

Exercise no: 3

3/7/24

Aim:

To study the packet tracer tool installation & interface & overview

1) From the network component box, click and drag and drop the below components:

a) 4 generic PC's and one HUB

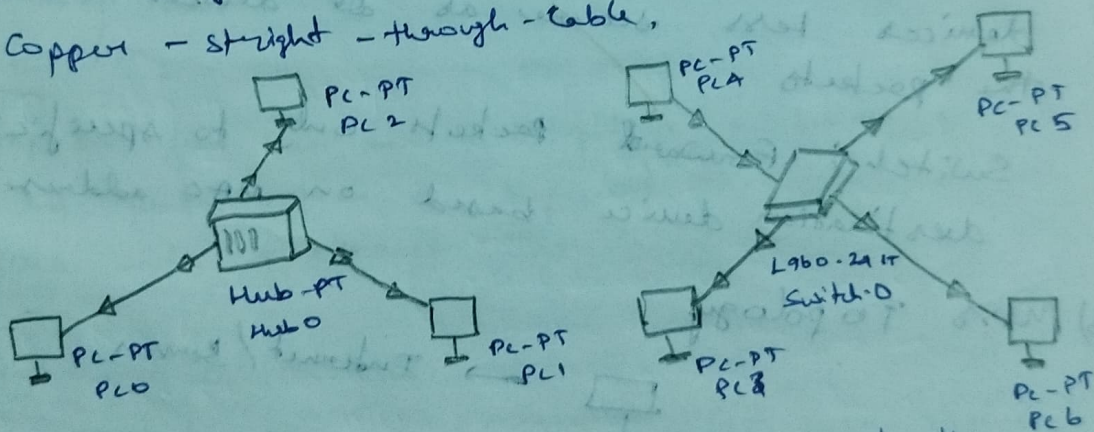
b) 4 generic PC's and one switch

2) click on connection

a) click on copper straight-through cable

b) Select one of the PC and connect it to hub using the cable, This link LED should glow in green

c) Similarly connect 4 PC's to the switch using Copper - straight-through-cable,



3) click on PC's connected to hub, go to the desktop tab, click on IP configuration and enter and IP address and subnet mask.

Click on PDU from the common tool bar

a) drag and drop it

PC0	
IP Configuration	
IP configuration	
ODHCP	Static
IP address	
Subnet Mask	
Default gateway	
DNS server	

PC1	
IP Configuration	
IP configuration	
ODHCP	Static
IP address	10.1.1.2
Subnet mask	
Default gateway	
DNS server	

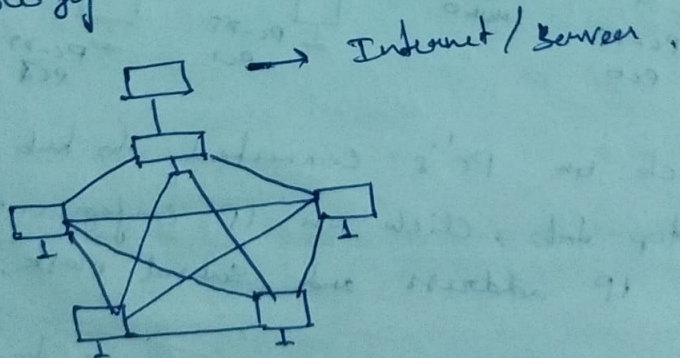
4. Click on flow of PDU from source PC to destination PC by selecting the real time mode of simulation
5. Repeat step# 3 to step#5 for the PC connected to switch.

Student observation

a) HUB: forward packets to all connected devices less source as all devices receive the packets

Switch: Forward packets only to specific destination device based on MAC address

6) Mesh Topology



Result:

Thus, the study of packet tracer tool installation & user interface overview has been done successfully.

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