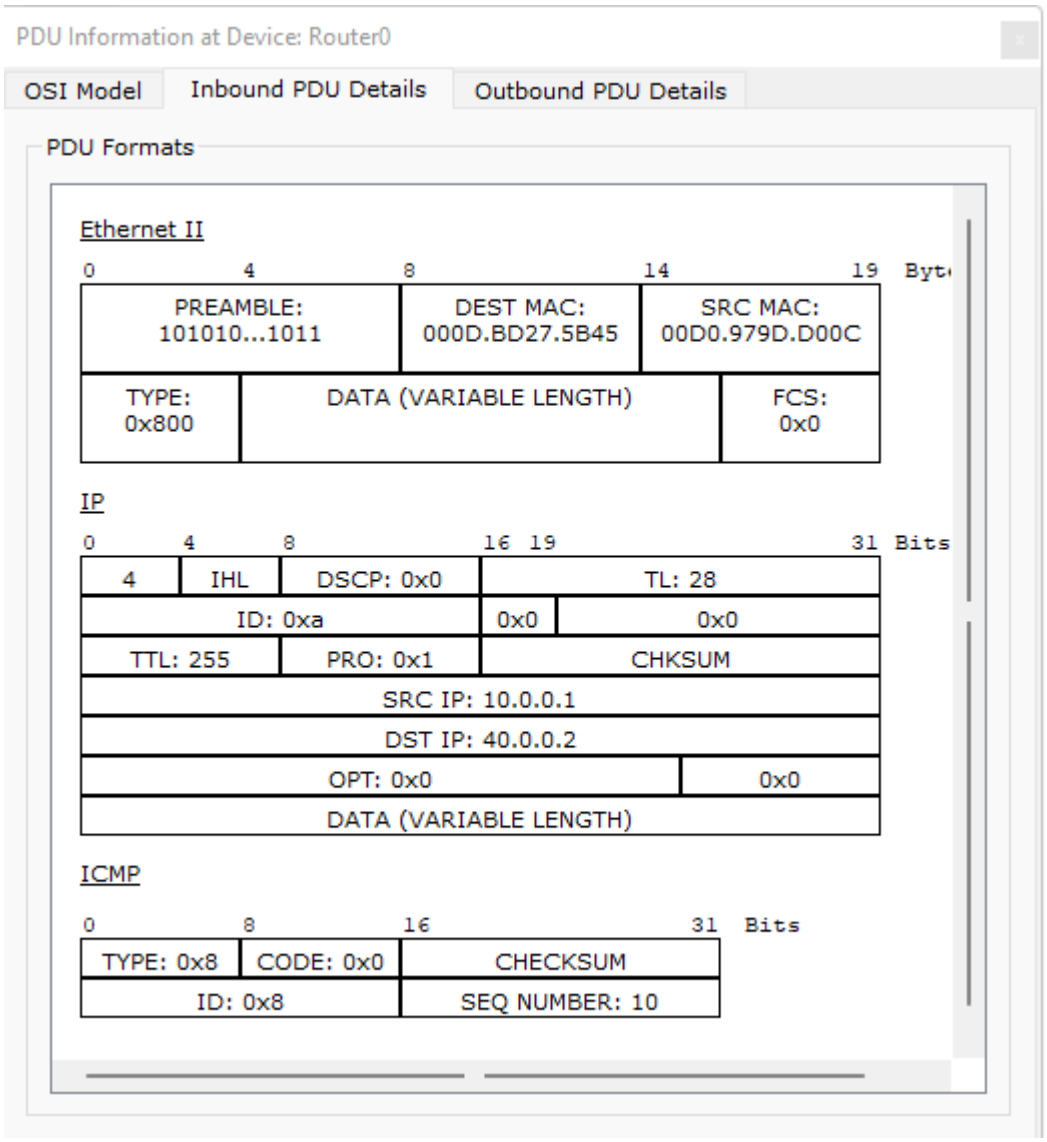
EXPERIMENT: 6

AIM: Demonstrate the TTL/ Life of a Packet

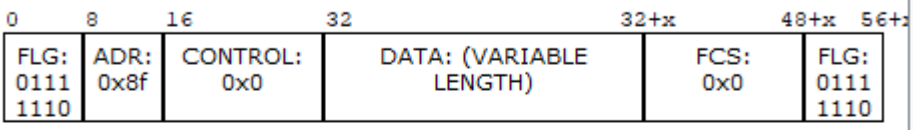


PDU Information at Device: Router0

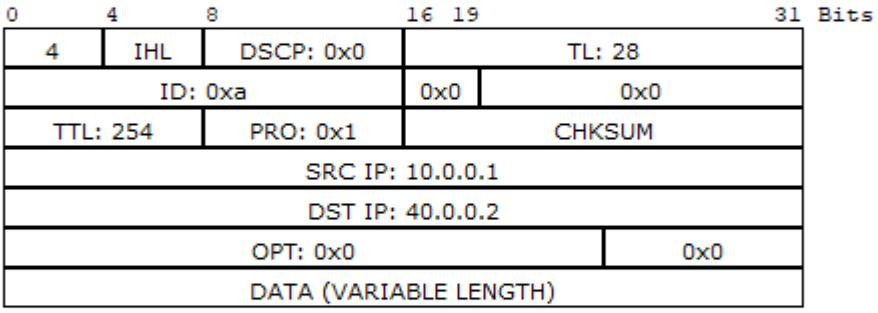
OSI Model | Inbound PDU Details | Outbound PDU Details

PDU Formats

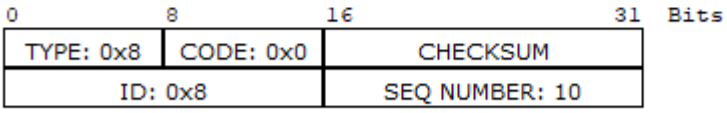
HDLC



IP



ICMP



PDU Information at Device: Router1

OSI Model | Inbound PDU Details | Outbound PDU Details

PDU Formats

HDLC

0	8	16	32	32+x	48+x	56+x
FLG: 0111 1110	ADR: 0x8f	CONTROL: 0x0	DATA: (VARIABLE LENGTH)	FCS: 0x0	FLG: 0111 1110	

IP

0	4	8	16	19	31 Bits
4	IHL	DSCP: 0x0	TL: 28		
ID: 0xe			0x0	0x0	
TTL: 254		PRO: 0x1	CHKSUM		
SRC IP: 10.0.0.1					
DST IP: 40.0.0.2					
OPT: 0x0				0x0	
DATA (VARIABLE LENGTH)					

ICMP

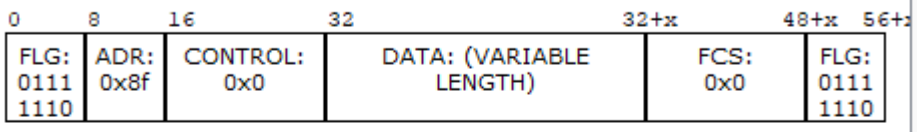
0	8	16	31 Bits
TYPE: 0x8	CODE: 0x0	CHECKSUM	
ID: 0xc		SEQ NUMBER: 14	

PDU Information at Device: Router1

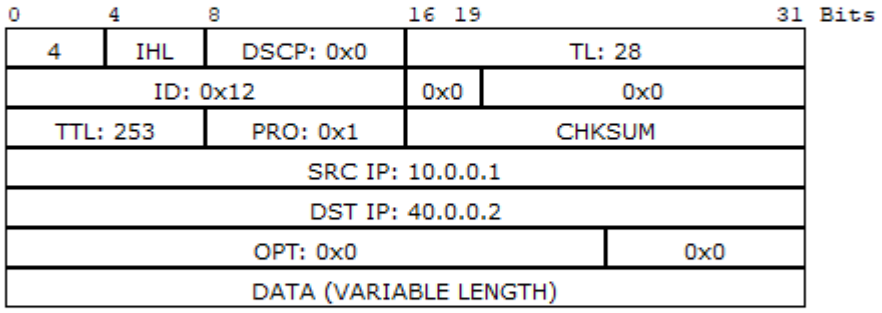
OSI Model | Inbound PDU Details | Outbound PDU Details

PDU Formats

HDLC



IP



ICMP