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Wireshark Lab: UDP

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No.    Time                               Source      Destination  Protocol Length Info
 57 2019-10-26 18:24:38.166490         192.168.1.249 162.254.193.7  UDP        126    62297 → 27017 Len=84
Frame 57: 126 bytes on wire (1008 bits), 126 bytes captured (1008 bits) on interface 0
Ethernet II, Src: Micro-St_92:30:cb (4c:cc:6a:92:30:cb), Dst: AsustekC_d3:3e:b4 (1c:87:2c:d3:3e:b4)
Internet Protocol Version 4, Src: 192.168.1.249, Dst: 162.254.193.7
User Datagram Protocol, Src Port: 62297, Dst Port: 27017
  Source Port: 62297
  Destination Port: 27017
  Length: 92
  Checksum: 0xe2c9 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 1]
  [Timestamps]
Data (84 bytes)
0000  56 53 30 31 30 00 06 04 1a 00 00 00 b6 a2 49 00  VS010.....I.
0010  cd 00 00 00 61 00 00 00 01 00 00 00 cd 00 00 00  ....a.....
0020  30 00 00 00 77 39 c1 30 76 3e 43 73 6e 3e e1 9a  0...w9.0v>Csn>..
0030  26 f9 a7 c8 30 9b 24 e2 41 c9 1e 66 9c 68 21 03  &...0$.A..f.h!.
0040  bc 03 03 16 98 e8 63 94 37 c2 c2 e1 a3 df e2 12  .....C.7.....
0050  f5 ae e1 07                                     ....
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No.    Time                               Source      Destination  Protocol Length Info
 58 2019-10-26 18:24:38.571949         162.254.193.7 192.168.1.249  UDP        78    27017 → 62297 Len=36
Frame 58: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface 0
Ethernet II, Src: AsustekC_d3:3e:b4 (1c:87:2c:d3:3e:b4), Dst: Micro-St_92:30:cb (4c:cc:6a:92:30:cb)
Internet Protocol Version 4, Src: 162.254.193.7, Dst: 192.168.1.249
User Datagram Protocol, Src Port: 27017, Dst Port: 62297
  Source Port: 27017
  Destination Port: 62297
  Length: 44
  Checksum: 0x07df [unverified]
  [Checksum Status: Unverified]
  [Stream index: 1]
  [Timestamps]
Data (36 bytes)
0000  56 53 30 31 00 00 07 04 b6 a2 49 00 1a 00 00 00  VS01.....I.....
0010  00 00 00 00 cd 00 00 00 00 00 00 00 00 00 00 00  .....
0020  00 00 00 00                                     ....
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- 1) There are 4 fields within the UDP header. The name of the fields are Source Port, Destination Port Length, and Checksum.
- 2) The length of the UDP header is 8 bytes, each field consisted of 2 bytes long.
- 3) The length of the UDP packet is 92 bytes, 8 bytes of the packet represent the header field and the remaining 84 is the byte of the data send to the application.
- 4) The numbers of the bytes can be included in a UDP payload is 65527 bytes
- 5) The highest source port range would be 65535
- 6) The IP protocol number for UDP is 17

- 7) The port for my host machine (270179) is communicating in port 27015 which is run by Valve Steam that manages txt based messages.