INFOTC 3001 - Computer Network Security
Laboratory # 2 - Static Route Configuration (version2)

I. Objectives

Enabling a network topology by using *Static Route configuration*.

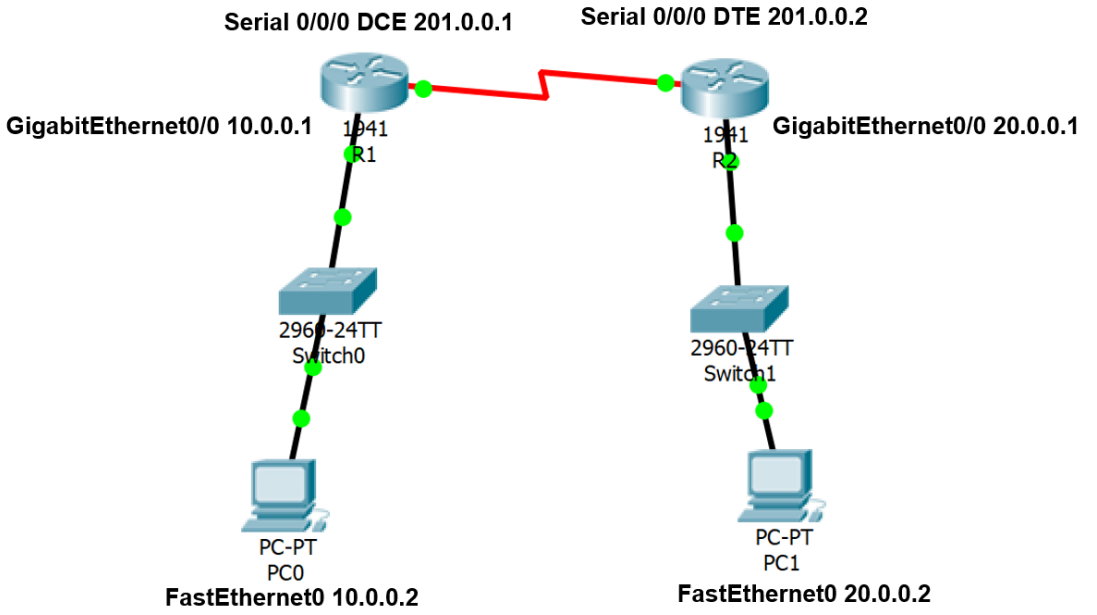
II. Material Required

Packet Tracer for Windows/Linux - https://www.netacad.com

III. Activity

A. On Packet Tracer design the following Network diagram.

Network diagram



B. In the user mode of R1 and R2 (i.e. R1> and R2>) execute the command below:
   i. R1> show ip route
   ii. R2> show ip route

   You will use this output for comparison purposes with “IV Review Questions. #5”

C. Configure any necessary *static route* on the routers to allow communication between PC0 and PC1 and vice versa.

D. You will also need to configure PC0 and PC1 to allow communication.

IV. Review Questions

1. Include a screenshot of PC0 command prompt executing ‘ipconfig’ command and ‘ping’ command, with packets successfully reaching PC1.
2. Include a screenshot of PC1 command prompt executing ‘ipconfig’ command and ‘ping’ command, with packets successfully reaching PC0.
3. In the privilege mode of R1 (i.e. R1#) execute the command below:

   R1# show running-config

   Include the whole output to your report. What information can you find there?
4. In the privilege mode of R2 (i.e. R2#) execute the command below:

   R2# show running-config

   Include the whole output to your report. What information can you find there?
5. In the user mode of R1 and R2 (i.e. R1> and R2>) execute the command below:

   R1> show ip route

   R2> show ip route

   What information can you find there? Describe each output separately and include how you obtained information from the output. Include ***two*** screenshots.

Grading Outline

1 - 20 pts
2 - 20 pts
3 - 15 pts
4 - 15 pts
5 - 30 pts

Total - 100 pts