

### **What is Routing table?**

A routing table stores the routes of the various nodes in a network. Nodes can be any electronic device connected to the network. The table is usually stored in a router or the network computer as a database or file. This information helps to find the best possible path. The routing table has at least 3 fields: the destination network id, cost of the path, next hop or address to send the packet.

### **What is Routing Protocols?**

Routing protocols are used to assist in achieving the basic purpose of routing. They specify the routers the method to communicate with each other. They help the routers select the best possible path between nodes. There are different types of protocols such as link-state routing protocols, path vector protocols and distance vector routing protocols. These protocols prevent routing loops to form or break if formed already. They help to decide preferred routes from a sequence of hop costs..