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Lab:9.1.3

Step 1: ping 172.16.31.2 from 172.16.31.5

PDU Information at Device: 172.16.31.5

OSI Model | Outbound PDU Details

PDU Formats

EthernetII

0			4			8					Bytes

PREAMBLE: 101010..10 | S | DEST ADDR:000C.85CC.1DA7

SRC ADDR:00D0.D31 1.C788 | TYPE :0x08 | DATA (VARIABLE LE NGTH) | FCS:0x00000000

IP

0		4		8			16		20		24				Bits

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x000a | FLAGS:0x 0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:172.16.31.5

DST IP:172.16.31.2

DATA (VARIABLE LENGTH)

ICMP

0						8				16						Bits

TYPE:0x08 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:6

Variable Size PDU

0					8				16							Bytes

DATA (VARIABLE LENGTH)

```
C:\>ping 172.16.31.2

Pinging 172.16.31.2 with 32 bytes of data:

Reply from 172.16.31.2: bytes=32 time=12ms TTL=128
Reply from 172.16.31.2: bytes=32 time=6ms TTL=128
Reply from 172.16.31.2: bytes=32 time=6ms TTL=128
Reply from 172.16.31.2: bytes=32 time=6ms TTL=128

Ping statistics for 172.16.31.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 12ms, Average = 7ms
```
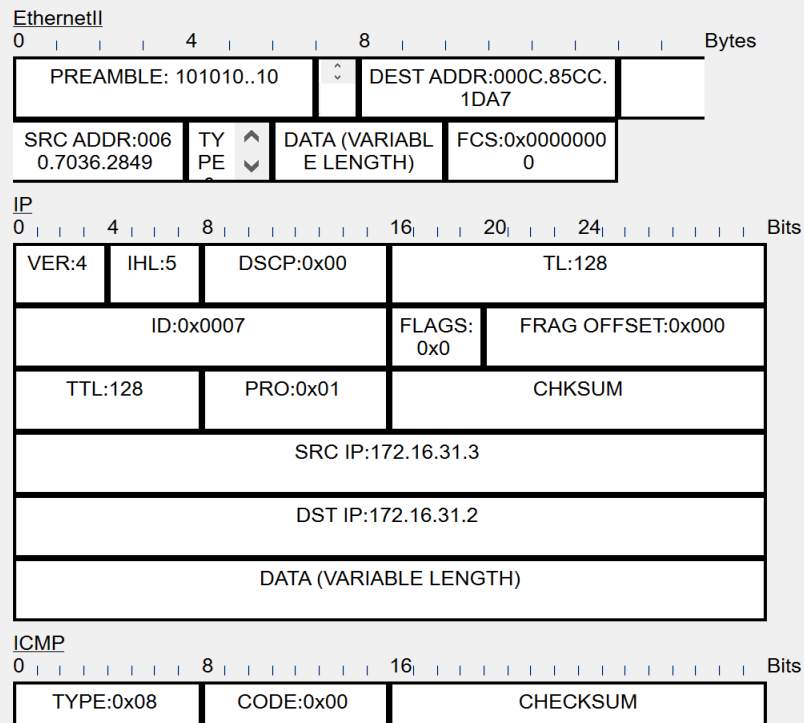
Step1.1: Ping 172.16.31.2 from 172.16.31.3.

PDU Information at Device: 172.16.31.2   ×
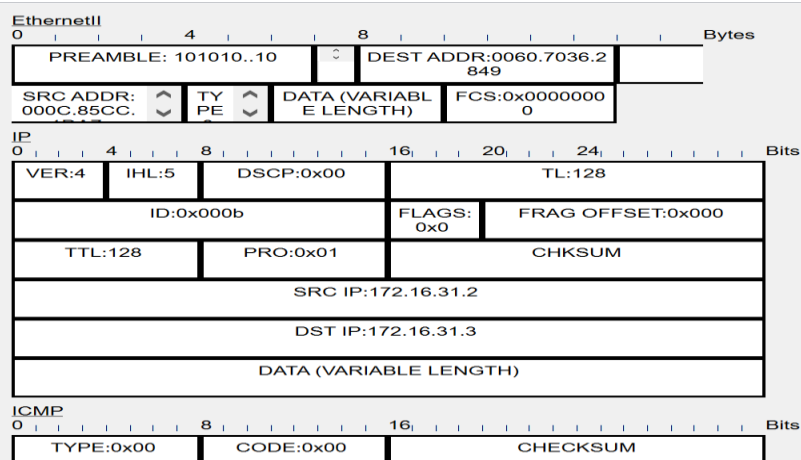
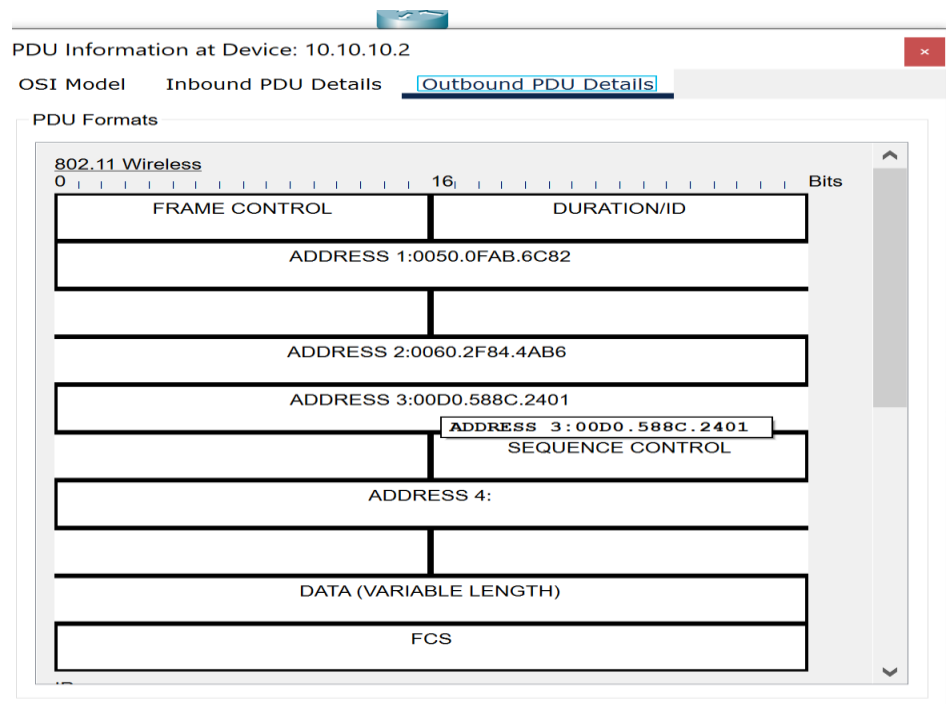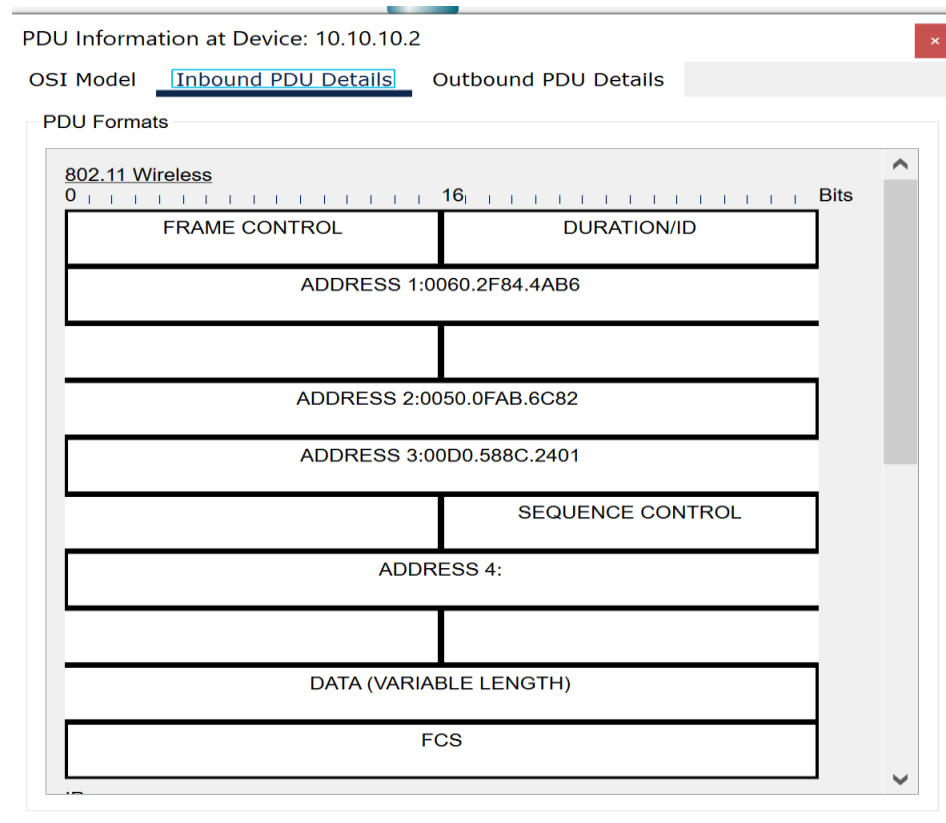OSI Model   Inbound PDU Details   Outbound PDU Details

PDU Formats

EthernetII
0   4   8   Bytes

| PREAMBLE: 101010..10 | ↕ | DEST ADDR:000C.85CC.1DA7 | |

| SRC ADDR:0060.7036.2849 | TY PE | DATA (VARIABLE LENGTH) | FCS:0x00000000 |

IP
0   4   8   16   20   24   Bits

| VER:4 | IHL:5 | DSCP:0x00 | TL:128 |

| ID:0x0007 | FLAGS: 0x0 | FRAG OFFSET:0x000 |

| TTL:128 | PRO:0x01 | CHKSUM |

| SRC IP:172.16.31.3 |

| DST IP:172.16.31.2 |

| DATA (VARIABLE LENGTH) |

ICMP
0   8   16   Bits

| TYPE:0x08 | CODE:0x00 | CHECKSUM |

PDU Information at Device: 172.16.31.2   ×

OSI Model   Inbound PDU Details   Outbound PDU Details

PDU Formats

EthernetII
0   4   8   Bytes

| PREAMBLE: 101010..10 | ↕ | DEST ADDR:0060.7036.2849 | |

| SRC ADDR:000C.85CC. | TY PE | DATA (VARIABLE LENGTH) | FCS:0x00000000 |

IP
0   4   8   16   20   24   Bits

| VER:4 | IHL:5 | DSCP:0x00 | TL:128 |

| ID:0x000b | FLAGS: 0x0 | FRAG OFFSET:0x000 |

| TTL:128 | PRO:0x01 | CHKSUM |

| SRC IP:172.16.31.2 |

| DST IP:172.16.31.3 |

| DATA (VARIABLE LENGTH) |

ICMP
0   8   16   Bits

| TYPE:0x00 | CODE:0x00 | CHECKSUM |

Step2:

PDU Information at Device: 10.10.10.2

OSI Model Inbound PDU Details Outbound PDU Details

PDU Formats

802.11 Wireless

| 0 | 16 | Bits |

| FRAME CONTROL | DURATION/ID |

ADDRESS 1:0060.2F84.4AB6

ADDRESS 2:0050.0FAB.6C82

ADDRESS 3:00D0.588C.2401

SEQUENCE CONTROL

ADDRESS 4:

DATA (VARIABLE LENGTH)

FCS

1.5

PDU Information at Device: 10.10.10.2

OSI Model Inbound PDU Details Outbound PDU Details

PDU Formats

802.11 Wireless

| 0 | 16 | Bits |

| FRAME CONTROL | DURATION/ID |

ADDRESS 1:0050.0FAB.6C82

ADDRESS 2:0060.2F84.4AB6

ADDRESS 3:00D0.588C.2401

ADDRESS 3:00D0.588C.2401

SEQUENCE CONTROL

ADDRESS 4:

DATA (VARIABLE LENGTH)

FCS

1.5

```
C:\>ping 10.10.10.2

Pinging 10.10.10.2 with 32 bytes of data:

Request timed out.
Reply from 10.10.10.2: bytes=32 time=11ms TTL=127
Reply from 10.10.10.2: bytes=32 time=15ms TTL=127
Reply from 10.10.10.2: bytes=32 time=13ms TTL=127

Ping statistics for 10.10.10.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 11ms, Maximum = 15ms, Average = 13ms
```