IPv4 Header

Version 4-bits	Header length 4-bits	Service type 8-bits	Total Length of Packet 16-bits			
Identification Number 16-bits			D F	M F	X	Fragmentation Offset 13-bits
Time to live(TTL) 8-bits	Protocol Field 8-bits		Header Checksum 16-bits			
Source IP Address 32-bits						
Destination IP Address 32-bits						
Options & Padding (40-bytes MAX)						

IPv6 Header

Version 4-bits	Traffic Class 8-bits	Flow Label Number 20-bits	
Payload Length 16-bits		Next Header 8-bits	HOP limit 8-bits
Source IP Address (4 X 32 = 128-bits)			
Destination IP Address (4 X 32 = 128-bits)			

TCP Header

Source Port	Destination Port
16-bits	16-bits

Sequence Number
32-bits

Acknowledgement Number
32-bits

H Len	S Y N	A C K	P S H	R S T	U R G	X	Window Size
4-bits							16-bits

Checksum	Urgent Pointer
16-bits	16-bits

Options & Padding
(40-Bytes)

UDP Header

Source Port 16-bits	Destination Port 16-bits
Checksum 16-bits	Total Length 16-bits