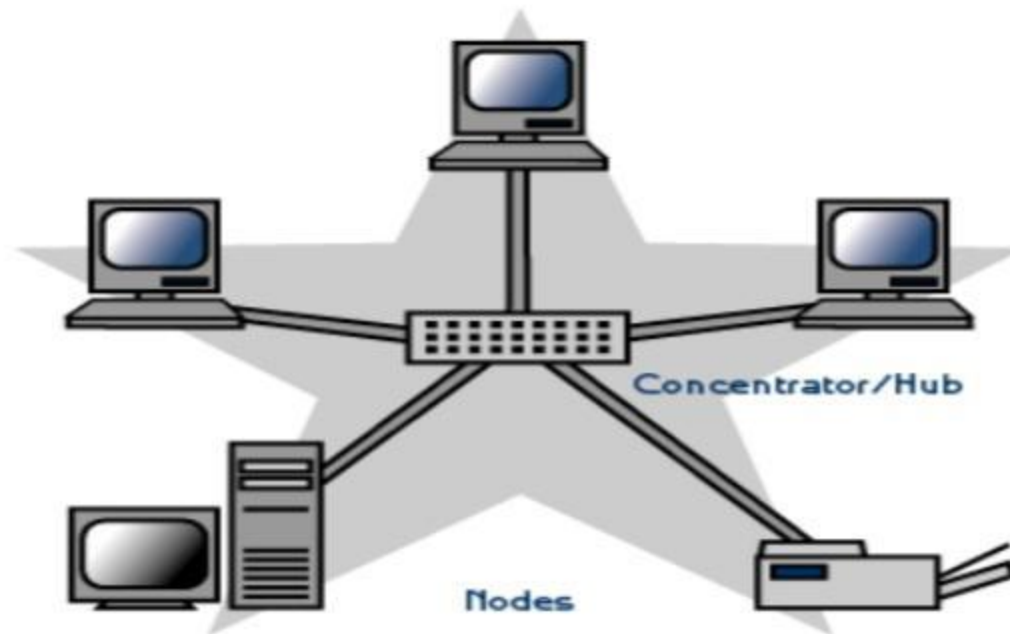


STAR TOPOLOGY

A star network is an implementation of a spoke–hub distribution paradigm in computer networks..They are connected through one central device called a hub or a switch or a concentrator.Star topologies provide an inherent advantage that a new site can be added with ease; only the central site will have to be updated. In star topology, the central site plays an important role; if it fails, all the connections will go down. Performance of the central hub dictates the performance of the connection.



Advantage and disadvantage

- Advantages

- 1. Its speed is very high.
- 2. The network is highly scalable.
- 3. It is the most efficient.
- 4. Safe to use
- 5. No point-to-point connections
- 6. Highly reliable

Disadvantages

1. Maintenance cost is very high.
2. Central device dependency
3. It is very expensive
4. Immobile systems
5. Wires or cables used.
6. low data transfer rates

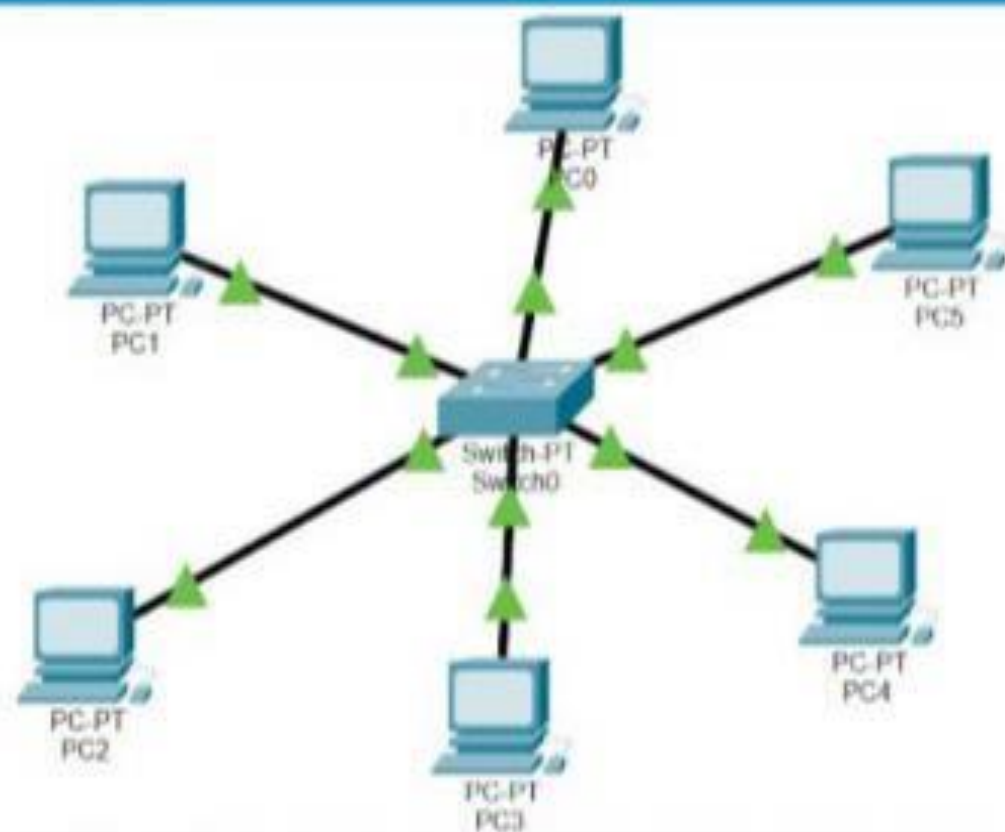
How to create star topology Cisco packet tracker

- First open the tracker Open the laptop logo and click on that click 4-5pc.
- Click on the switch and drag to the screen. make it like below picture
- Click on automatically wire put the and connect them with pc to switch .
- Gives ip addresses On pc.
- Click on pc go to ip configuration and add the ip address and subnetmask(automatically take).
- After sometime wires are automatically changed to green. ping pc to another pc and stimulate it. then it show successful .



Physical x: 430, y: 252

[Root]



4331 4321 1941 2901 2911 819IOX 819MGW 829

Automatically Choose Connection Type

Scenario 0

New Delete

Toggle PDU List Window

| File | Last Status | Source | Destination | Type | Color |
|------|-------------|--------|-------------|-------|-------|
| | Successful | PC1 | PC4 | IC... | |
| | Successful | PC0 | PC3 | IC... | |