Network Analysis Project

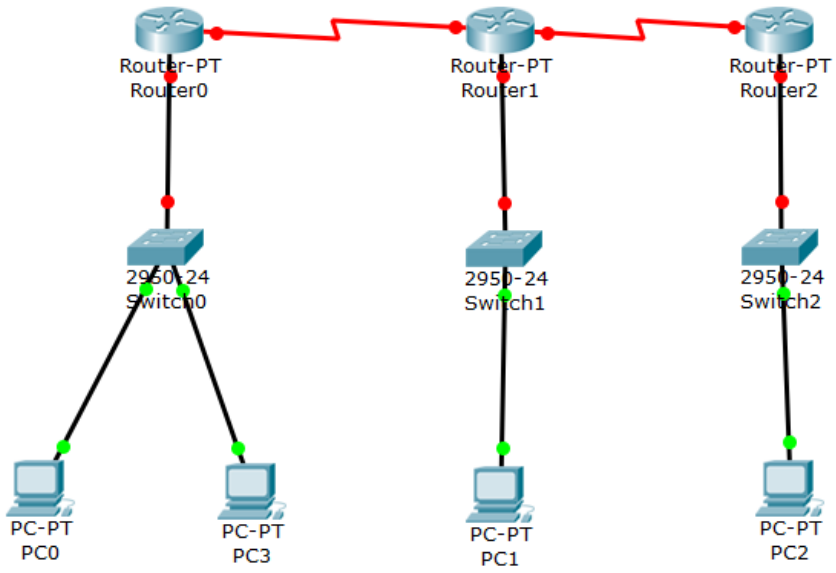
by Saurav Panigrahi

TOPIC-Intra Department College RIP Routing

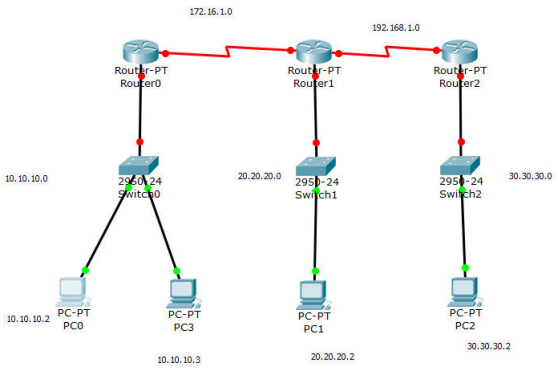
1. We setup the routers.

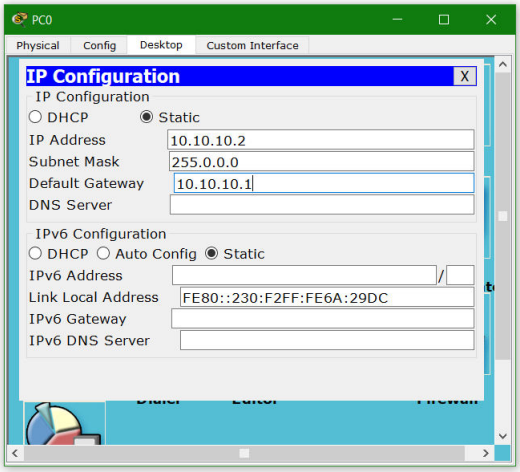
2. Switches and PCs are setup.

3. Establishing all wirings and connections.

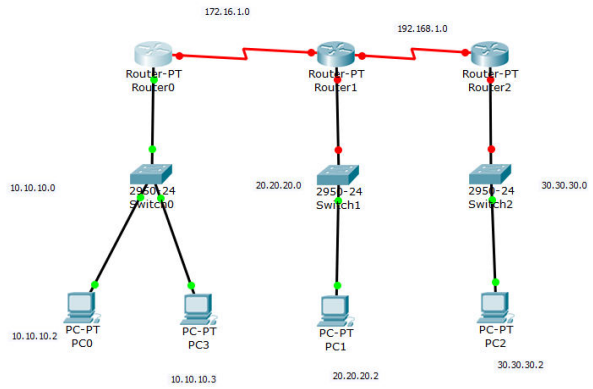


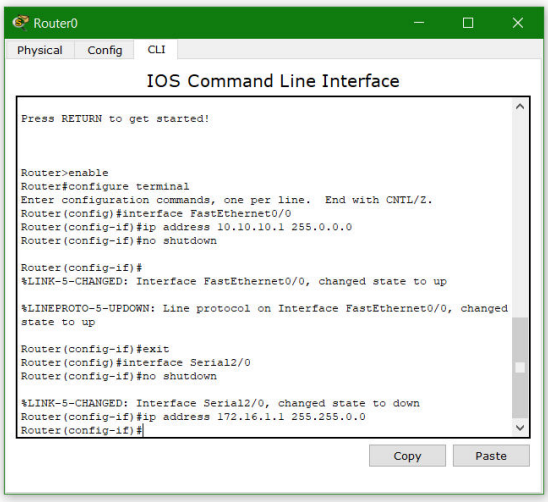
4. Assigning IP addresses to PCs





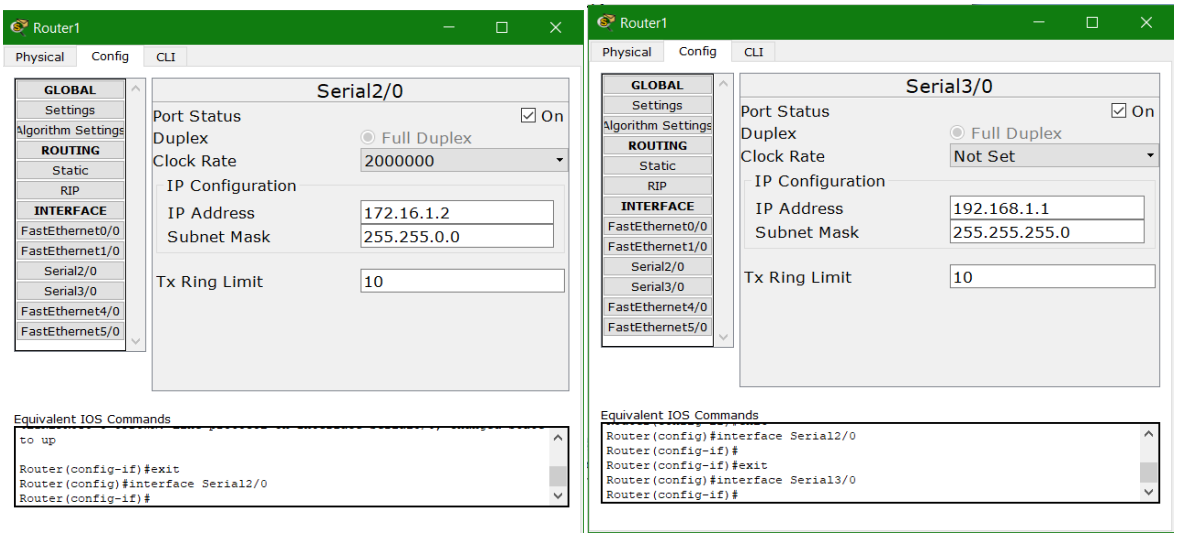
5. Cofiguring the router (All the routers have to be configured)



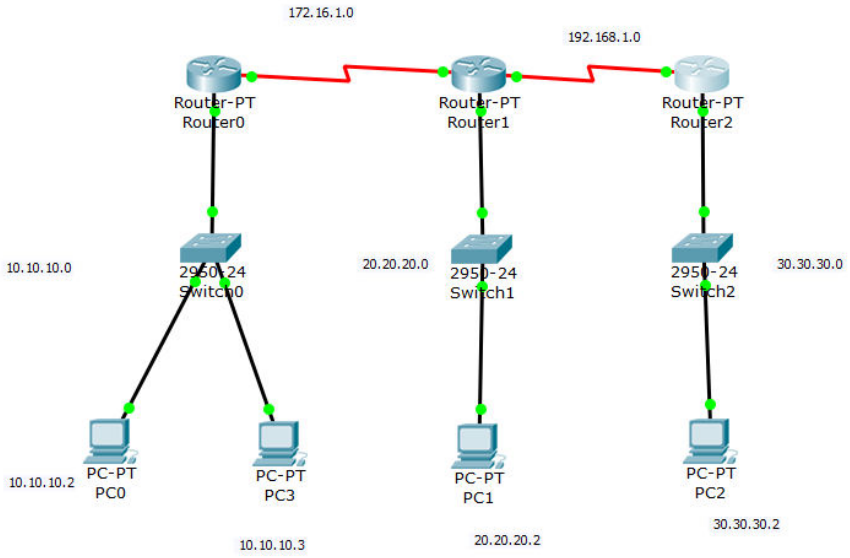



```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 10.10.10.1 255.0.0.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed
state to up

Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Router(config-if)#ip address 172.16.1.1 255.255.0.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface Serial2/0
Router(config-if)#
Router#
```

6. Activating all serial 2/0 and serial 3/0 in middle Router 1

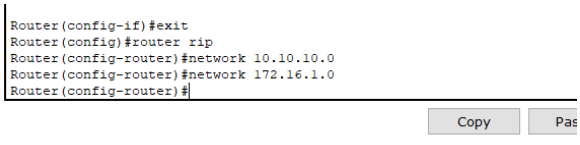


7. Setting up the final connections



8. Setting up RIP routing mode

```
Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 10.10.10.0
Router(config-router)#network 172.16.1.0
Router(config-router)#
```



9. All the routers have to assigned the network address as well as RIP routing type.

10. Verifying the connections using MESSAGE packets