

WORKSHEET – 2.2

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Section/Group: 716 / “B”

UID: 20BCS7260

Subject: Computer Networks Lab

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Branch: BE CSE (4 Semester)

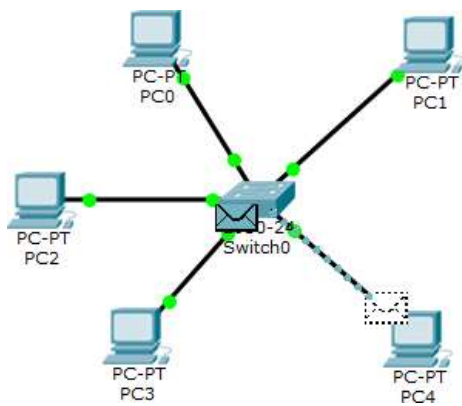
AIM: Create different network topologies like Star, Bus and Mesh Topology with the help of packet tracer and show the output.

REQUIREMENTS: Cisco packet tracer

STEPS FOR EXPERIMENT:

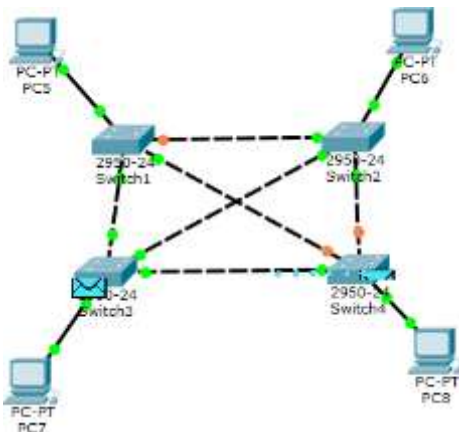
STAR Topology:

- Connect different PCs with central hub/switches.
- Assign individual IPs to all PCs
- Drop PDU from one pc to another
- Start Simulation



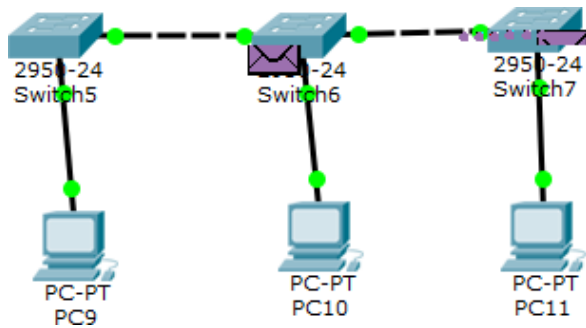
Mesh Topology:

- Every device has a dedicated (link carries traffic only between two devices) point to point link to every other device.
- Assign IPs to every individual Pc
- Drop PDU
- Start Simulation

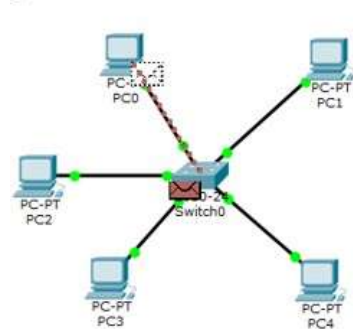


Bus Topology:

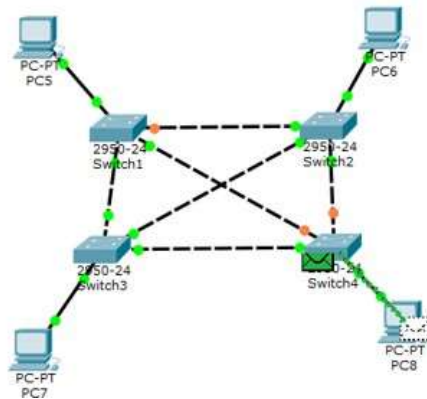
- All nodes are connected along with this communication line with two endpoints called the bus or backbone
- Connect PCs with switches serially.
- Drop PDU
- Start Simulation



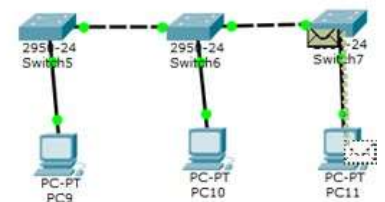
RESULT:



Star



Mesh



Bus

Learning outcomes (What I have learnt):

- I understood different network topologies like star, mesh and bus.
- I learnt to use cisco packet tracer.
- I learnt to make diagram of topologies on cisco packet tracer.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			