<u>Aim-10</u>

10. Demonstrate the TTL/ Life of a Packet

Topology:

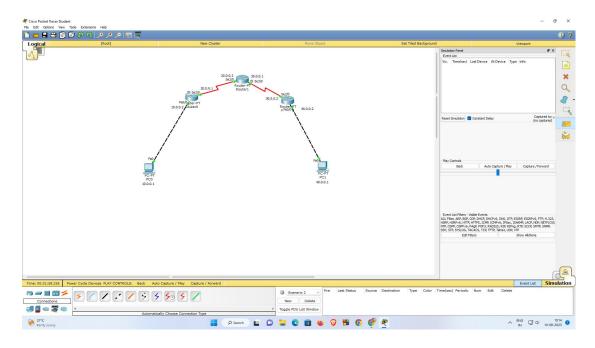
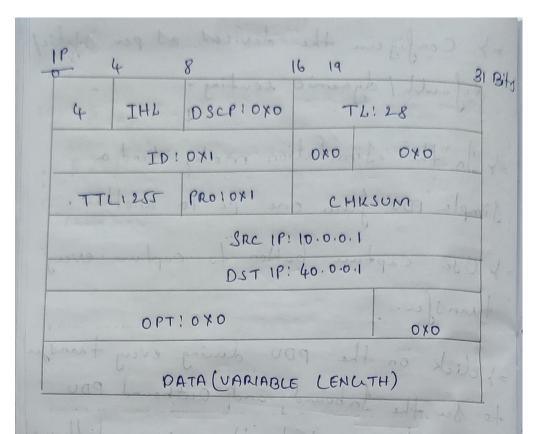


Fig 1: Topology

Procedure and Observation:

10/108/23 Aim-10 :00iderabdo
10) Demonstrate the TTL/Life of a
Topology 30.0.0.1 20.0.0.2 30.0.0.1 30.0.0.2 30.0.0.2
Routu 2 10.0.0.7
Edparent france. The process of stolong transfer
10.0.0.1 40.0.0.1 Procedure
=> Create a topology of 2 pc/s and 3 routus.
default gateway of the PCX.

of Configure the devices as per staticy default / dynamic couting. of In the Simulation mode, send a simple pou from one pe to another. I Ude capture button to capture every transfer. as dick on the PDU duing every transfu to be the Inbound and Outbound PDU details abserve that there is a difference of I in TTL when it Crosses every router. output 2x2340 Harris 8x0 39VI of Initially when a paclet (PDU) is Sent from pc1 to pc0 (when it is at pc0 with the aeknowledgement). The PDU information at Device pco (Hunt 4 (headur) PREAMBLE DEST MAC: SRC MAC! 101010 1011 000 C: 8586: DAOL 000A: F363:7764 DATA (VARIABLE LENGTH) FCS TYPE: OXO 04800

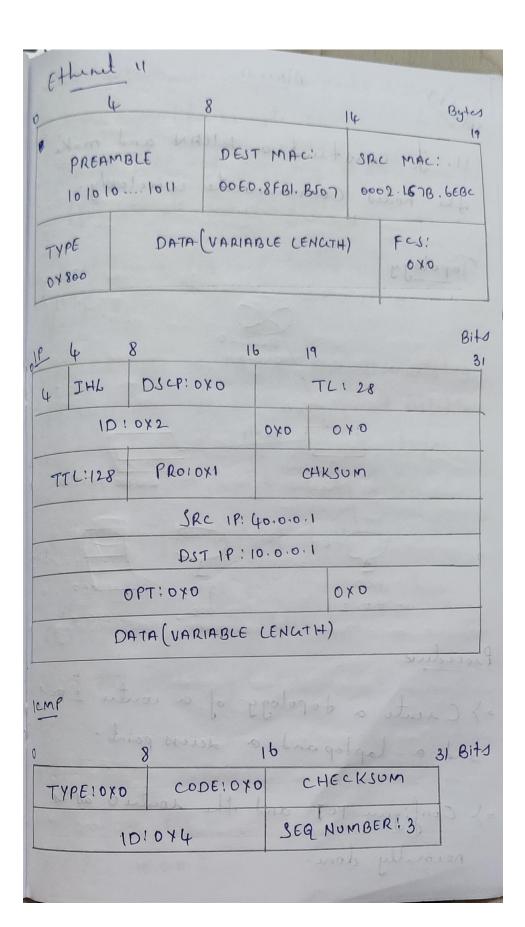


TYPE: 0x8 CODE: 0x0 CHECKSUM

1D: 0x2 SEQ NUMBER:

-> when the PDU has been teat readed

Successfully pc1 ash the PDU inform- ation at Device pc1 is as Jollows.



Output:

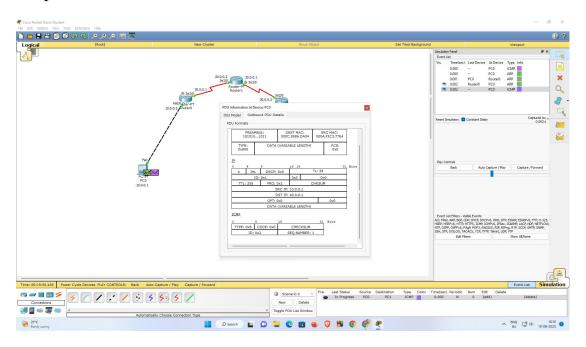


Fig 2: PDU information at device pco

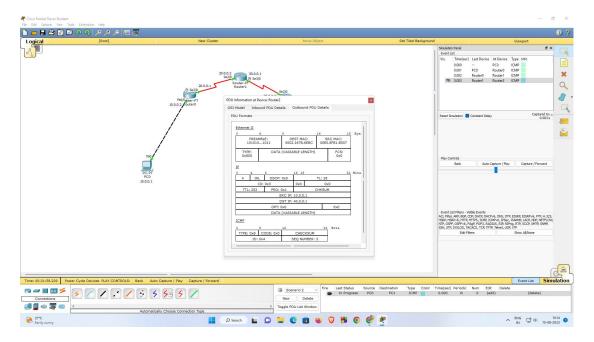


Fig 3: PDU information at device router2

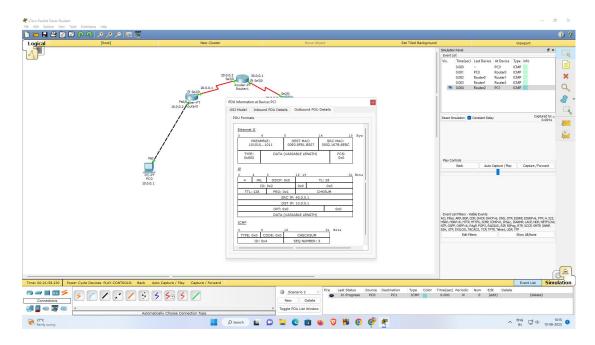


Fig 4: PDU information at device pc1