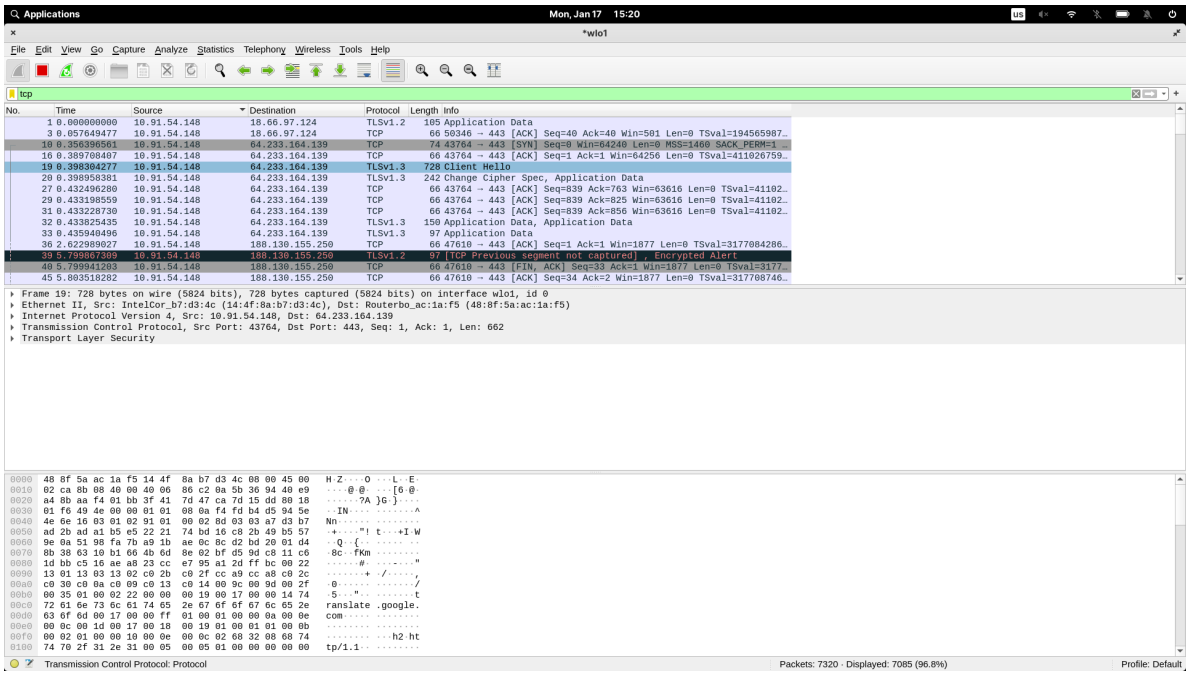
1. **Find some tcp packet received by your laptop and explore it.**

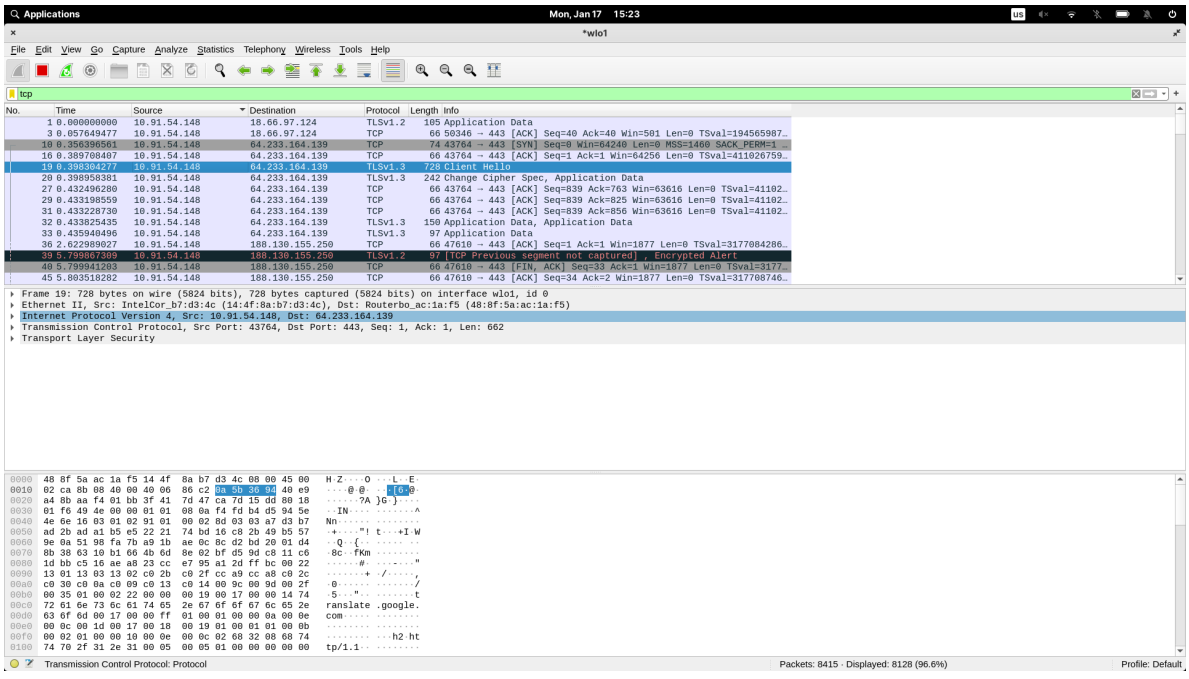
   I found a tcp packet in the list of incoming packets



2. **Which protocols are used inside the tcp packet?**

   Inside the given packet the following protocols are used

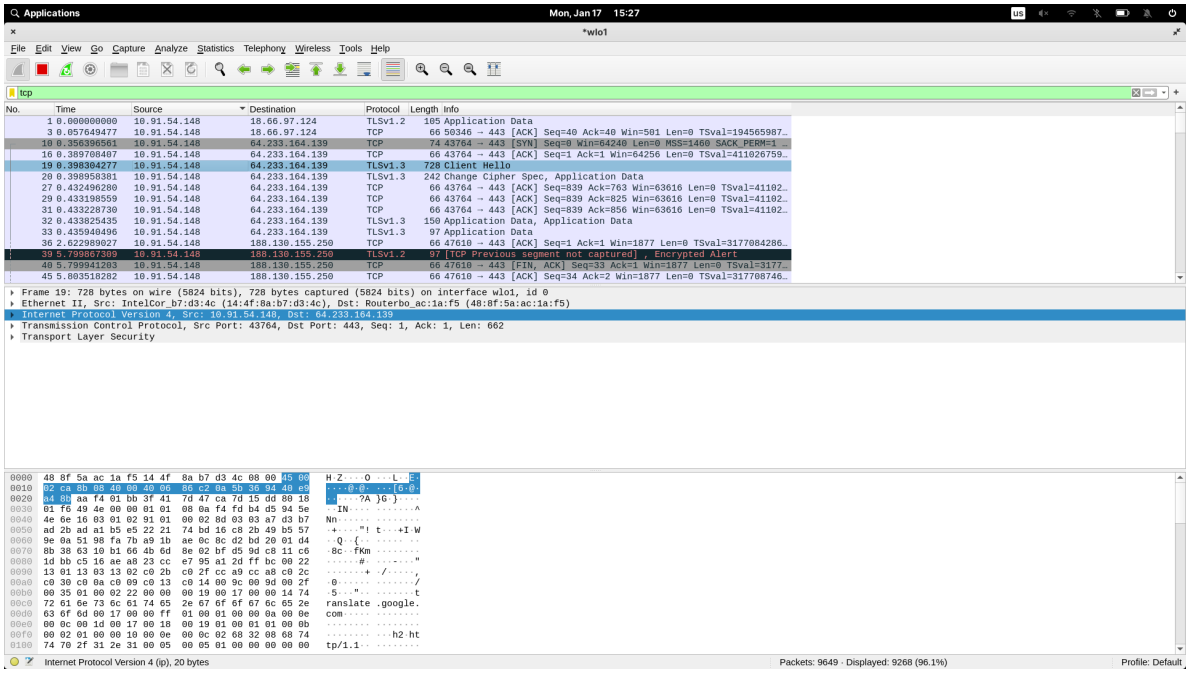
   - Internet Protocol Version 4
   - Transmission Control Protocol



3. **Who sent this package? What is the ip address and port of source host?**

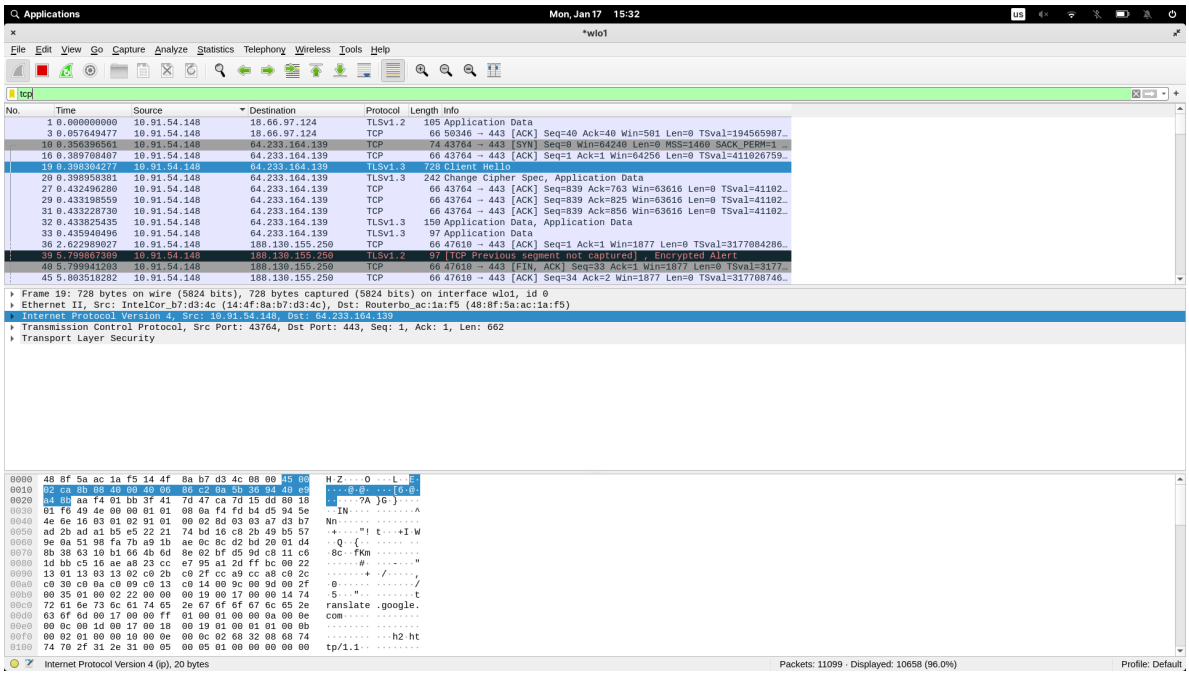
   The packet was sent by *10.91.54.148* as is stated besides Internet Protocol Version 4

The port of the packet is *43764* as is stated besides Transmission Control Protocol



4. **How do we filter out packets containing the tcp protocol?**

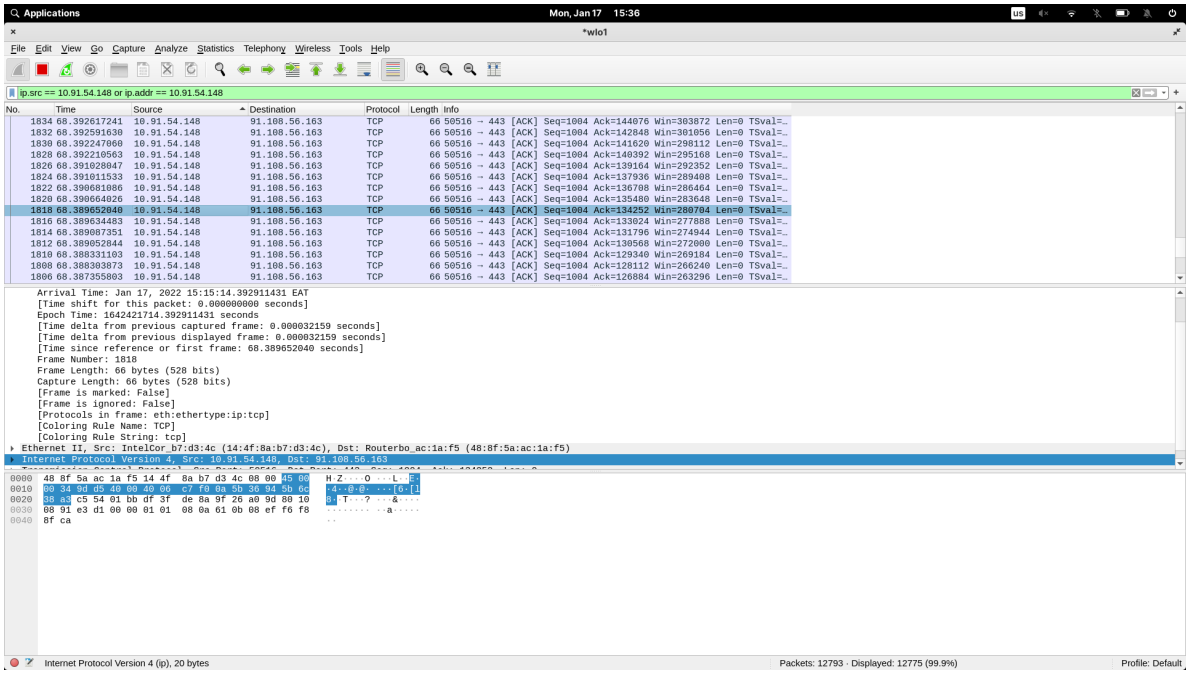
   In the upper corner there is a bar where filters can be applied. For example, if only TCP packets are needed, **tcp** can be typed in that bar.



5. **How do we filter out packets from some specific host?**

   To filter out packets from a specific host, we can write down the following in the filter bar

   ip.src == 10.91.54.148 or ip.addr == 10.91.54.148


Applications
Mon, Jan 17 15:36
*wlo1
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
ip.src == 10.91.54.148 or ip.addr == 10.91.54.148
No. Time Source Destination Protocol Length Info
1834 68.392617241 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=144076 Win=303872 Len=0 TSval=…
1832 68.392591630 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=142848 Win=301056 Len=0 TSval=…
1830 68.392247060 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=141620 Win=298112 Len=0 TSval=…
1828 68.392210563 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=140392 Win=295168 Len=0 TSval=…
1826 68.391028047 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=139164 Win=292352 Len=0 TSval=…
1824 68.391011533 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=137936 Win=289408 Len=0 TSval=…
1822 68.390681086 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=136708 Win=286464 Len=0 TSval=…
1820 68.390664026 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=135480 Win=283648 Len=0 TSval=…
1818 68.389652040 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=134252 Win=280704 Len=0 TSval=…
1816 68.389634483 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=133024 Win=277888 Len=0 TSval=…
1814 68.389087351 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=131796 Win=274944 Len=0 TSval=…
1812 68.389052844 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=130568 Win=272000 Len=0 TSval=…
1810 68.388331103 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=129340 Win=269184 Len=0 TSval=…
1808 68.388303873 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=128112 Win=266240 Len=0 TSval=…
1806 68.387355803 10.91.54.148 91.108.56.163 TCP 66 50516 → 443 [ACK] Seq=1004 Ack=126884 Win=263296 Len=0 TSval=…
Arrival Time: Jan 17, 2022 15:15:14.392911431 EAT
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1642421714.392911431 seconds
[Time delta from previous captured frame: 0.000032159 seconds]
[Time delta from previous displayed frame: 0.000032159 seconds]
[Time since reference or first frame: 68.389652040 seconds]
Frame Number: 1818
Frame Length: 66 bytes (528 bits)
Capture Length: 66 bytes (528 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp]
[Coloring Rule Name: TCP]
[Coloring Rule String: tcp]
Ethernet II, Src: IntelCor_b7:d3:4c (14:4f:8a:b7:d3:4c), Dst: Routerbo_ac:1a:f5 (48:8f:5a:ac:1a:f5)
Internet Protocol Version 4, Src: 10.91.54.148, Dst: 91.108.56.163
0000 48 8f 5a ac 1a f5 14 4f 8a b7 d3 4c 08 00 45 00
0010 00 34 9d d5 40 00 40 06 c7 f0 0a 5b 36 94 5b 6c
0020 38 a3 c5 54 01 bb df 3f de 8a 9f 26 a0 9d 80 10
0030 08 91 e3 d1 00 00 01 01 08 0a 61 0b 08 ef f6 f8
0040 8f ca
Internet Protocol Version 4 (ip), 20 bytes
Packets: 12793 · Displayed: 12775 (99.9%)
Profile: Default