

05/11/20

Lab 6-2

6b) Configure RIP routing Protocol in Router

• We need to add routes to 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 routers a limit of its extension is made in network.

• Learn to configure RIP protocol.

Routing Information protocol is distance vector routing protocol. It knows only neighbours and doesn't know entire topology.

It doesn't support CIDR but RIP version 2 supports CIDR, VLSM. It will update routing information 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 routers click on
router 1 → enable → configure terminal
router 1

```
network 10.0.0.0 } gateway
network 20.0.0.0 }
exit
```