

## WEEK 10

Demonstrate the TTL/ Life of a Packet.

OBSERVATION:

Aim:- To demonstrate the TTL/ Life of Packet

Topology

Procedure

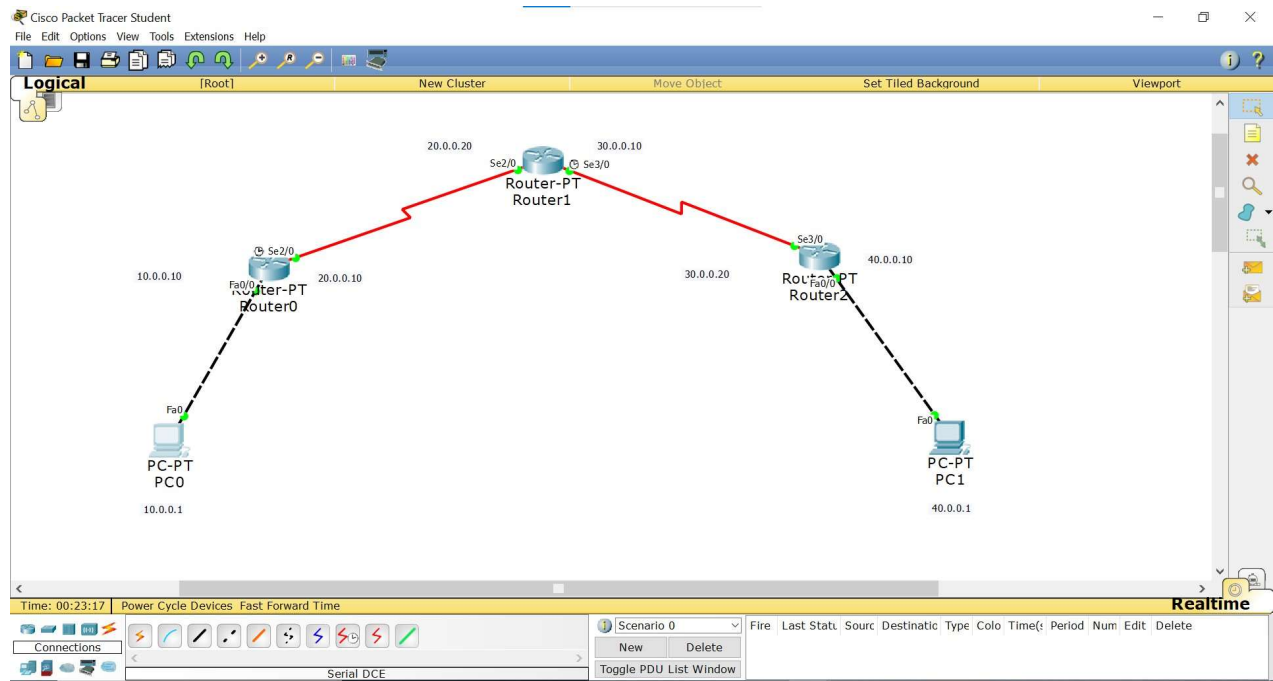
- Create the above topology
- Go to simulator node, select packet & send message for probing
- Click on Capture button each time & check the packet header
- Each time when capture is checked you can observe simulation of packet for evidence to offer
- Click on packet each time & observe header file for TTL

Output

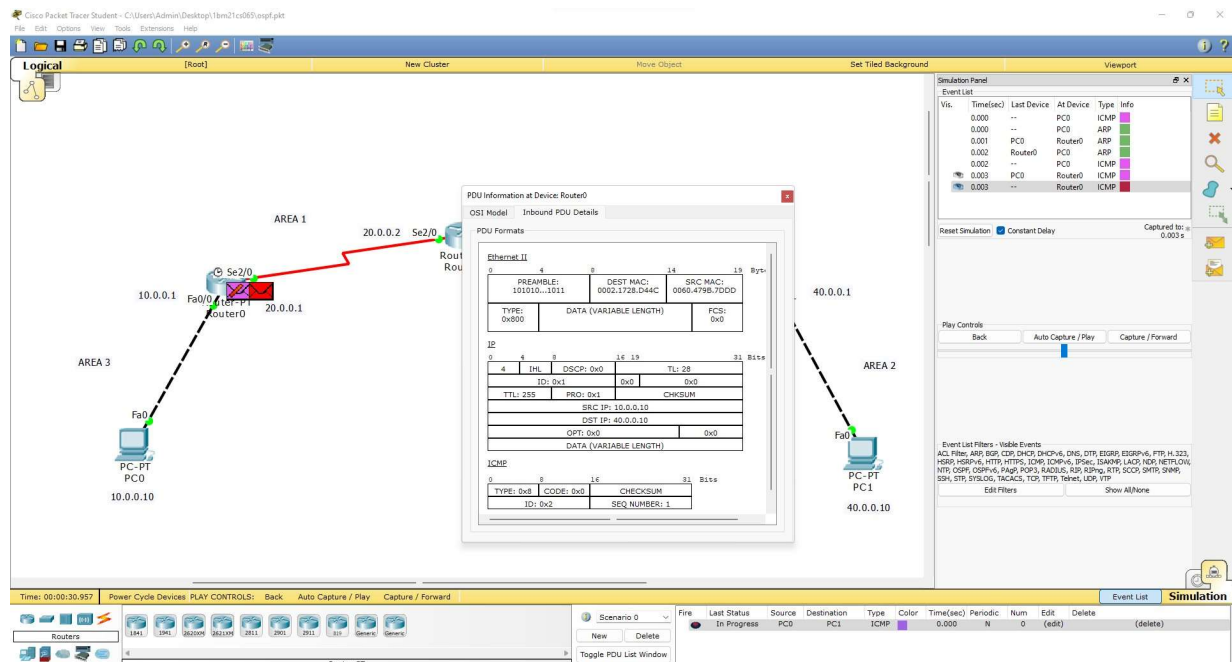
IP 1		8		16 19		31	
h	TTL	DSCP: 0x0		TL: 28			
IP: 0x1				0x0	0x0		
TTL: 252		PRO 021		(Header)			
SRC IP: 10.0.0.1							
DST IP: 10.0.0.1							
OPT: 0x0						0x0	
DATA (VARIABLE LENGTH)							

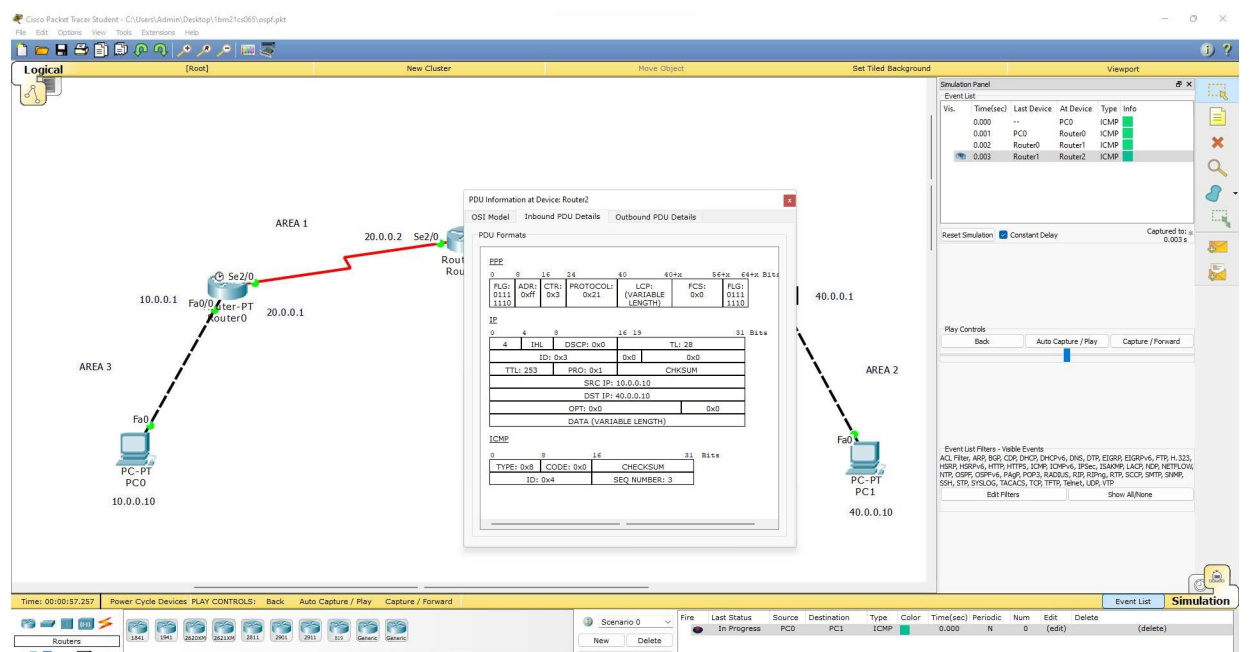


# TOPOLOGY:



# OUTPUT:





Cisco Packet Tracer Student - C:\Users\Admin\Desktop\1bm21c065\ospf.pkt

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

AREA 1  
20.0.0.2  
20.0.0.1  
20.0.0.1

AREA 3  
10.0.0.1  
10.0.0.10

PC-PT PC0

Router0

PC-PT PC1

40.0.0.1  
40.0.0.10

PDU Information at Device: PC1

OSI Model Inbound PDU Details Outbound PDU Details

PDU Formats

Ethernet II

PREAMBLE:		DEST MAC:		SRC MAC:	
101010...1011		0060.4789.AB50		0009.7C28.C636	
TYPE: 0x000		DATA (VARIABLE LENGTH)		FCS: 0x0	

IP

ID: 0x3		TTL: 255	
SRC IP: 10.0.0.10		DST IP: 40.0.0.10	
OPT: 0x0		DATA (VARIABLE LENGTH)	

ICMP

ID: 0x4		CHECKSUM	
TYPE: 0x8		CODE: 0x0	
SEQ NUMBER: 3			

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type	Info
	0.000	-	PC0	ICMP	
	0.001	PC0	Router0	ICMP	
	0.002	Router0	Router1	ICMP	
	0.003	Router1	Router2	ICMP	
	0.004	Router2	PC1	ICMP	

Reset Simulation Constant Delay Captured to: 8,004s

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters - Visible Events

ACL, Filter, ARP, BGP, CDP, DHCP, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, IGMPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, LACP, NTP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RDP, RDPing, RDP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP

Edit Filters Show All/None

Time: 00:00:37.228 Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward

Scenario 0

New Delete

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	In Progress	PC0	PC1	ICMP		0.000	N	0	(edit)	(delete)