

Distinguish, differentiate, compare and explain what is the difference between Bus topology and Ring topology. Comparison and Differences.

Differences between Bus and Ring topology

S.No.	Basis of difference	Bus Topology	Ring Topology
1	Structure	All computers / nodes are connected to a single central cable (backbone).	All computers / nodes are connected in a loop.
2	Connection between nodes	It has no connection between nodes but connect to backbone.	It has connection between all the nodes.
3	Ease of trouble shooting	Easy identification of cable faults.	Easy to troubleshoot - Repair or remove the failing nodes.
4	Easy of adding or removing nodes	Easy to implement and extend. New devices can be added to the backbone or to the existing nodes.	Difficult because moves, adds and changes of devices can affect the network.
5	Node failure	Failure of a node doesn't affect the entire LAN as long as the backbone is working.	A failing node will affect the entire LAN.