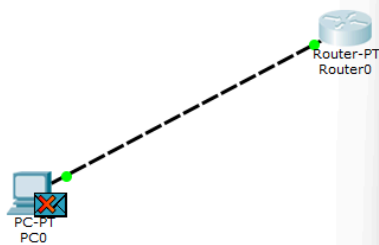


Simulation Panel						
Event List						
Vis.	Time(sec)	Last Device	At Device	Type	Info	
	531.633	Router0	PC0	CDP		
	591.634	--	Router0	CDP		
	591.635	Router0	PC0	CDP		
	651.636	--	Router0	CDP		
	651.637	Router0	PC0	CDP		
	711.637	--	Router0	CDP		
	711.638	Router0	PC0	CDP		
	771.640	--	Router0	CDP		
	771.641	Router0	PC0	CDP		



Router0

PhysicalConfigCLI

IOS Command Line Interface

```

R1>enable
Password:
R1#config t
Enter configuration commands, one per line. End with CNIL/Z.
R1(config)#line vty 0 5
R1(config-line)#login
R1(config-line)#password 153
R1(config-line)#exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console
e
% Ambiguous command: "e"
R1#configure terminal
Enter configuration commands, one per line. End with CNIL/Z.
R1(config)#interface FastEthernet0/0
R1(config-if)#

```

CopyPaste

Router0

Physical

Config

CLI

IOS Command Line Interface

X.25 software, Version 3.0.0.

4 FastEthernet/IEEE 802.3 interface(s)

2 Low-speed serial(sync/async) network interface(s)

32K bytes of non-volatile configuration memory.

63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>enable

Router#config t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface Fa0/0

Router(config-if)#ip address 10.0.0.2 255.0.0.0

Router(config-if)#no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#

Copy

Paste

PC0

Physical

Config

Desktop

Custom Interface

IP Configuration

X

IP Configuration

☐ DHCP

☒ Static

IP Address

10.0.0.1

Subnet Mask

255.0.0.0

Default Gateway

10.0.0.2

DNS Server

0.0.0.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address


/

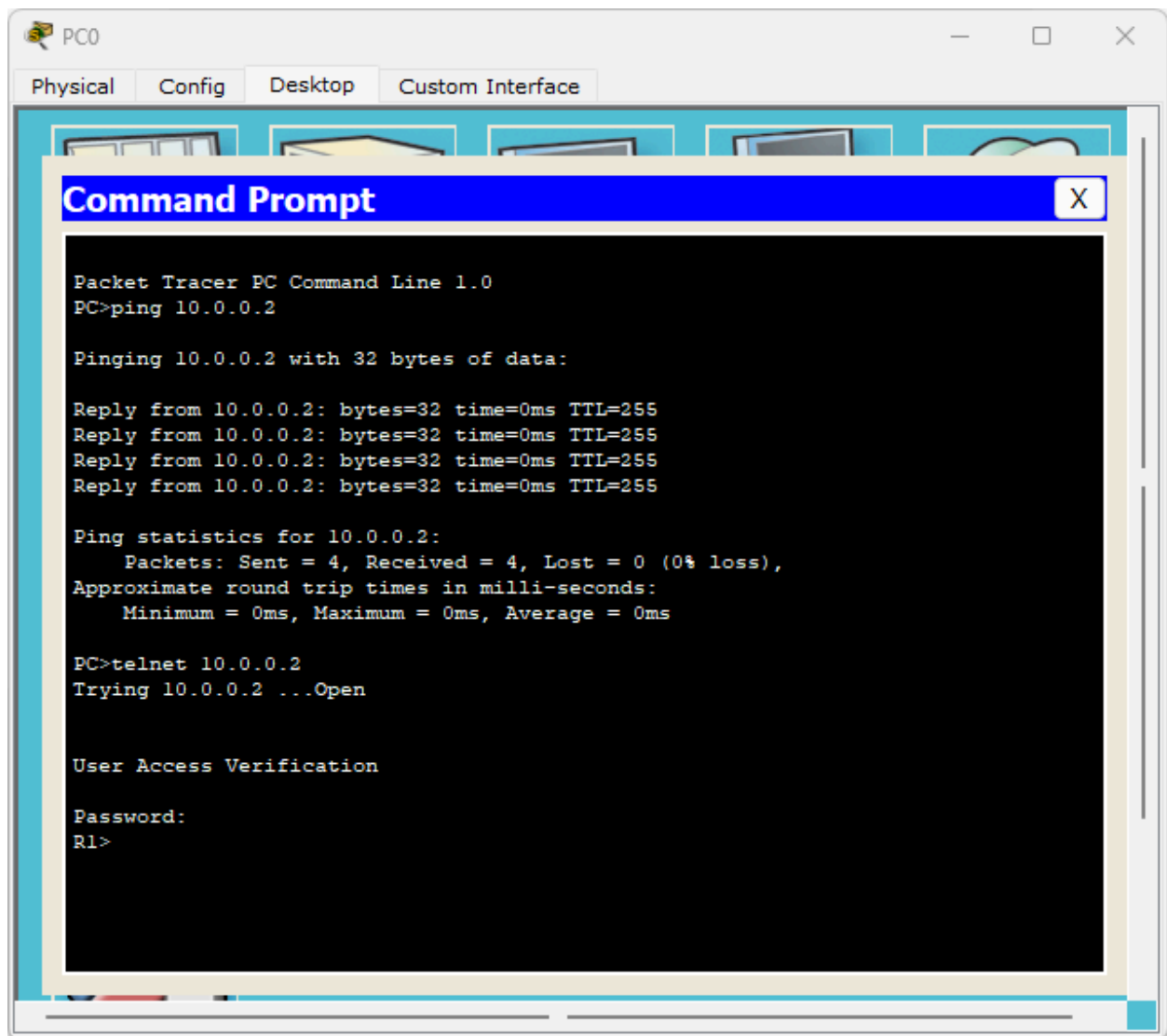
Link Local Address

FE80::20A:41FF:FED1:D2A4

IPv6 Gateway

IPv6 DNS Server



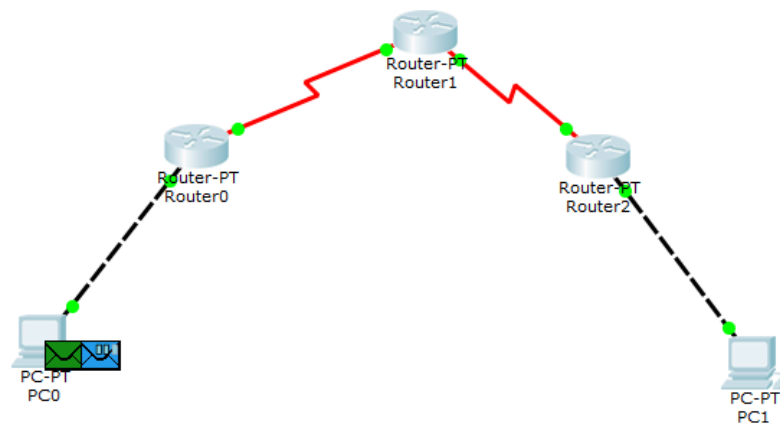


```
PC>telnet 10.0.0.2
Trying 10.0.0.2 ...Open

User Access Verification

Password:
R1> enable
Password:
```

TTL implementation



outbound pdu details at pc0

PDU Information at Device: PC0

OSI Model Outbound PDU Details

PDU Formats

Ethernet II

0	4	8	14	19	Bytes
PREAMBLE: 101010...1011		DEST MAC: 0090.2B7B.4B7D		SRC MAC: 0030.A328.EBA2	
TYPE: 0x800		DATA (VARIABLE LENGTH)		FCS: 0x0	

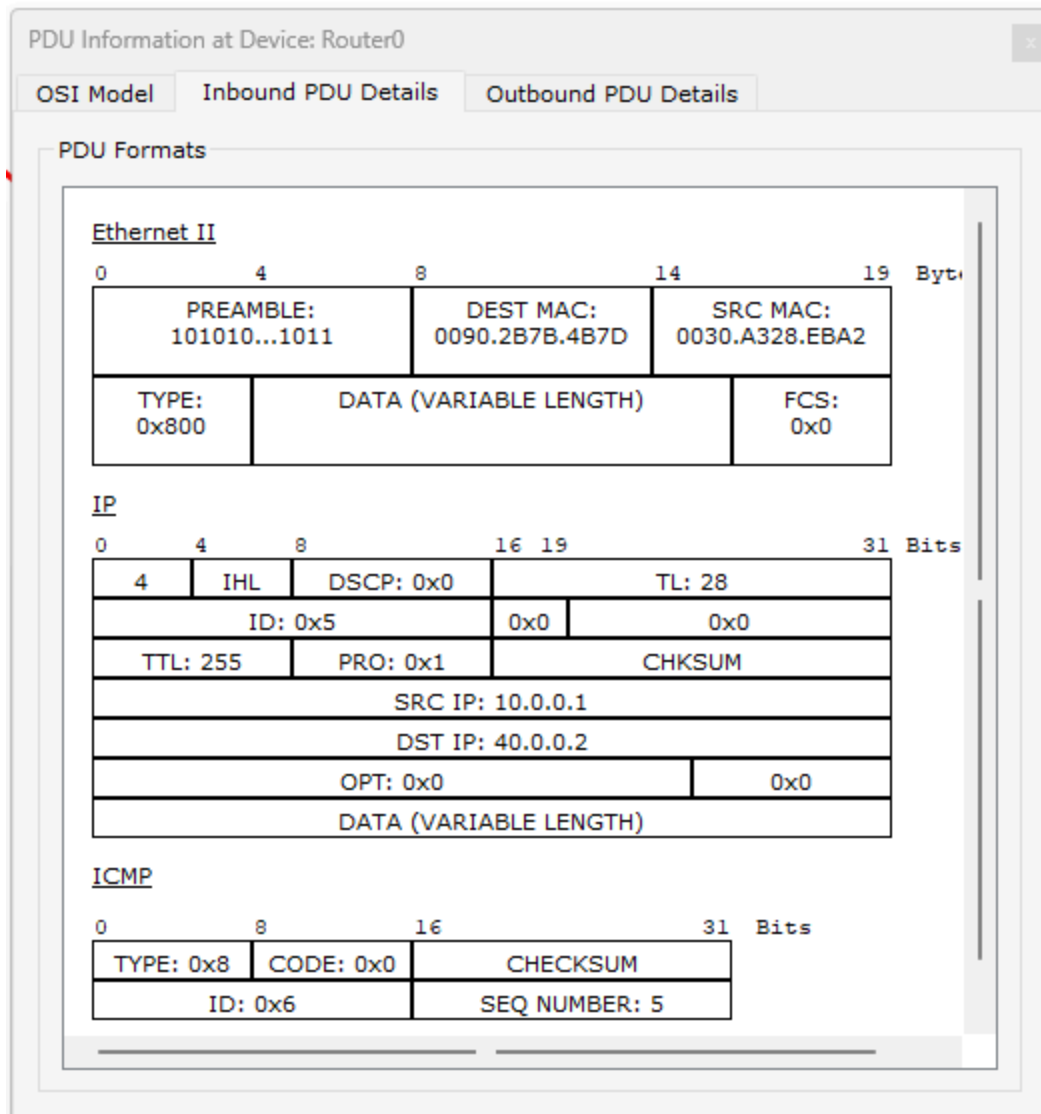
IP

0	4	8	16	19	31	Bits
4	IHL	DSCP: 0x0	TL: 28			
ID: 0x6			0x0	0x0		
TTL: 255		PRO: 0x1	CHKSUM			
SRC IP: 10.0.0.1						
DST IP: 40.0.0.2						
OPT: 0x0					0x0	
DATA (VARIABLE LENGTH)						

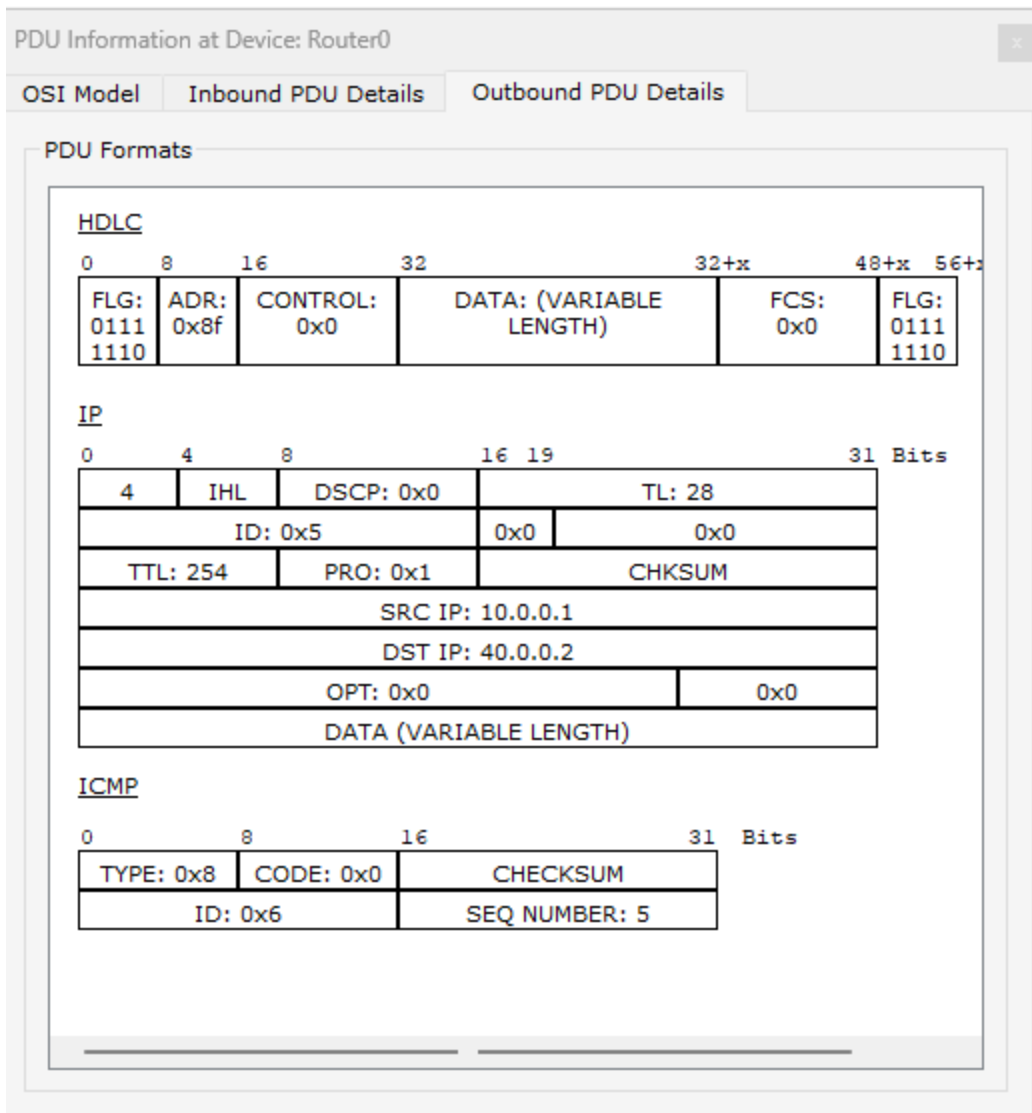
ICMP

0	8	16	31	Bits
---	---	----	----	------

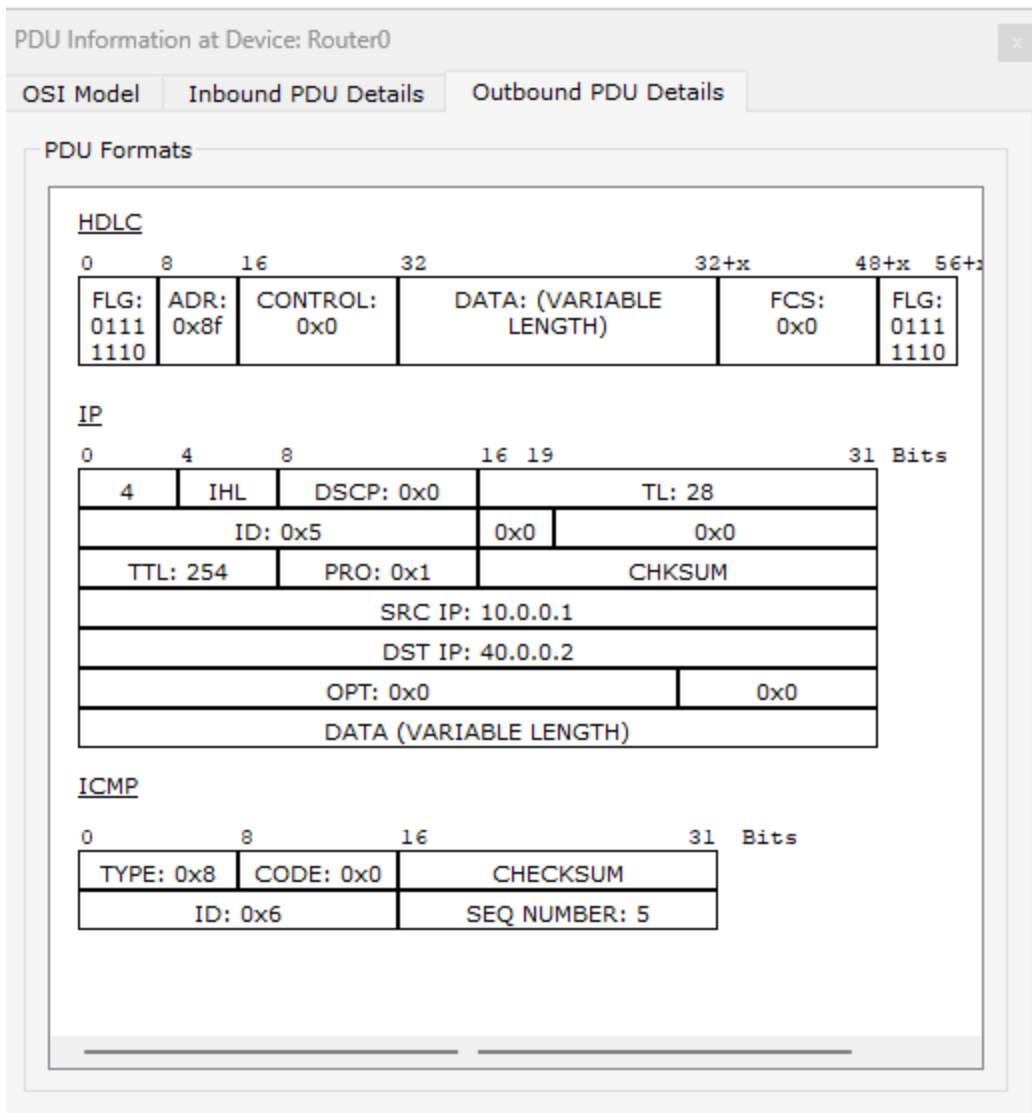
outbound pdu details at pc0



inbound pdu details atr router0



outbound pdu details at router 0



inbound and outbound pdu details at router 1

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: 0x5	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: 0x6	SEQ NUMBER: 5		

PDU Formats

HDLC

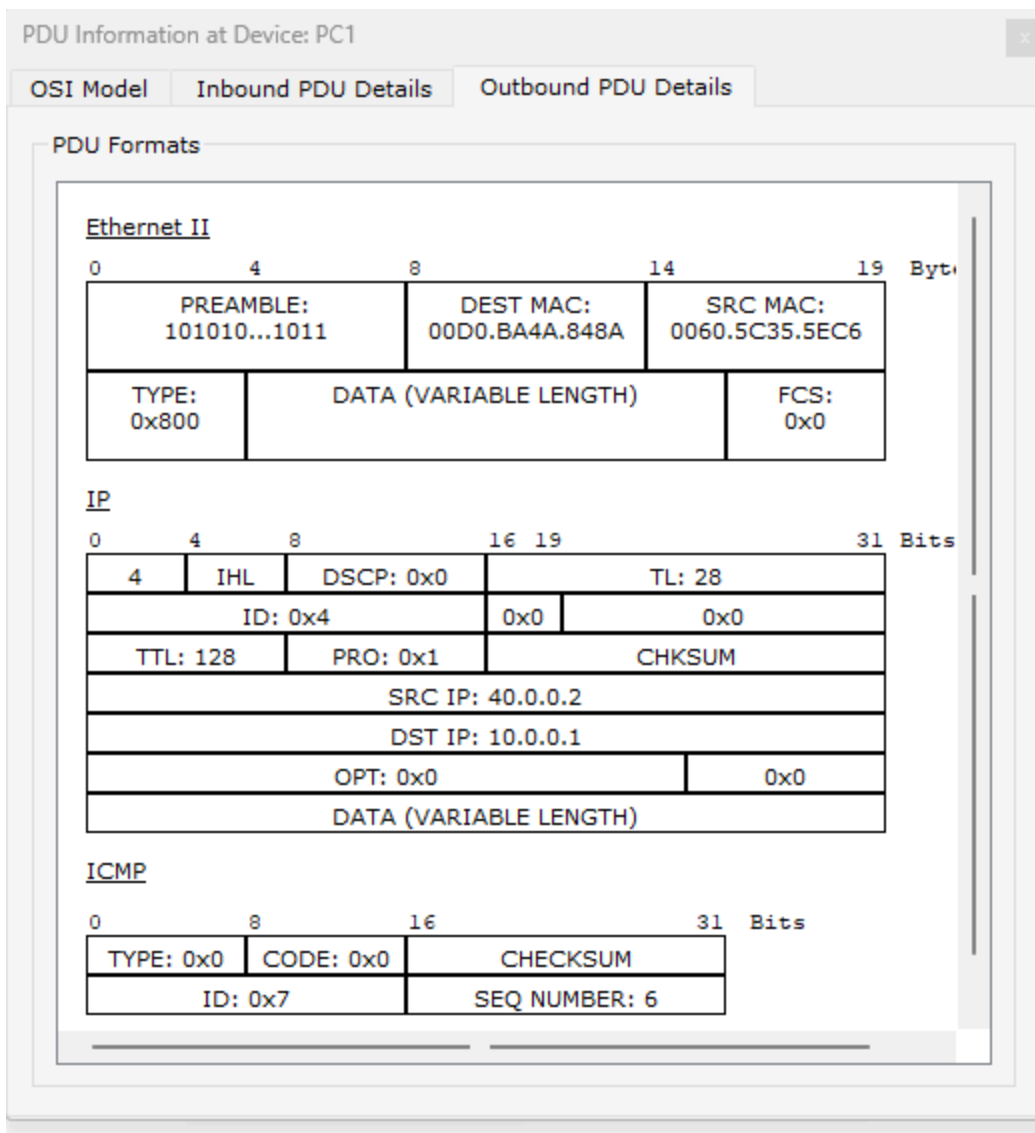
0	8	16	32	32+x	48+x	56+x
FLG: 0111 1110	ADR: 0x8f	CONTROL: 0x0	DATA: (VARIABLE LENGTH)	FCS: 0x0	FLG: 0111 1110	

IP

0	4	8	16	19	31 Bits
4	IHL	DSCP: 0x0	TL: 28		
ID: 0x5			0x0	0x0	
TTL: 253		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: 0x6		SEQ NUMBER: 5	



inbound and outbound pdu at pc 1

PDU Information at Device: PC1

OSI Model

Inbound PDU Details

Outbound PDU Details

PDU Formats

Ethernet II

0	4	8	14	19	Bytes
PREAMBLE: 101010...1011		DEST MAC: 0060.5C35.5EC6		SRC MAC: 00D0.BA4A.848A	
TYPE: 0x800		DATA (VARIABLE LENGTH)		FCS: 0x0	

IP

0	4	8	16	19	31	Bits
4	IHL	DSCP: 0x0	TL: 28			
ID: 0x6			0x0	0x0		
TTL: 252		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: 0x7			SEQ NUMBER: 6	