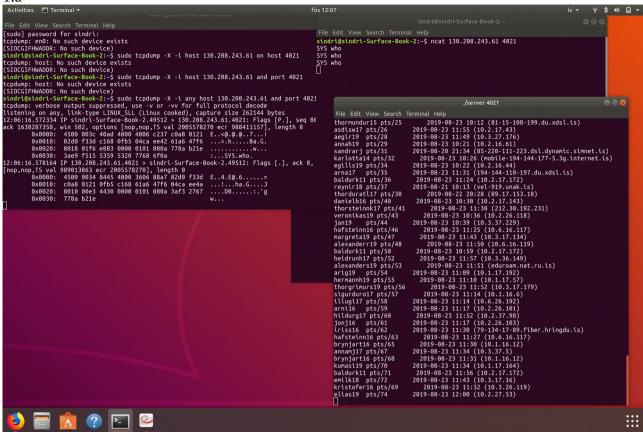
## Tölvusamskipti T-409-TSAM

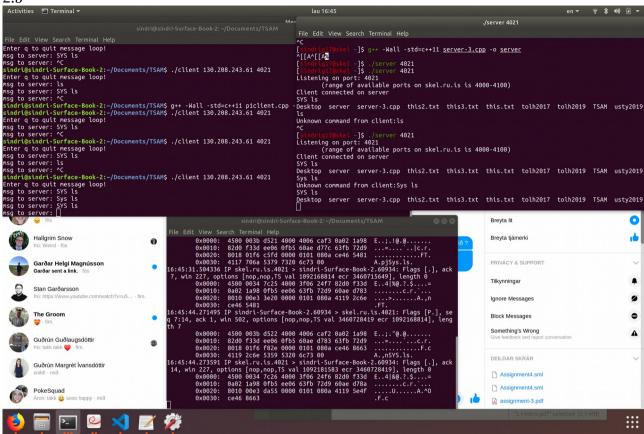
## **Project 1**

Sindri Dan Garðarsson



Teacher: Jacky Mallett





## 2.c

16:45:44.273591 IP skel.ru.is.4021 > sindri-Surface-Book-2.60934: Flags [.], ack 14, win 227, options [nop,nop,TS val 1092181583 ecr 3460728419], length 0

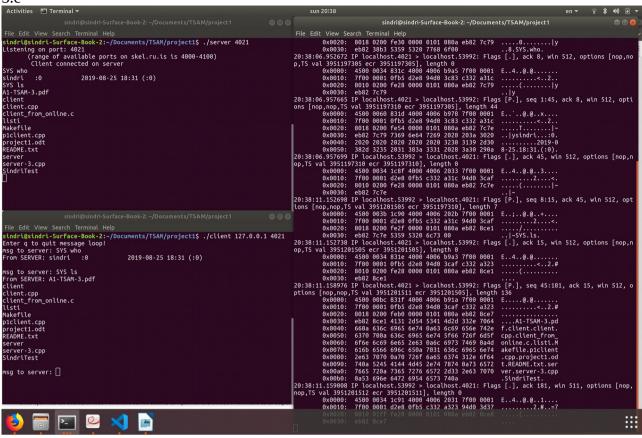
0x0000: 4500 0034 7c26 4000 3f06 24f6 82d0 f33d E..4|&@.?.\$...=

0x0010: 0a02 1a98 0fb5 ee06 63fb 72d9 60ae d78a .......c.r.`...

0x0020: 8010 00e3 da55 0000 0101 080a 4119 5e4f .....U......A.^O

0x0030: ce46 8663 .F.c

Also see screenshot above with the TCPDUMP



## Copy of TCPDUMP:

sindri@sindri-Surface-Book-2:~/Documents/TSAM/project1\$ sudo tcpdump -X -i any host 127.0.0.1 and port 4021

tcpdump: verbose output suppressed, use -v or -vv for full protocol decode

listening on any, link-type LINUX SLL (Linux cooked), capture size 262144 bytes

20:38:06.952625 IP localhost.53992 > localhost.4021: Flags [P.], seq 3274875668:3274875676, ack 2496674947, win 512, options [nop,nop,TS val 3951197305 ecr 3951179955], length 8

0x0000: 4500 003c 1c8e 4000 4006 202c 7f00 0001 E..<..@.@..,....

0x0010: 7f00 0001 d2e8 0fb5 c332 a314 94d0 3c83 ......2....<

0x0030: eb82 38b3 5359 5320 7768 6f00 ...8.SYS.who.

20:38:06.952672 IP localhost.4021 > localhost.53992: Flags [.], ack 8, win 512, options

[nop,nop,TS val 3951197305 ecr 3951197305], length 0

0x0000: 4500 0034 831c 4000 4006 b9a5 7f00 0001 E..4..@.@......

0x0010: 7f00 0001 0fb5 d2e8 94d0 3c83 c332 a31c ..........<..2..

0x0030: eb82 7c79 ...

20:38:06.957665 IP localhost.4021 > localhost.53992: Flags [P.], seq 1:45, ack 8, win 512, options [nop,nop,TS val 3951197310 ecr 3951197305], length 44

0x0000: 4500 0060 831d 4000 4006 b978 7f00 0001 E..`..@.@..x....

0x0010: 7f00 0001 0fb5 d2e8 94d0 3c83 c332 a31c ..........<..2...

0x0030: eb82 7c79 7369 6e64 7269 2020 203a 3020 ...|ysindri...:0.

0x0040: 2020 2020 2020 2020 2020 3230 3139 2d30 ......2019-0

0x0050: 382d 3235 2031 383a 3331 2028 3a30 290a 8-25.18:31.(:0).

20:38:06.957699 IP localhost.53992 > localhost.4021: Flags [.], ack 45, win 512, options [nop,nop,TS val 3951197310 ecr 3951197310], length 0

```
0x0000: 4500 0034 1c8f 4000 4006 2033 7f00 0001 E..4..@.@..3....
      0x0010: 7f00 0001 d2e8 0fb5 c332 a31c 94d0 3caf ......2....<
      0x0030: eb82 7c7e
                                        ..|~
20:38:11.152698 IP localhost.53992 > localhost.4021: Flags [P.], seq 8:15, ack 45, win 512, options
[nop,nop,TS val 3951201505 ecr 3951197310], length 7
      0x0000: 4500 003b 1c90 4000 4006 202b 7f00 0001 E..;..@.@..+....
      0x0010: 7f00 0001 d2e8 0fb5 c332 a31c 94d0 3caf ......2....<
      0x0020: 8018 0200 fe2f 0000 0101 080a eb82 8ce1 ..../.......
      0x0030: eb82 7c7e 5359 5320 6c73 00
                                                ..|~SYS.ls.
20:38:11.152738 IP localhost.4021 > localhost.53992: Flags [.], ack 15, win 512, options
[nop,nop,TS val 3951201505 ecr 3951201505], length 0
      0x0000: 4500 0034 831e 4000 4006 b9a3 7f00 0001 E..4..@.@......
      0x0020: 8010 0200 fe28 0000 0101 080a eb82 8ce1 .....(..........
      0x0030: eb82 8ce1
20:38:11.158976 IP localhost.4021 > localhost.53992: Flags [P.], seq 45:181, ack 15, win 512,
options [nop,nop,TS val 3951201511 ecr 3951201505], length 136
      0x0000: 4500 00bc 831f 4000 4006 b91a 7f00 0001 E....@.@.....
      0x0020: 8018 0200 feb0 0000 0101 080a eb82 8ce7 .....
      0x0030: eb82 8ce1 4131 2d54 5341 4d2d 332e 7064 ....A1-TSAM-3.pd
      0x0040: 660a 636c 6965 6e74 0a63 6c69 656e 742e f.client.client.
      0x0050: 6370 700a 636c 6965 6e74 5f66 726f 6d5f cpp.client from
      0x0060: 6f6e 6c69 6e65 2e63 0a6c 6973 7469 0a4d online.c.listi.M
      0x0070: 616b 6566 696c 650a 7031 636c 6965 6e74 akefile.p1client
      0x0080: 2e63 7070 0a70 726f 6a65 6374 312e 6f64 .cpp.project1.od
      0x0090: 740a 5245 4144 4d45 2e74 7874 0a73 6572 t.README.txt.ser
      0x00a0: 7665 720a 7365 7276 6572 2d33 2e63 7070 ver.server-3.cpp
      0x00b0: 0a53 696e 6472 6954 6573 740a
                                                 .SindriTest.
20:38:11.159008 IP localhost.53992 > localhost.4021: Flags [.], ack 181, win 511, options
[nop,nop,TS val 3951201512 ecr 3951201511], length 0
      0x0000: 4500 0034 1c91 4000 4006 2031 7f00 0001 E..4..@.@..1....
      0x0010: 7f00 0001 d2e8 0fb5 c332 a323 94d0 3d37 ......2.#..=7
      0x0020: 8010 01ff fe28 0000 0101 080a eb82 8ce8 ....(.......
      0x0030: eb82 8ce7
\wedge \mathbf{C}
8 packets captured
16 packets received by filter
0 packets dropped by kernel
```