Date 20/11/2

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	Experiment - 5.
Q.	Configure Routing information protocal in nouter
	Aim: To configure nouting into protocol in route
<u> </u>	MO.O.O.1 Router-FT Pouter-PT Seaso Seaso Prouter-PT Pouter-PT Pouter-PT Pouter-PT
	10.0.0.1 Fa010 Fa010 20.0.0.1 Fa010 30.0.0.1
Switch	A-PT (=) Switch PT (=) Switch PT Switch PT Switch 2
Fa	
131	PC-PT
de	gateway 10.0.0.1 del gateway 20.0.0.1 del gateway 30.0.0.1
	Topology:
Į.	Switch O connected to norter O interface Fa 0/0 using copper-straight through cable from Fa 2/1
	Similarly, sweitch & switch 2 connected to nouture junterface Fa 0/0 & nouter 2 interface Fa 0/0 resp.
3.	Router 2 connected to nouter 0 & nouter 1 via Se 2/0 E, Se 3/0 interface resp.
ц.	PCO PCI connected to switch 0 via coppu straight cable with ip address 10.0.0.2, 10.0.0.3 xesp.
5	PC2, PC3 connected to sneitch via copper strai- ght cable with ip address 20.0.0.2, 20.0.0.3 resp

6. PC4, PCS connected to switch 2 via copper straight cable with ip address 30.0.0.2 and 30.0.0.3 resp Procedure: 1. Open sisco packet traces and drag the following components: Routers: Place 3 nouters in the middle Switch: Place 3 switches & connect them to the nouters with Fazi interface using copper-straight cable. of the 3 switches via fa 0/0 interfece using copper straight cable. Connect the nouters using serial-dct cable. 2 Configure all the 3 souters: * Router O: Router > enable Router # > config terminal Router (config) # interface sexial 2/0 Router (config-if) # ip address 30.0.0.1 255.0.0.0 Router (config) # no shut Router (config) # enit * Router 1: Router (config) # interface serial 2/0 Router (config-if) # ip address 40.0.0.1 255.0.0.0 Router (config-if) # no shut Router (config-if) # enit Router (config) # intenface Fado Router (config-if) # if address, 20.0.0.1 255.0.0.0

Router (config-if) # No shut Router (config-if) # emit Router (config) # interface se 3/0 Router (config) # ip address 50.0.0.1 Router (config - if) # no shut Router (config-if) # enit Router (config) # interface Fa0/0 Router (config-if) # ip address 30.0.0.1 Router (config-if) # No shut Router (config-if) # enit Router (config) # interface Se 2/0 Router (config-if)# if address 50.0.0.2255.0.0.0 Pouter (config-if) # no shut pouter (config-if) # enit. 3. Set the ip address & default gaturay for all 4. Configure RIP for all nouteur * Router 0: Router (config) # Houter sip Router (config-nonter) # network 10.0.0.0 Router (config - nouter) # network 30.0.0.0

* Router (c

Router (config + nouter nip Router (config - nouter) # network 40.0.0.0 Router (config - nouter) # network 20.0.0.0

Router (config - nonter) # network 50.0.0.0

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* Router 2:

Router (config) # router sup Router (config-nouter) # network 30.0.0.0 Router (config-router) # network 50.0.0.0

5. Obro Ping the PCs to check the connections

Observation:

The grouters communicate with each other and share to each of their routing table after they are configured with routing info brotocol. protocol.

Once RIP is activated in Routers, every router share its routing protocal with its immediarouter will know about all monters that their neighbours are connected to.