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LAB-6

1) Demonstration of WEB server and DNS using packet traces:

topology:



1. Set the IP addresses for PC & server
2. Set the DNS Service Configuration in PC0 config setting
3. Enable DNS service in server → services
4. Web Browser from PC0 using the server IP address assigned which shows the search for the partial IP address.

PC → Desktop → Web Browser → "Enter URL"

5. We can add & edit the server page by
server → services → DNS
6. Then we can browse from PC0 using newly added Domain.
7. By going: server → services → HTTP we can edit and add files.

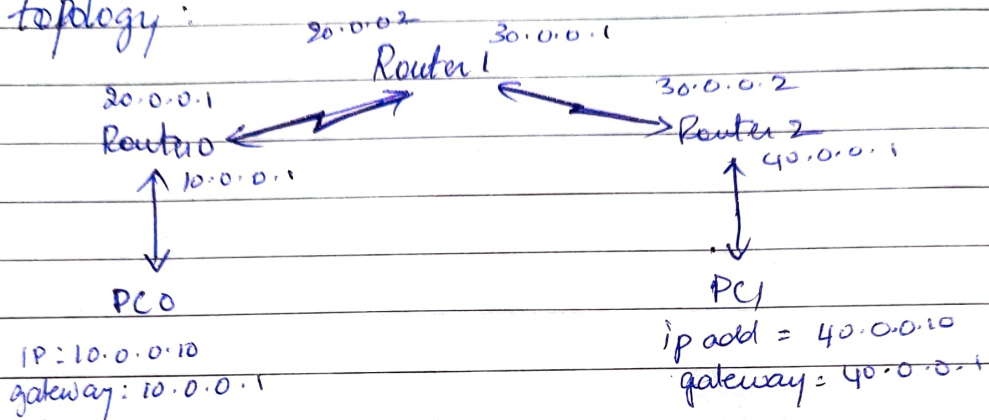
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LAB - 6

2) Configuring RIP routing protocol in routers

topology:



1. ~~Conf~~ RIP protocol collects information of other routers from their neighbours.

2. Configure router using RIP:

```
R0: #interface serial 2/0
    # encapsulation ppp
    # clock rate 64000
    # exit
```

```
#router rip
# network 10.0.0.0
# network 20.0.0.0
# exit
```

3. R1: #interface serial 2/0

```
# encapsulation ppp
# exit
```

```
#router rip
# network 20.0.0.0
```

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Date	
Page	

#network 30.0.0.0

#exit

Do same for R1 & R2 with networks

→ 20.0.0.0, 30.0.0.0 for R1

→ 30.0.0.0, 40.0.0.0 for R2

4. Once config is done, the packets ~~ready~~ are ready to send:

i.e. : ping PC1 from PC0

ping 40.0.0.10

Note: R0(Config-router)# version 2 for configuring router by specifying the type routing information protocol.

5. In such a protocol the router will know about other routers through in neighbouring routers that are connected directly.