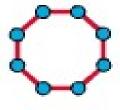
- The structure of the network:
 - Physical topology
 - Actual layout of the media

- Logical topology
 - How the hosts access the media

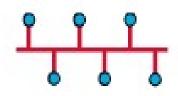
Cabrillo College

- Bus
 - Uses a single backbone cable
 - All hosts connect directly to backbone

- Ring
 - Connects e first



Ring Topology



Bus Topology

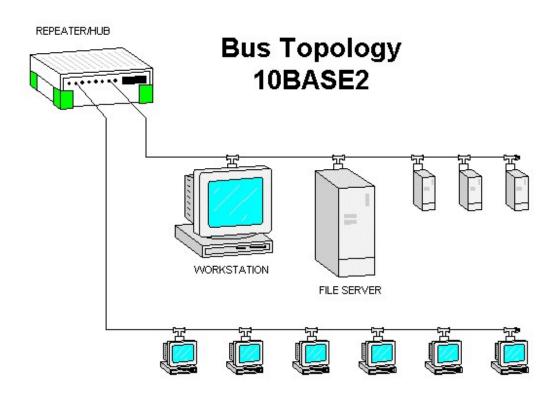
еι

ast to the

Physical ring of cable

Bus Topology

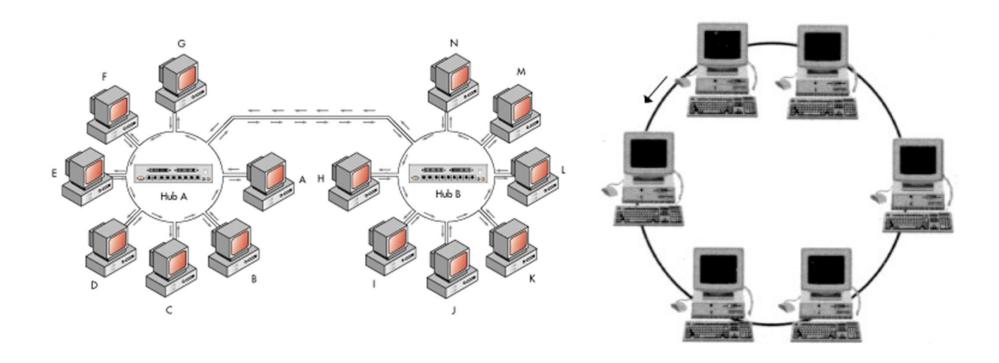
Cabrillo College



"A bus topology uses a single backbone segment (length of cable) that all the hosts connect to directly."

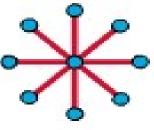
Ring Topology

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"A ring topology connects one host to the next and the last host to the first. This creates a physical ring of cable."

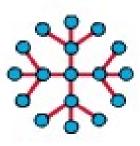
- Star
 - Connects all cables to a central point of concentration
 - Usually a hub or switch at center





Links stars by linkin

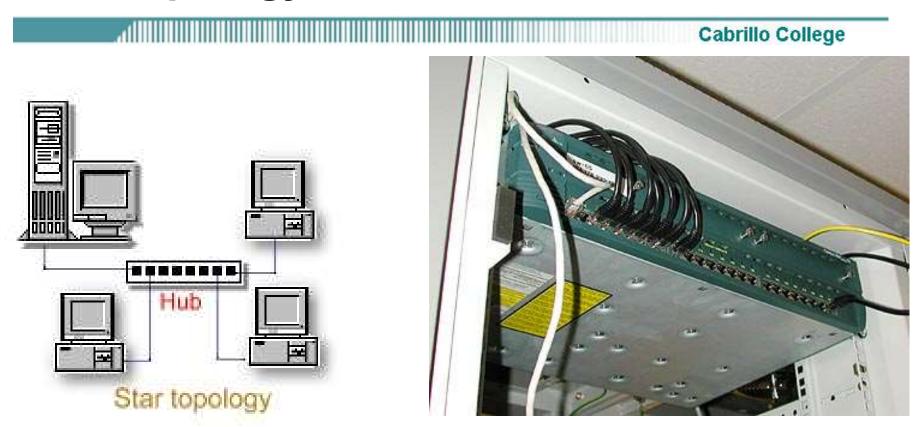
Extended Star



Extended Star Topology

cheu

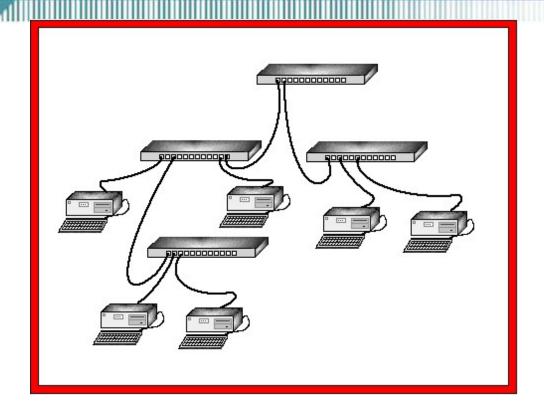
Star Topology



"A star topology connects all cables to a central point of concentration. This point is usually a hub or switch, which will be described later in the chapter."

Extended Star Topology

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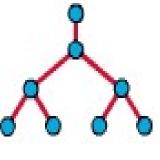
"An extended star topology uses the star topology to be created. It links individual stars together by linking the hubs/switches. This, as you will learn later in the chapter, will extend the length and size of the network."

Hierarchical

- Similar to extended star
- Links star LANs to a computer that controls network traffic

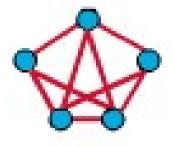
Mesh

- Each host is con:
- No breaks, ever!



Hierarchical Topology

10



Mesh Topology