Networking Topologies

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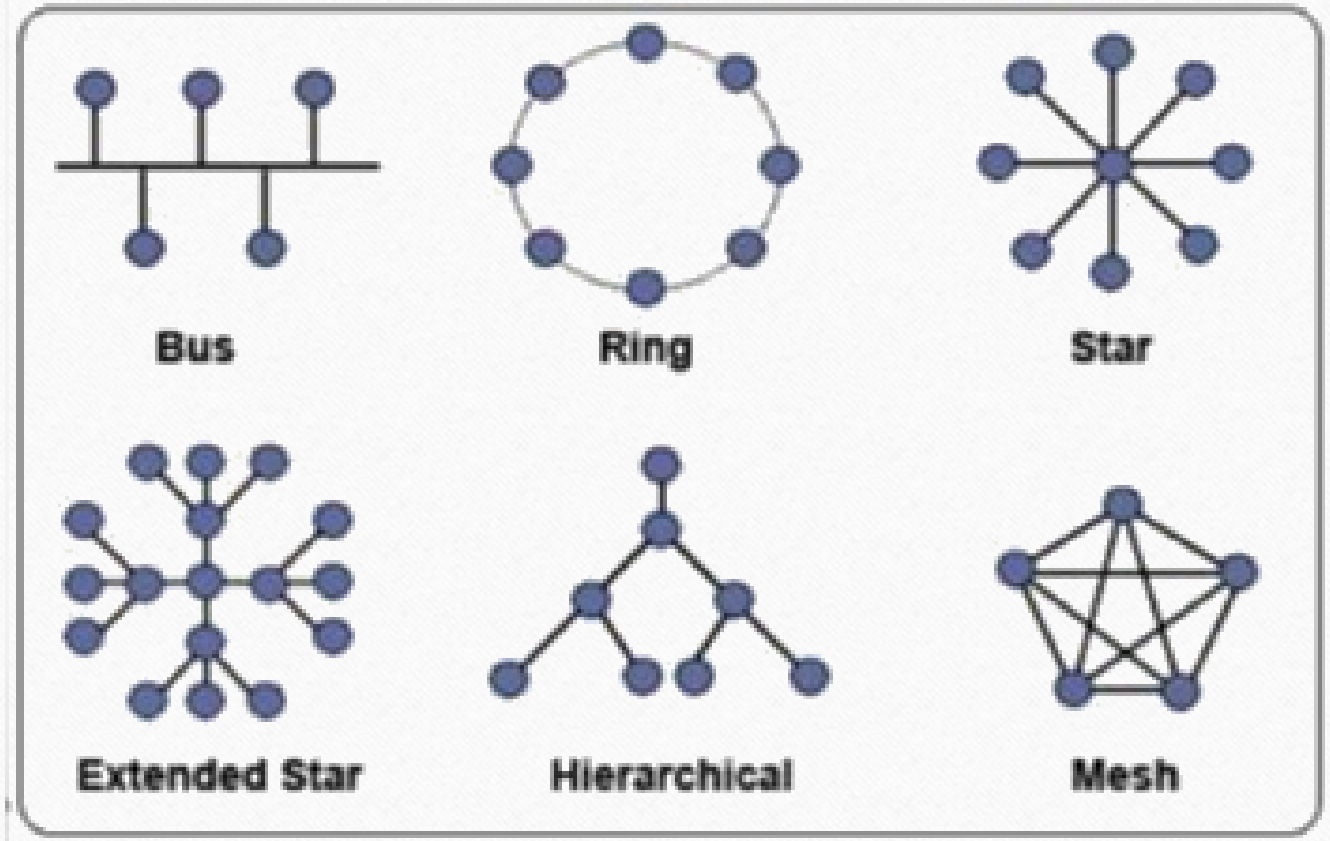
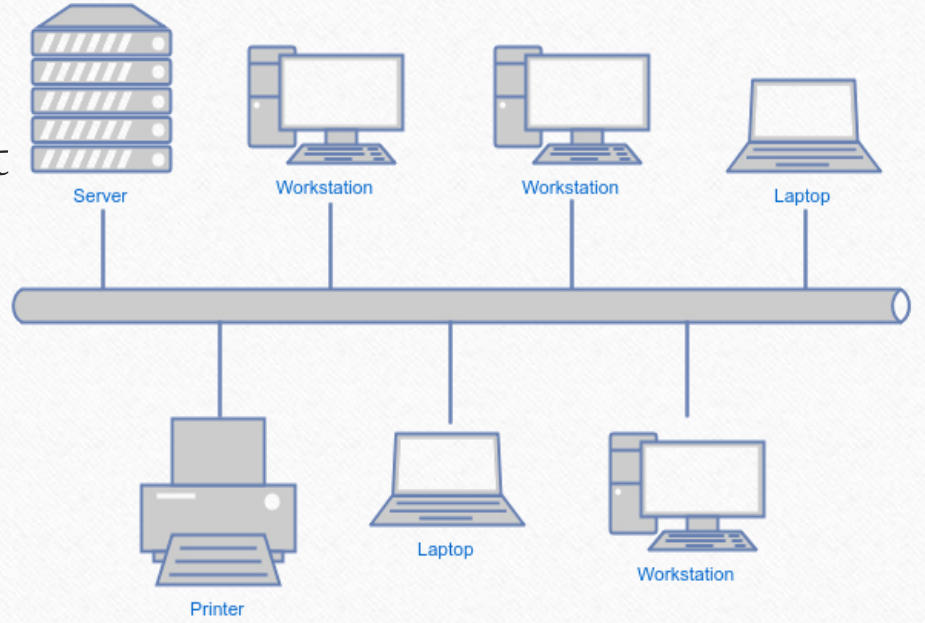
Network Topology



https://electricalacademia.com/wp-content/uploads/2019/02/6-400x300.jpg

BUS

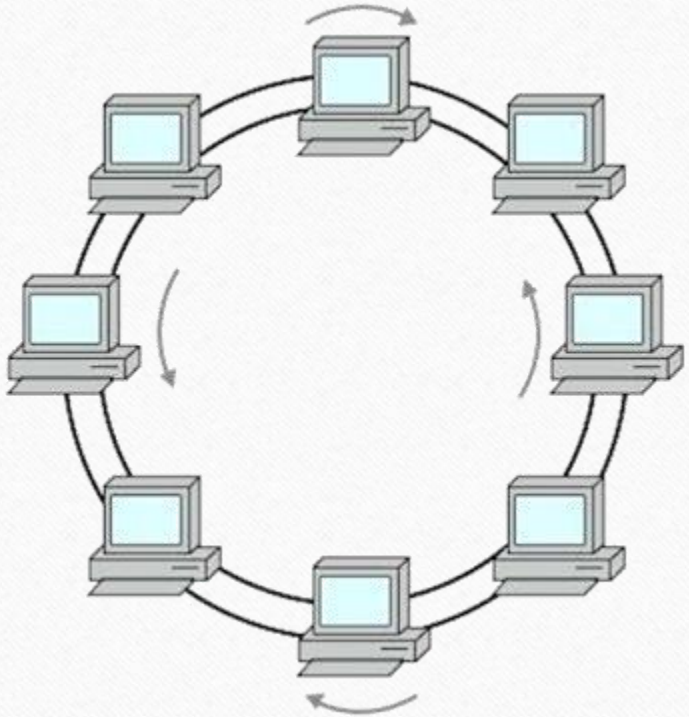
This topology has multipoint connection. One long cable acts as a backbone to link all the devices in a network.



http://www.itrelease.com/2019/06/what-is-bus-topology-with-example/

RING

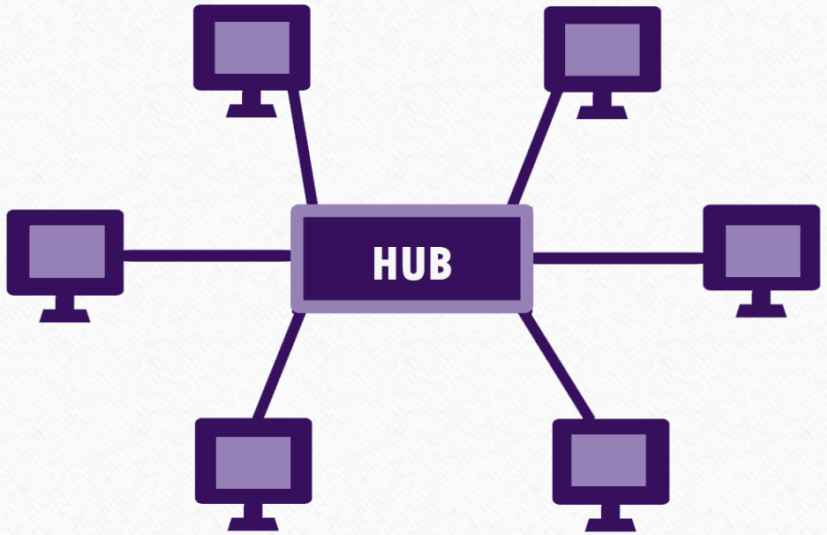
In a ring topology, each device has a dedicated point-to-point connection with only the two devices on either side of it.



http://www.itrelease.com/2019/06/what-is-ring-topology-with-example/

STAR

In this topology, each device has a dedicated point-to-point link only to a central controller usually called a hub.

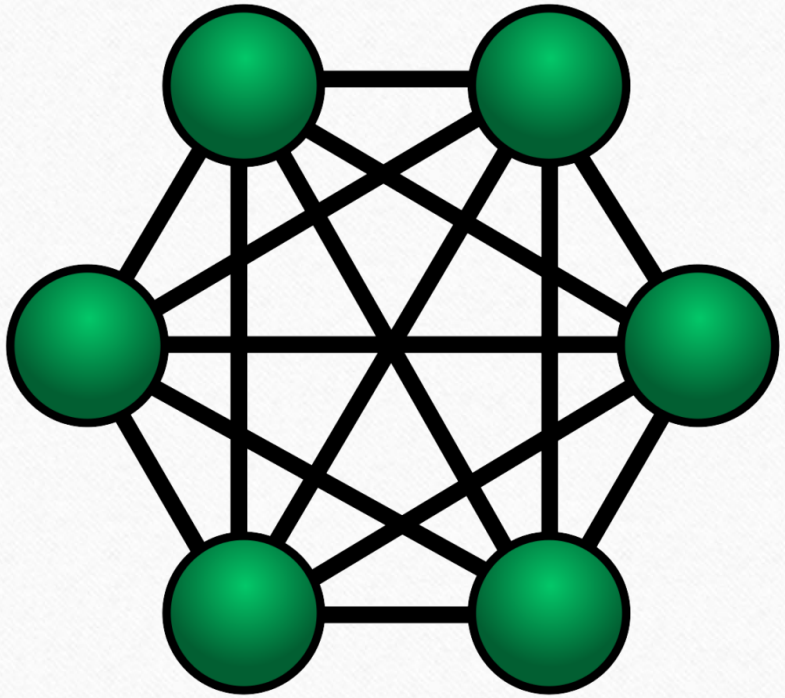


http://www.itrelease.com/2019/06/what-is-star-topology-with-example/

MESH

In this topology, every device has a dedicated point to point link to every other device.

- The term dedicated means that the link carriers traffic only between the two devices it connects.



http://www.itrelease.com/2019/06/what-is-mesh-topology-with-example/

How many links are needed in mesh topology in case of 5 nodes?

A. 5
B. 10
C. 15
D. 20

B. 10

How bus and ring topology handles collision issue?

A. Token
B. Hub
C. Switch
D. Star

A. Token

Thank You

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