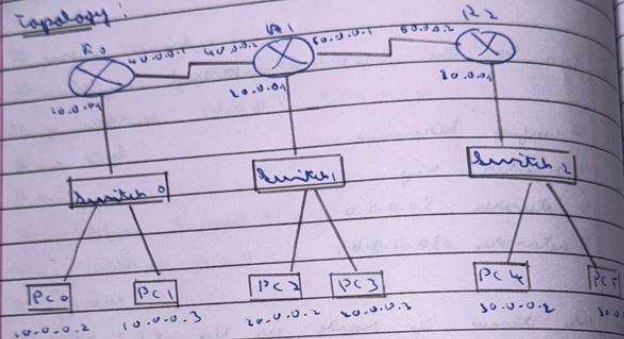


Aim:
Demonstrate the TTL life of a Packet

Device used:
Router, Switch, cable and server

Topology:



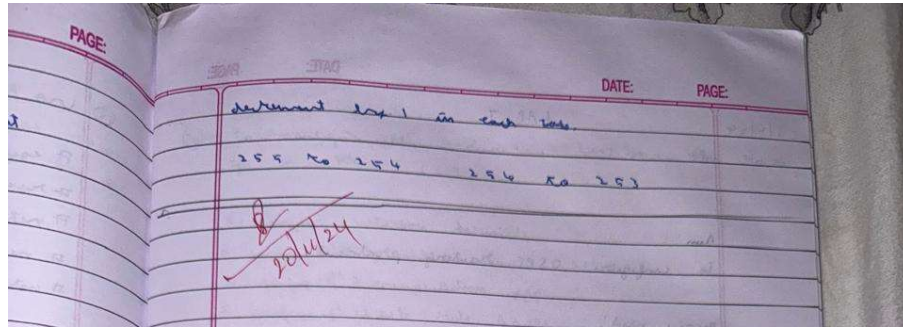
Procedure:

- ① Go to simulation
- ② select single PDU and transfer it from PC to another.
- ③ Packet is from PC0 to PC3
- ④ when the capture is finished both input and output TTL values are 255 and packet's change
- ⑤ when the transfer from switch to switch or router to router or router to switch the TTL input and output also will

statement 1

255 to

20/4/20



PDU Information at Device: Router0

OSI Model Inbound PDU Details Outbound PDU Details

At Device: Router0
Source: PC0
Destination: PC3

In Layers

Layer7
Layer6
Layer5
Layer4
Layer 3: IP Header Src. IP: 10.0.0.2, Dest. IP: 20.0.0.3 ICMP Message Type: 8
Layer 2: Ethernet II Header 000A.41E3.E33A >> 0010.11A0.4697
Layer 1: Port FastEthernet0/0

Out Layers

Layer7
Layer6
Layer5
Layer4
Layer 3: IP Header Src. IP: 10.0.0.2, Dest. IP: 20.0.0.3 ICMP Message Type: 8
Layer 2: HDLC Frame HDLC
Layer 1: Port(s): Serial2/0

1. FastEthernet0/0 receives the frame.

Challenge Me << Previous Layer Next Layer >>

