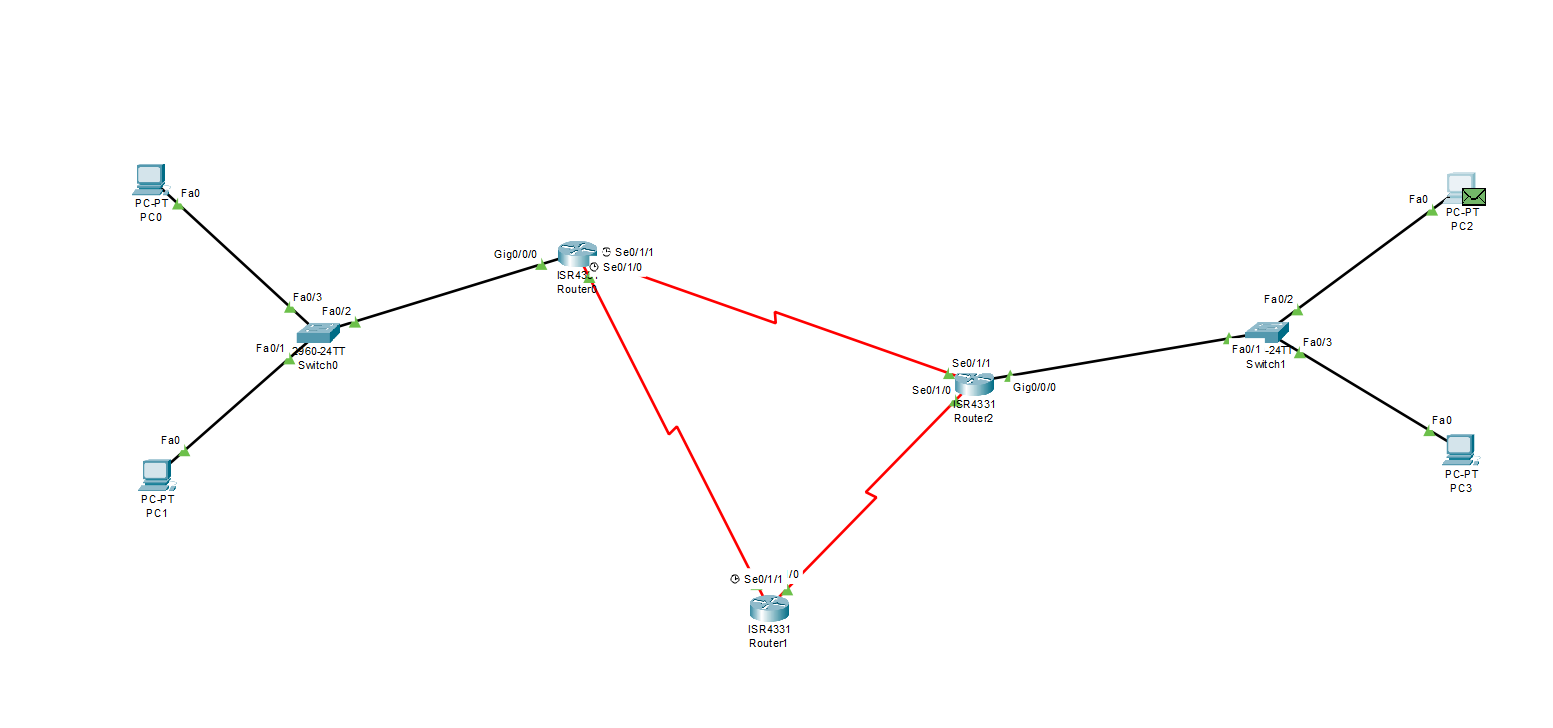
**DATA COMMUNICATION AND NETWORKS**

**LAB 5**

|  |  |
| --- | --- |
| NAME | Aaradhya Bhatiya |
| SAP | 500108359 |
| BATCH | B2 |

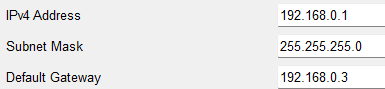
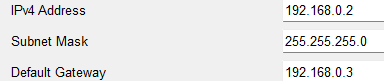
**SETUP:**



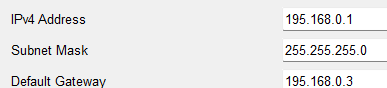
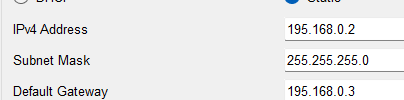
* THIS SETUP HAS
* 3 ROUTERS
* 2 SWITCHES
* 4 DEVICES
* TOTAL NERWORKS: 5

1. **IP OF RESPECTIVE DEVICES**

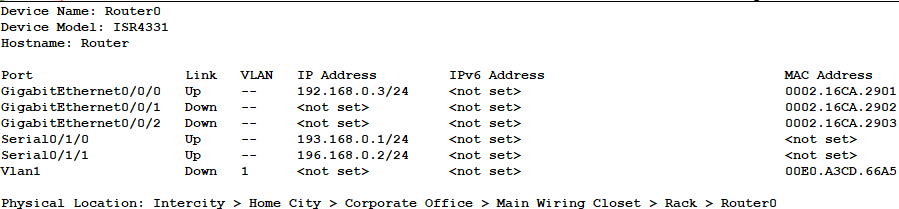
Of left network

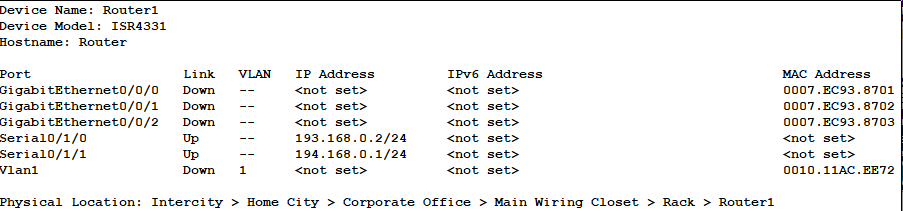
 

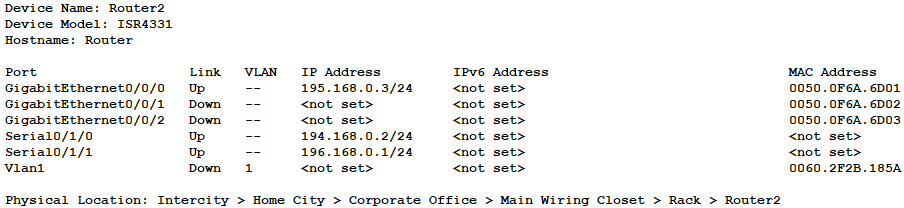
Of right network

1. **CONFIGURATION COMMANDS OF THE THREE ROUTERS**

R0:

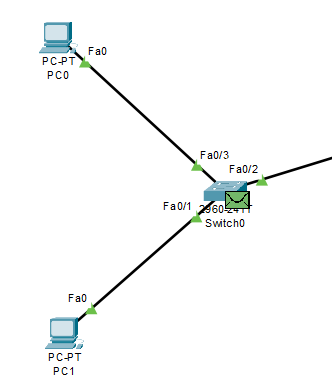
R1:

R2:

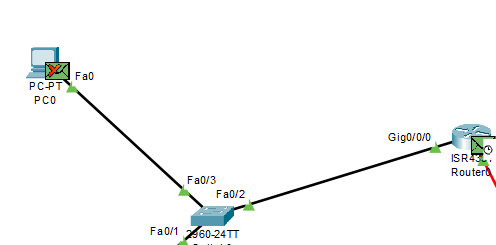
1. **THE REAL TIME MESSAGE SENDING PROCESS**

FROM PC1 TO PC1

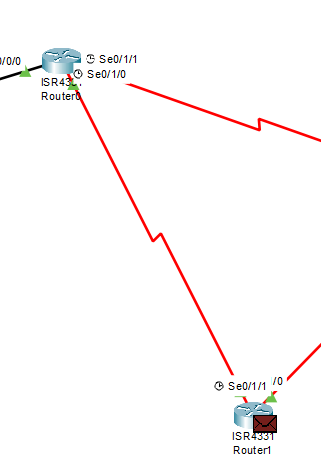
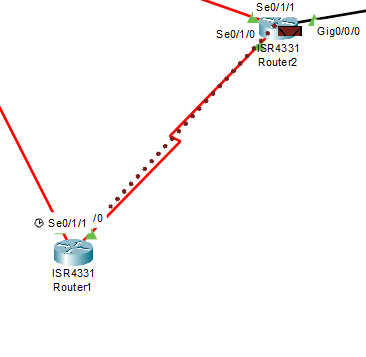
STEP1: FROM DEVICE TO SWITCH



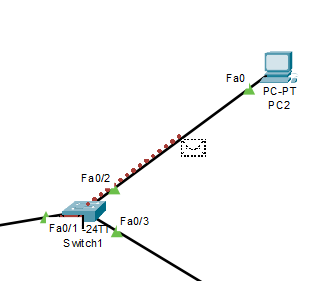
STEP2: FROM SWITCH TO ROUTER-0

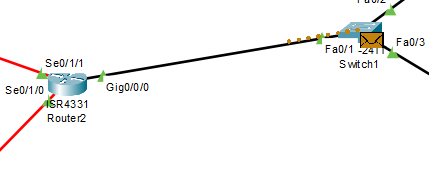


STEP 3: FROM ROUTER-0 TO ROUTER-1 AND ROUTER-1 TO ROUTER-2

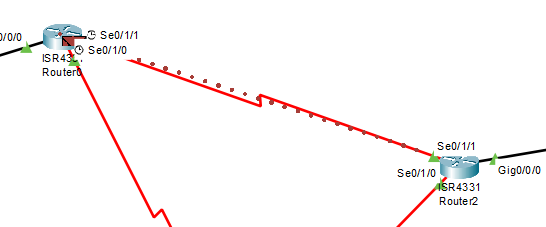
STEP 4: FROM ROUTER-2 TO SWITCH AND THEN SWITCH TO DEVICES





NOW THE MESSAGE WILL TRACE BACK TO THE SWICH AND PASS THROUGH

FROM ROUTER-2 TO DIRECTLY ROUTER-0 INSTEAD OF GOING TO ROUTER-1



Final status:

