

Exp: 3

CISCO PACKET TRACER

04-08-23

Statement: All in syllabus b/w out ppts 200 & 201 to 20

Aim:

To study (host operation) UC4 lab no 201
To study packet tracer tool installation and
User interface overview

- Objectives:
- a) Cisco Packet tracer gets successfully installed.
 - b) Analyse behaviour of network devices using Cisco Packet tracer (simulation environment).

- From the network component box click and drag-and-drop the below components:
 - 4 PCs and One HUB
 - 4 Generic PCs and One Switch
- click on Connections tab of the screen

- a) Clicks on the Copper & Straight-through cable.

- In network b) Select one switch to PC and connect it to HUB using the cable. The link LED should glow in green indicating that the link is up similarly connect remaining 3 PCs to the HUB.

- b) Similarly connect 4 PCs to the switch using copper straight-through cable.
- c) click on the PCs connected to hub, go to the Desktop tab, click on IP configuration, and enter an IP address and subnet mask. Here, the default gateway and DNS server information is not needed

as those are only two end devices in the network.

click on the PDU (Message icon) from the common toolbar.

(Illustration) Drag and drop either on one of the PC (source

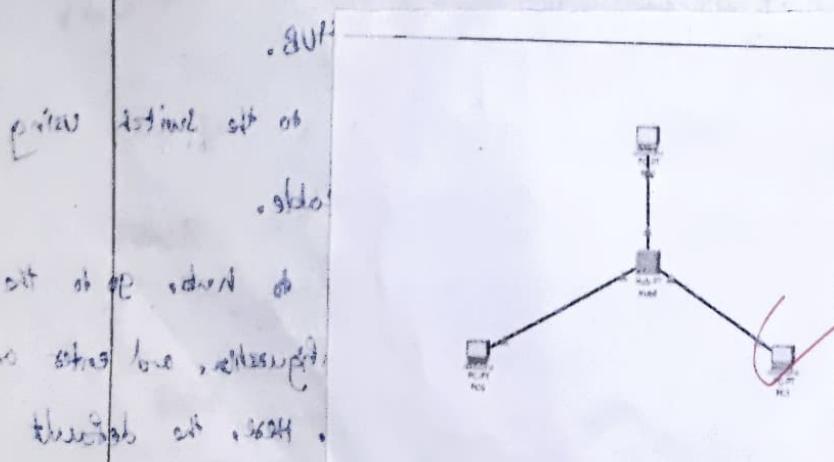
(machine) or on the destination machine) connected to the HUB.

Step 4. Observe the flow of PDU from source PC to destination PC by selecting the Realtime mode of simulation.

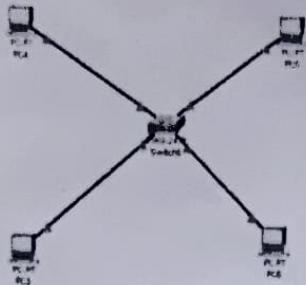
5. Repeat step #3 to step #5 for the PCs connected to the switch.

Observe how the HUB and a switch behave for forwarding

both the other PDU and work your observation and come to your conclusion about the behaviors of switch versus hub and HUB.



between them is nothing to do with workshop



Student observation:

- 1) From your observation write down the behaviour of switch and hub in terms of forwarding the packet received by them?

A switch forwards packet only to the specific devices based on the MAC address, which a hub broadcasts packets to all the connected devices.

- 2) Find out the network topology implemented in your college and draw and label that topology in your observation book.

The network topology commonly used in colleges is star topology, where all devices are connected to a central switch or hub.

networks traffic

evaluated all aspects of various networks such as most of its resources for which it has been defined to (most of the basic topology)

all of the testing showed network A

was the SAM at no band received signal

as less of testing showed that a number of signals began

a Unacademy project document all due to the fact (a project took total less work less spells such as good networks such as less results)

Results project document and

This makes the project code tool ^{the} packet tracer tool ^{is} installed and defined. Now the overview of UPS interface layer is studied.

W 9/10/17