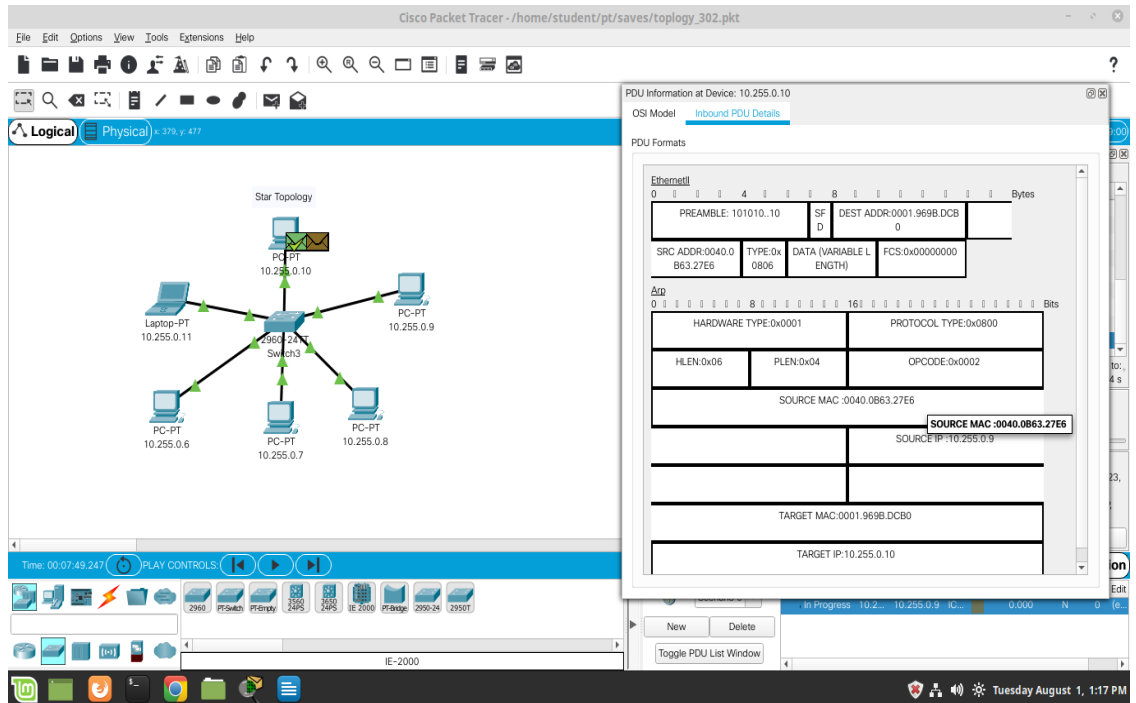


b. Ring

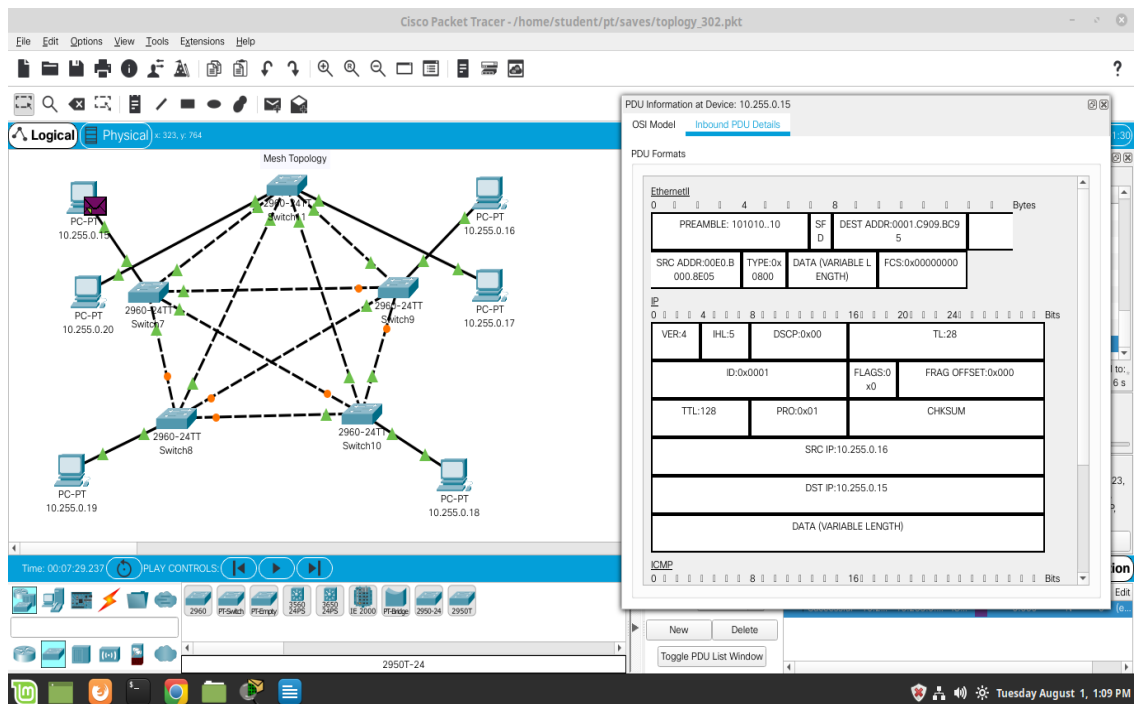


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c. Star



d. Mesh



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e. Tree

