

## Lab 6

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6-⑥

Configure RIP routing protocol in Router :-

- we need to add routes to the router statically and this may become difficult if we have many. RIP protocol helps to overcome this problem. It copies the routing table of its neighbouring routes. Limit of its extension is 16 nodes in a network.
- Learn to configure RIP protocol.
- Routing Information Protocol is distance vector routing protocol. It knows only neighbours and does not know entire topology.
- It does not support CIDR and VLSM. It will update routing information in every 30 sec. (periodically).
- ppp → point to point protocol → for serial clock connection (clock rate only for clock interfaces, encapsulation ppp for serial interfaces only).

To configure RIP protocol for say Router 1, click on router 1 → enable → Config terminal →

- router rip
- network 10.0.0.0
- network 20.0.0.0 } Gateway.
- Exit.