

EXPERIMENT-3

Objective: To set up a basic network consisting a Hub and study of different configuration with GUI.

Resources Required:

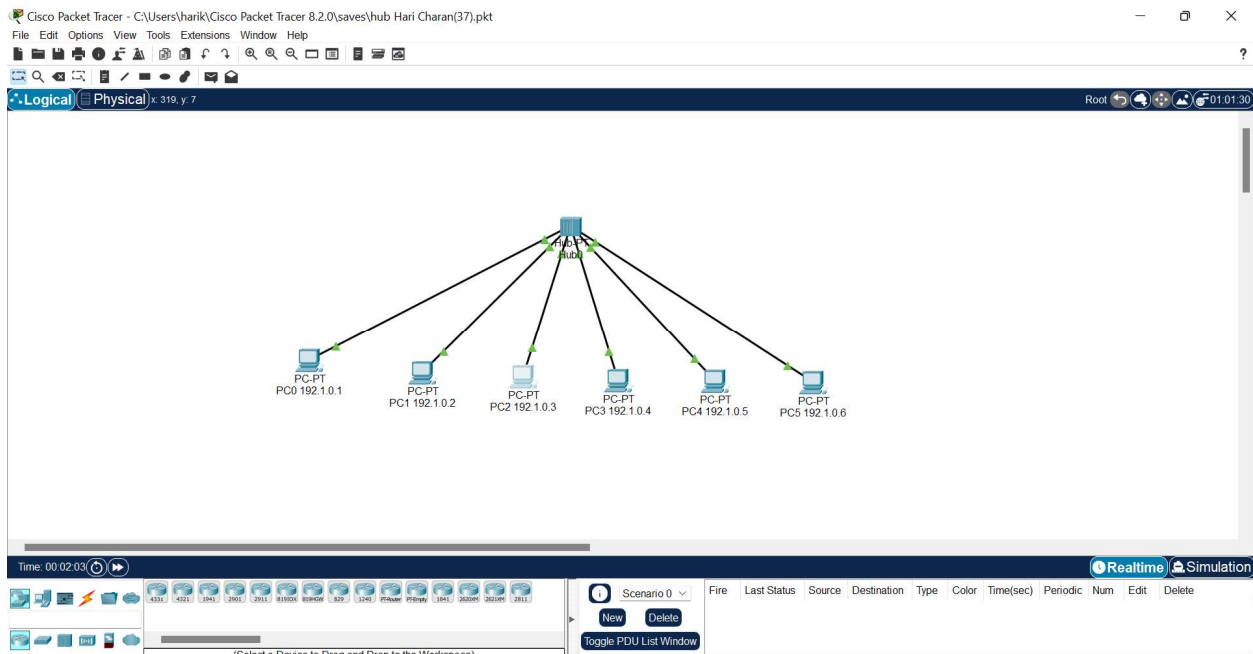
Cisco packet tracer

Theory:

HUB: A hub is a small, rectangular, inexpensive device that joins multiple network-enabled devices. They're often made of plastic and receive power from an ordinary wall outlet. The purpose of a hub is to form a single network segment on which all devices can communicate directly with each other.

PROCEDURE:

TOPOLOGY:



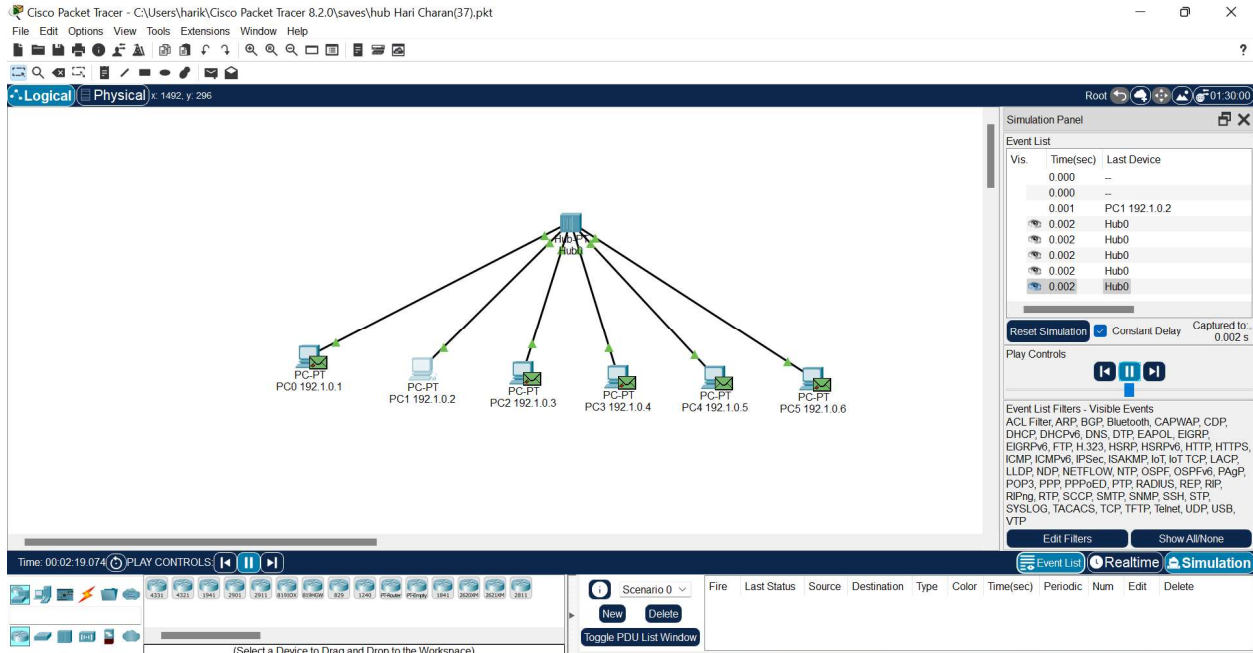
Addressing table:

Device	IP address	Subnet mask
PC0	192.1.0.1	255.0.0.0
PC1	192.1.0.2	255.0.0.0
PC2	192.1.0.3	255.0.0.0
PC3	192.1.0.4	255.0.0.0
PC4	192.1.0.5	255.0.0.0
PC5	192.1.0.6	255.0.0.0

1. Setup the above shown topology using hub and end device pc

2. Connect the hub and the pc's using copper straight connection links.
3. Power on the devices.
4. Set the IP addresses of the PC's using above addressing table.
5. Start simulating the topology. The result is shown below.

Simulation:



Conclusion:

We have studied the basic network consisting a Hub.