LAB 10

Demonstrate the TTL/ Life of a Packet.

TOPOLOGY:
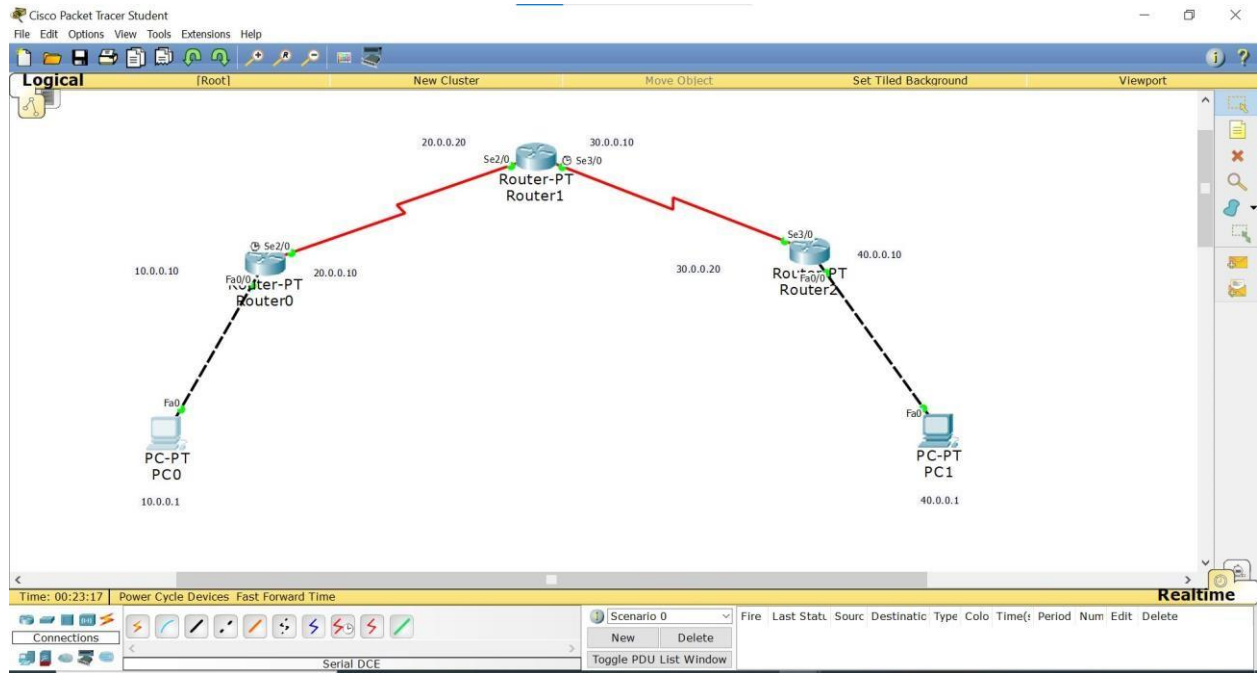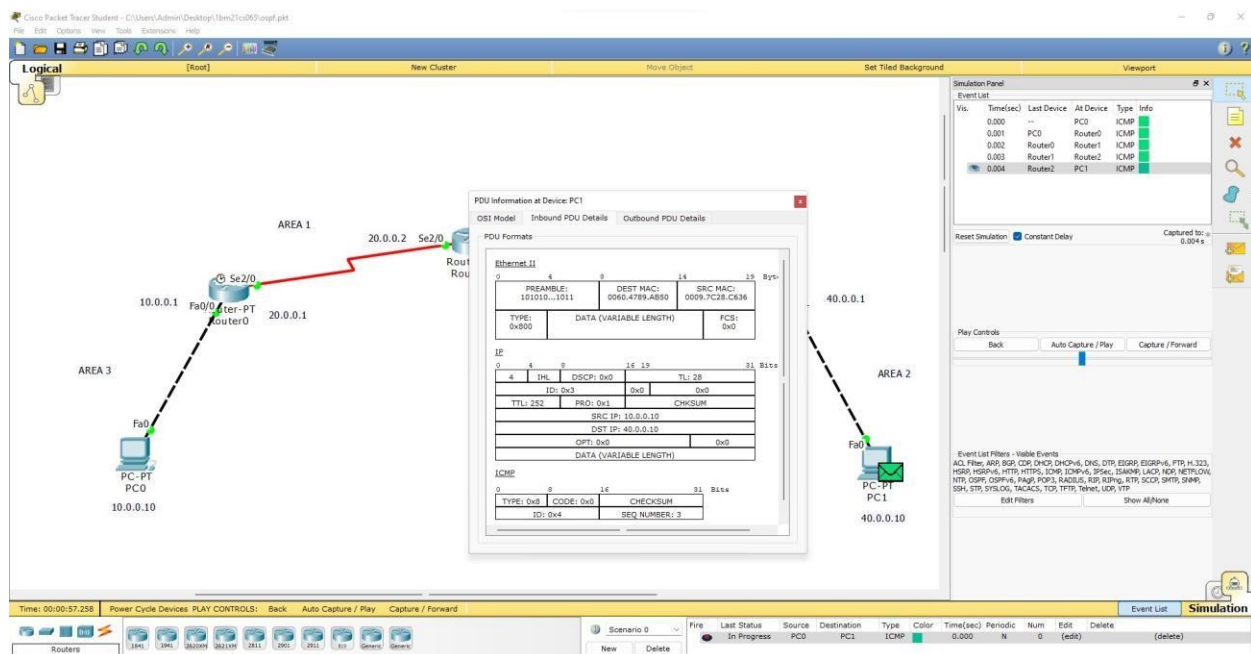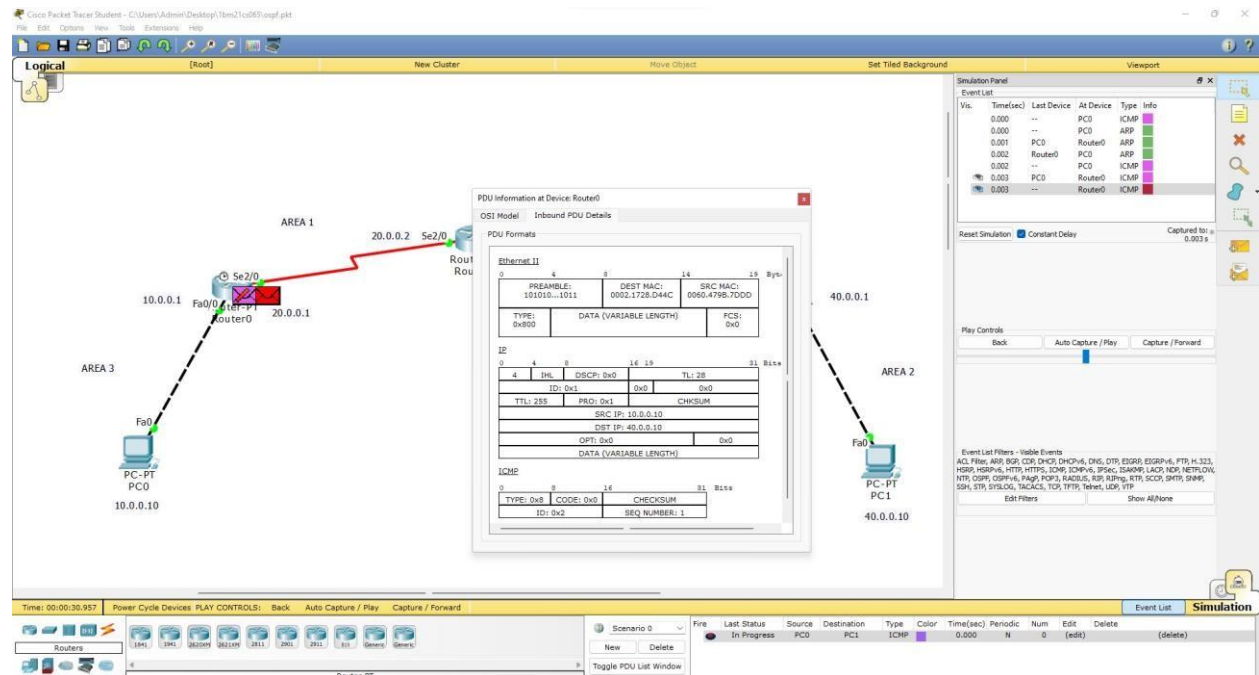
File Edit Options View Tools Extensions Help

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

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	

Reset Simulation ☑ Constant Delay   Captured to: 0.002 s

AREA 1

20.0.0.2 Se2/0

Rou
Rou

Se2/0

10.0.0.1 Fa0/0 ter-PT   20.0.0.1
Router0

40.0.0.1

AREA 3

AREA 2

Fa0

Fa0

PC-PT
PC0

PC-PT
PC1

10.0.0.10

40.0.0.10

PDU Information at Device: Router1

OSI Model   Inbound PDU Details   Outbound PDU Details

PDU Formats

PPP

0	8	16	24	40	40+x	56+x	64+x Bits
FLG: 0111 1110	ADR: 0xff	CTR: 0x3	PROTOCOL: 0x21	LCP: (VARIABLE LENGTH)		FCS: 0x0	FLG: 0111 1110

IP

0	4	8	16	19		31 Bits
4	IHL	DSCP: 0x0		TL: 28		
	ID: 0x3		0x0		0x0	
TTL: 254		PRO: 0x1		CHKSUM		
SRC IP: 10.0.0.10						
DST IP: 40.0.0.10						
OPT: 0x0				0x0		
DATA (VARIABLE LENGTH)						

ICMP

0	8	16		31 Bits
TYPE: 0x8	CODE: 0x0	CHECKSUM		
	ID: 0x4	SEQ NUMBER: 3		

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, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP

Edit Filters   Show All/None

Time: 00:00:57.256   Power Cycle Devices PLAY CONTROLS: Back   Auto Capture / Play   Capture / Forward   Event List   **Simulation**

Routers   1841 1941 2620XM 2621XM 2811 2901 2911 Ist Generic Generic

Scenario 0 ▾

New   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)

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	

Reset Simulation ☑ Constant Delay   Captured to: 0.003 s

AREA 1

20.0.0.2 Se2/0

Rou
Rou

Se2/0

10.0.0.1 Fa0/0 ter-PT   20.0.0.1
Router0

40.0.0.1

AREA 3

AREA 2

Fa0

Fa0

PC-PT
PC0

PC-PT
PC1

10.0.0.10

40.0.0.10

PDU Information at Device: Router2

OSI Model   Inbound PDU Details   Outbound PDU Details

PDU Formats

PPP

0	8	16	24	40	40+x	56+x	64+x Bits
FLG: 0111 1110	ADR: 0xff	CTR: 0x3	PROTOCOL: 0x21	LCP: (VARIABLE LENGTH)		FCS: 0x0	FLG: 0111 1110

IP

0	4	8	16	19		31 Bits
4	IHL	DSCP: 0x0		TL: 28		
	ID: 0x3		0x0		0x0	
TTL: 253		PRO: 0x1		CHKSUM		
SRC IP: 10.0.0.10						
DST IP: 40.0.0.10						
OPT: 0x0				0x0		
DATA (VARIABLE LENGTH)						

ICMP

0	8	16		31 Bits
TYPE: 0x8	CODE: 0x0	CHECKSUM		
	ID: 0x4	SEQ NUMBER: 3		

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, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP

Edit Filters   Show All/None

Time: 00:00:57.257   Power Cycle Devices PLAY CONTROLS: Back   Auto Capture / Play   Capture / Forward   Event List   **Simulation**

Routers   1841 1941 2620XM 2621XM 2811 2901 2911 Ist Generic Generic

Scenario 0 ▾

New   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)