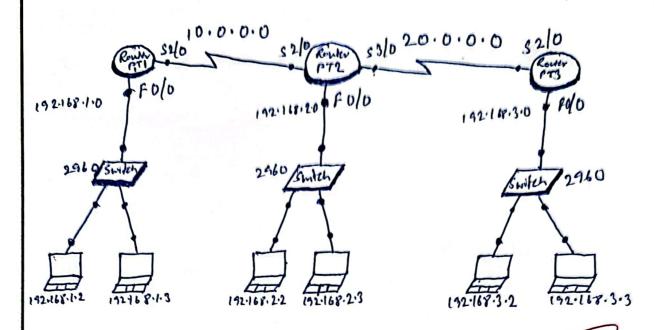
State routing with 3 routers.



+ Ribbles & Three Ronter P.Ts are taken and are connected serially. Then router PTI is connected to a switch (2960). The switch is connected to Two PCs with IP addictor 192.168.1.2 and 192.168.1.3. Same connection is done with router PT2 and the connected PCs SP address 13 192.168.2.2 and 192.168.2.3. Another Router PT3 is also connected in same way with IP address

192.168.3,2 and 192.168.3.3,

I NOW in CLI command line of Router PTHA, we have to set its IP address, mark, and wing commands.

Router > en

Router # config t Ronter (konfig) # int foo/0 Router (config-if) # 1p add 192.168.1.1 255.255.255.0 Ronter (config-if) # no sh

Ronter (config-if) # into \$2/0

Ronter (config-if) # ip add 10.0.0.1 255.0.0.0

Ronter (config-if) # no sh

Ronter (config-if) # 12

Ronter (config-if) # 12

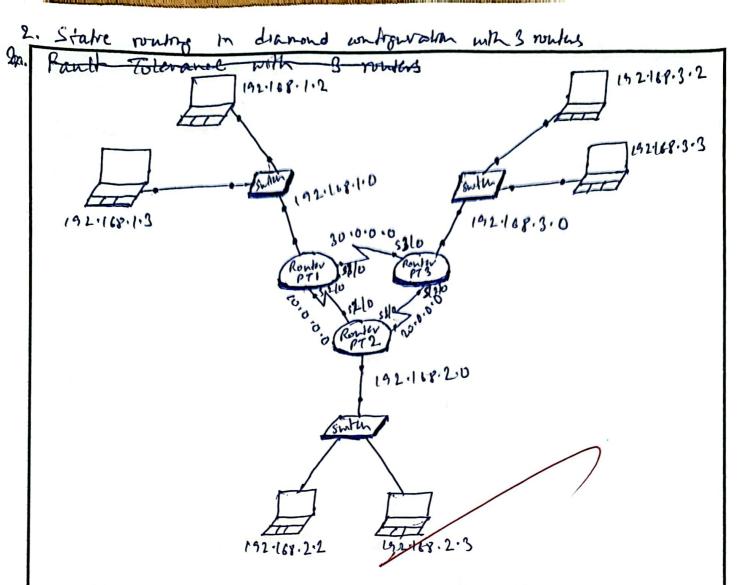
Ronter # sh ip int bri

ou? Method status Interface SP. Address Proposit Yes monnal up wp fast Ethernet 0/0 192-168-1-1 Yes uset adminishing town down Part Ethernet 1/0 unawigned yes mound up Serval 2/0 10,0,0) up Sewal 3/0 Mes west administrating down unautined

Router (contrg) ## ip route 192:168.2.0 255.255.255.0 w.0.0.2
Router (contrg) ## ip route 20:0.0.0 255.0.0.0 w.0.0.2
Router (contrg) ## ip route 20:0.0.0 255.0.0.0 10:0.0.2
Router (contrg) ## ip route 192:168.3.0 255.255.255.0 10:0.0.2

- A NOW wooden we have to change the PCs detailt gateway to Router & PTI's IP-address.
- be set on Router PT2 and Router PT3.
- A Now we can send packets from Router PTI's connected PCS to router PT2 connected PCS.

  At this pmg we will get 25% loss but at last we will get 04. loss.



Three Router PTs are taken and are connected with each other in a eventur way. Then Rowter PT 1 is connected to a switch (2960). The switch is winected with two PCs with BP address 192.168.1.2 and 192.168.1.3.

Same connection is done with Router PT 2 and Router PT 3, the BP addresses at PCs wider Router PT 2 igne 192.168.2.2 and 192.168.23 and the BP address at PC's ander Router PT 3 are 192.168.3.3.

The AP address of PC's ander Router PT 3 are 192.168.3.1.

Now in CLF of Router PTV, we have to set its SP address, mash and other powers wing commands Router of the Rout

Router (config. if) # int f 0/0

Router (config. if) # ip add 192.168.1.1 255.255.255.0

Router (config. if) # no sh

Router (config. if) # ip int \$2/0

Router (config. if) # ip add (0.0.0.1 255.0.0.0

Router (config. if) # int \$3/0

Router (config. if) # ip add 30.0.0.1 255.0.0.0

Router (config. if) # ip add 30.0.0.1

Router (config. if) # no sh

Intertace SP-Dabres OK? Method Status Protocul fait Ethernel 0/0 192.168.1.1 Yes manual up up Serval 2/0 10.0.0.1 Yes manual up toup Serval 3/0 30.0.0.1 Yes named up up

Router # controp to
Router (controp) ## ip mute 192.168.2.0 255.255.255.0 10.0.0.2
Router (controp) ## ip mute 192.168.3.0 255.255.255.0 30.0.0.2

Alow we have to change the PCS detailt gateway
to Router PT 1s \$P-addiess.

> Same settings and CLI Likere to be set on Router p72 and p73 respectively. Now we can send packets from Router PT 1's, connected PCS to router PT 2 or Router PT 3 connected PCS or when versa. At Hort ping we will get 254 71015 but at last we will get DY. 1015