

RIP - Routing Information protocol.

We use RIP to config routers. It is a distance vector routing protocol. It knows only neighbours. It doesn't know entire topology routing by rumors.

It doesn't support classless network (CIDR) but RIP version 2 supports CIDR & VLSM. It will update routing information every 30's. It sends routing table to neighbours.

PPP - point to point protocol. for serial connections. encapsulation PPP for serial interfaces only, clock rate only for clock interfaces.

To configure RIP protocol.

click on router 1 → enable → config terminal router rip.

network 10.0.0.0
network 20.0.0.0
exit.

For router 2.

same commands.
except

network 20.0.0.0
30.0.0.0

For router 3.

network 30.0.0.0
network 40.0.0.0

→ RIP is configured
in all the
routers.

To check if router is collecting routing info.
command:- show ip route.

to config PC,

Fast Ethernet 0 -

1. Gateway IP → 10.0.0.10
10.0.0.1

2. Gateway IP → 40.0.0.10
40.0.0.1

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