

## **What is Distance Vector Routing Protocols?**

The main goal of Distance Vector Routing Protocols Is to find out the best path for he data packet to reach the destination. Distance here could be the hops. The three different types of Distance Vector routing protocols include:- Routing Information Protocol (RIP v1 and v2) and Interior Gateway Routing Protocol. The protocol is easy to manage however not well scalable.

The Distance Vector protocol initially prepares a Routing table which is shared with other routers. This routing table is shared between routers present in the same network. A new routing table is prepared when some new information is received from some other router. Now, the bad routing paths are removed keeping only the smallest hop paths. This new table is then communicated to other routers.