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05-Nov-2020

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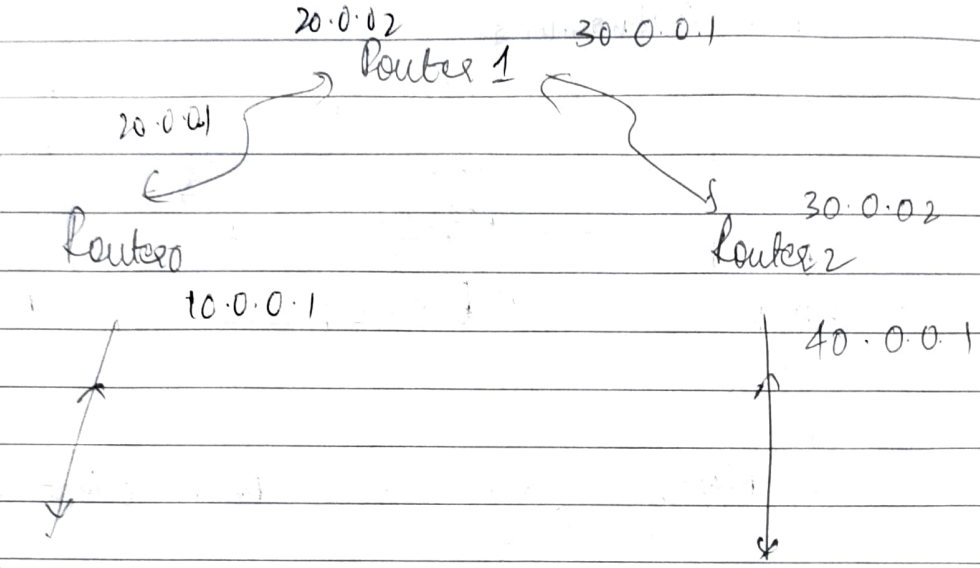
Lab-6

6. Configuring RIP routing protocal in Routers.

S/. 1. Create topology.



PC0

IP:- 10.0.0.10

gateway: 10.0.0.1

PC1

IP:- 40.0.0.10

gateway:- 40.0.0.1

2. Set gateway & IP addus to each device and router.

3. Configure router using rip:- This is for R0

```
R0(config)# router rip
R0(config-router)# network 10.0.0.0
R0(config-router)# network 20.0.0.0
R0(config-router)# exit
```

```
R0(config)# interface serial 2/0
R0(config)# encapsulation PPP
R0(config)# clock rate 64000 exit
```

int interface serial 2/0
encapsulation PPP
exit
router rip
network 20.0.0.0
network 30.0.0.0
exit

These commands configures router 0, 1 using routing information protocol.

Similarly, use these commands for router 1 and router 2 for configuring

* with networks as 20.0.0.0 and 30.0.0.0 for router 1
* with networks as 30.0.0.0 and 40.0.0.0 for router 2.

4. Once the configuration is done, the packet is ready to send.

i.e., ping PC1 from PC 0

ping 40.0.0.10 which sends a packet from PC0 to PC1.

⇒ We use R0(config-router)#version 2 for configuring router by specifying the type routing information protocol to be used while configuring.

RIP version 2 is classless protocol which supports variable-length subnet masking.

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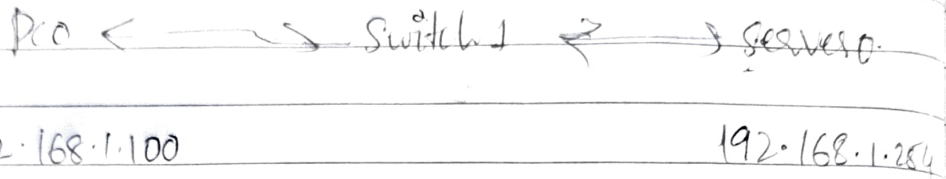
7 Demonstration of WEB server and DNS using packet tracer.

Sol. 1 Create a topology :-



2. Set the IP address for PC and server as mentioned.

3. set the DNS server configuration in PC0 config setting

4. Enable DNS service in server → services.

5. Web browse from PC0 using the server IP address assigned which shows the search for the partical IP address.
PC → Desktop → Web Browser → "Enter url".

6. We can add and edit the web server pages by

Server → services → DNS

Add the domain name and click 'ADD'.

7. Then we can web browse from PC0 using the newly added domain

8. we can change the files of the pinged ~~address~~ address by.

Server → Services → HTTP

- There we can change / edit / delete the domain and files.

9. Hence, the necessary web server demonstration.