

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

Differences between Ring and Star topology

S.No.	Basis of difference	Ring Topology	Star Topology
1	Structure	All computers / nodes are connected in a loop.	All computers / nodes are connected to central host directly.
2	Connection between nodes	It has connection between all the nodes.	It has no connection between nodes.
3	Ease of trouble shooting	Easy to troubleshoot - Repair or remove the failing nodes.	Difficult when one of the nodes fails; but easy to troubleshoot when the host fails.
4	Easy of adding or removing nodes	Difficult because moves, adds and changes of devices can affect the network.	Easy to implement and extend. Only add the nodes or devices to the host.
5	Node failure	A failing node will affect the entire LAN.	Failure of a node doesn't affect the entire LAN as long as host is working.