

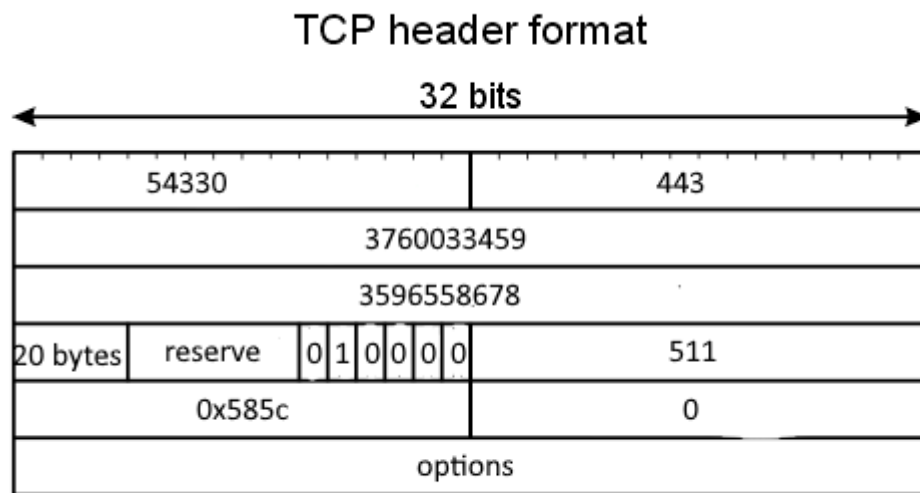
- > Internet Protocol Version 4, Src: 192.168.1.14, Dst: 162.247.243.147
- ✓ Transmission Control Protocol, Src Port: 54330, Dst Port: 443, Seq:
 - Source Port: 54330
 - Destination Port: 443
 - [Stream index: 9]
 - [TCP Segment Len: 0]
 - Sequence Number: 1263 (relative sequence number)
 - Sequence Number (raw): 3760033459
 - [Next Sequence Number: 1263 (relative sequence number)]
 - Acknowledgment Number: 4381 (relative ack number)
 - Acknowledgment number (raw): 3596558678
 - 0101 = Header Length: 20 bytes (5)
 - > Flags: 0x010 (ACK)
 - Window: 511
 - [Calculated window size: 130816]
 - [Window size scaling factor: 256]
 - Checksum: 0x585c [unverified]
 - [Checksum Status: Unverified]
 - Urgent Pointer: 0
 - > [SEQ/ACK analysis]
 - > [Timestamps]

TCP Packet

- ✓ Ethernet II, Src: 02:01:40:40:27:02 (02:01:40:40:27:02)
- > Internet Protocol Version 4, Src: 192.168.1.14, Dst: 162.247.243.147
- ✓ User Datagram Protocol, Src Port: 57087, Dst Port: 27025
 - Source Port: 57087
 - Destination Port: 27025
 - Length: 92
 - Checksum: 0x2966 [unverified]
 - [Checksum Status: Unverified]
 - [Stream index: 6]
 - > [Timestamps]
 - UDP payload (84 bytes)
 - > Data (84 bytes)

UDP Packet

Question 1



Question 2

UDP Datagram Header Format									
Bit #	0	7	8	15	16	23	24	31	
0	57087				27025				
32	92				0x2966				

Question 3

C0 a8 source IP address

01 0e

-----= C1B6

A2 FE destination IP address

C4 43

----= 6742

67 42 Protocol

00 11

--= 6753

67 53 source port

De ff

--= 5653

56 53 destination port

69 91

--= bee4

Be e4 Length

00 5c

--= bf40

Bf40 checksum

29 66

--= e8a6

E8a6

C1b6

--= ba5d

Ones compliment

Ba5d = 1011101001011101

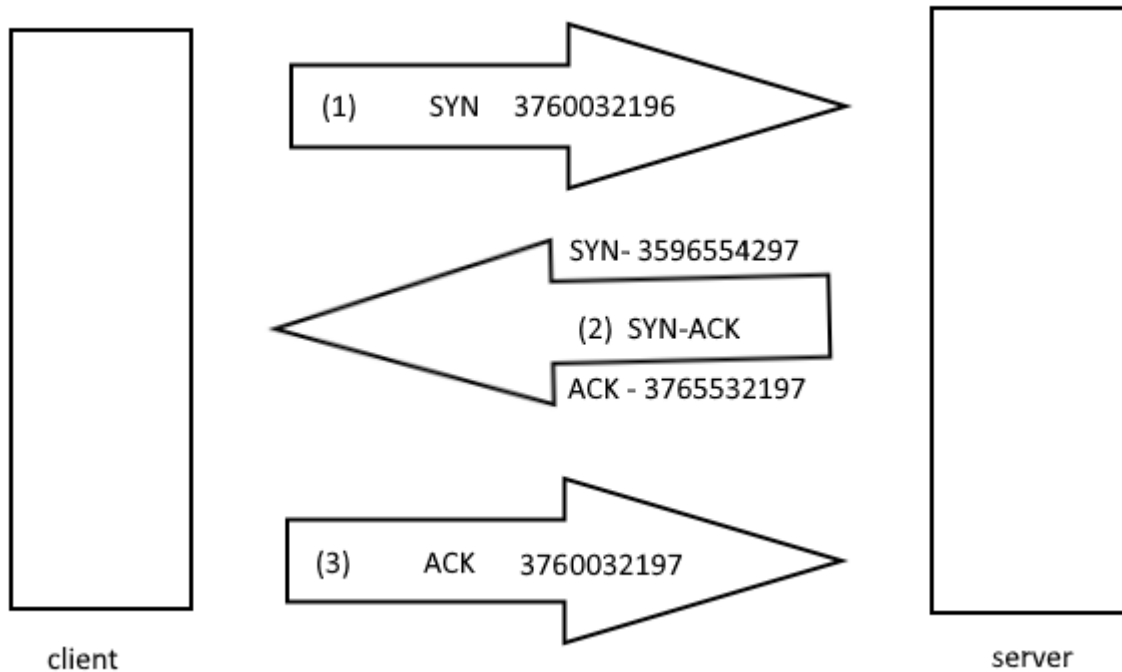
0100010110100010 = 45a2

Question 4

TCP packets were mainly used

Question 5

A 3-way handshake is a three-step process to establish a connection between the client and the server



Question 6

A 4-way Teardown is a process used to terminate TCP connections

