

LAB 5

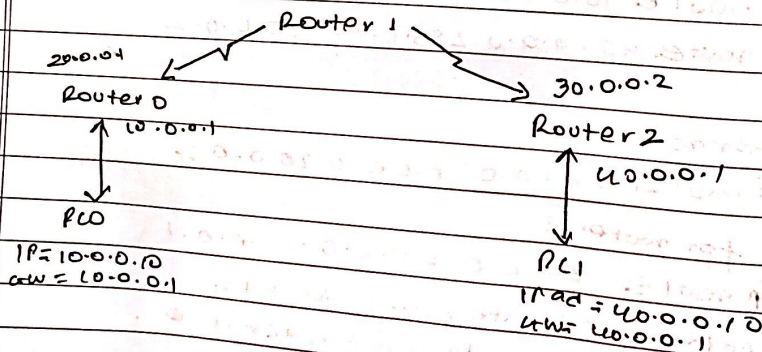
1) Demonstration of web server & DNS using packet tracer

Topology



1. Set the IP address for PC server
2. Set the DNS server configuration in PLO config settings
3. enable DNS service in server → services
4. web Browser from PLO using the server IP address assigned which shows the search for the particular IP address  
PC → Real top → web browser → "enter URL"
5. we can add by add the server page by server → services → DNS
6. then we can browse from PLO why newly added Domain
7. By going : server → services → HTTP we can edit & add files.

2. Configuring RIP routing protocol in router topology:



- 1 RIP protocol collects information of other router 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 10.0.0.0
# exit
```
- 3 R1: #interface serial 2/0

```
# encapsulation ppp
# exit
# router rip
# network 20.0.0.0
# network 30.0.0.0
# exit
```

do same for R1 & R2 with network  
→ 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 are ready to send.  
ie ping R1 from R0  
ping 40.0.0.10

Not-e: 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 router through in neighboring router that are connected directly.