

## WEEK 10

Demonstrate the TTL/ Life of a Packet.

OBSERVATION:

WEEK-8.

Date: 10/8/2023  
Page: \_\_\_\_\_

Demonstrate the TTL/ life of a packet.

Aim:- Demonstrating the TTL

Topology:-

```
graph LR
    R0((Router 0)) ---|20.0.0.10| R1((Router 1))
    R1 ---|30.0.0.10| R2((Router 2))
    PC0[PC 10.0.0.1] --- R0
    PC2[PC 40.0.0.1] --- R2
```

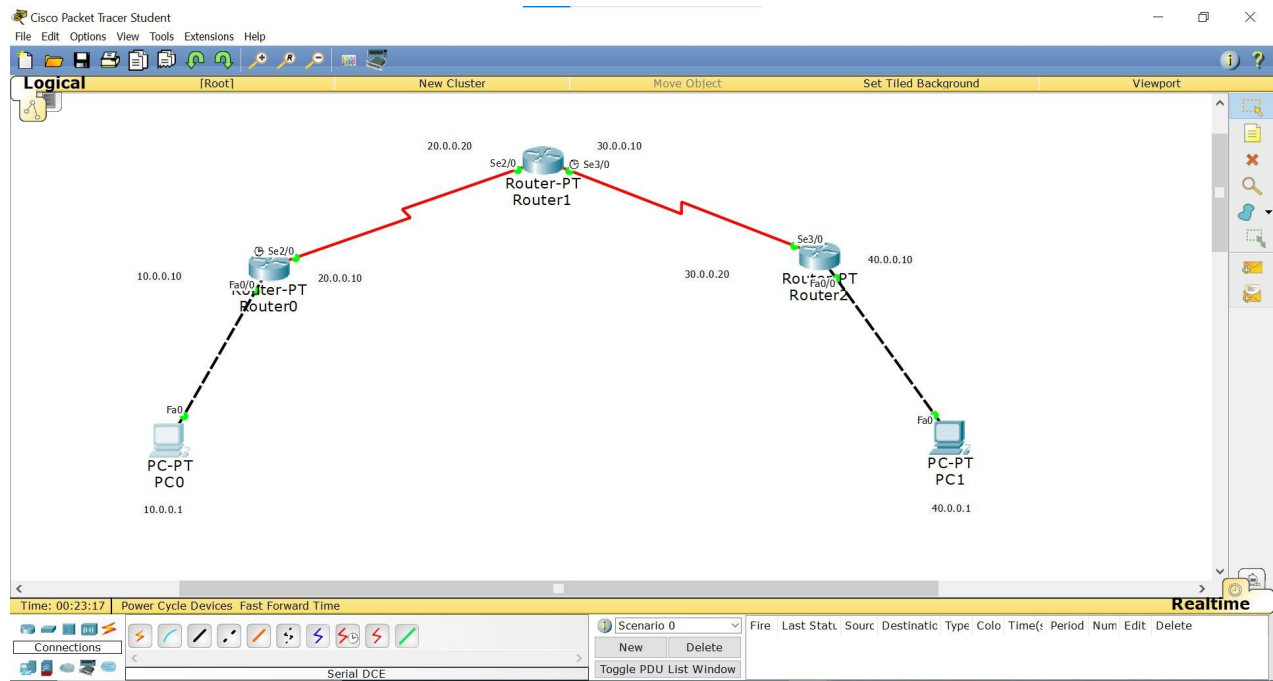
PROCEDURE

- Create a topology as seen above.
- Configure the device as per static/default/dynamic routing. (Same as LAB 8)
- In the simulation mode, send a simple PDU from one PC to another.
- Use capture button to capture every transfer.
- Click on the PDU during every transfer to see the inbound and outbound PDU details.
- Observe that there is a difference of 1 in TTL when it crosses every router.

Observation:-

Difference of 1 in TTL when the PDU crosses every router.

## TOPOLOGY:



## OUTPUT:

