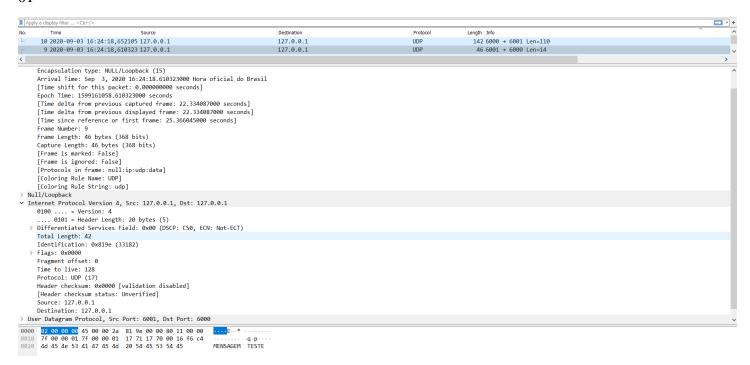
## UDP - Laboratório

### Luiza Ávila

#### 01-



					^
lo.	Time Source	Destination	Protocol	Length Info	
	10 2020-09-03 16:24:18,652105 127.0.0.1	127.0.0.1	UDP	142 6000 → 6001 Len=110	
	63 2020-09-03 16:32:01,746052 192.168.0.24	192.168.0.24	UDP	142 6000 → 6001 Len=110	
	9 2020-09-03 16:24:18,610323 127.0.0.1	127.0.0.1	UDP	46 6001 → 6000 Len=14	
	62 2020-09-03 16:32:01,705111 192.168.0.24	192.168.0.24	UDP	46 6001 → 6000 Len=14	
	36 2020-09-03 16:29:29,631062 192.168.0.24	192.168.0.24	ICMP	74 Destination unreachable (Host un	reachable)
	1 2020-09-03 16:23:53,244278 192.168.56.1	239.255.255.250	SSDP	205 M-SEARCH * HTTP/1.1	
	2 2020-09-03 16:23:53,244388 192.168.0.24	239.255.255.250	SSDP	205 M-SEARCH * HTTP/1.1	
(	3 2020-09-03 16:23:54,254570 192.168.56.1	239.255.255.250	SSDP	205 M-SEARCH * HTTP/1.1	
	Encapsulation type: NULL/Loopback (15)				
	Arrival Time: Sep 3, 2020 16:32:01.746052000 Hora oficial	do Brasil			
	[Time shift for this packet: 0.000000000 seconds]				
	Epoch Time: 1599161521.746052000 seconds				
	[Time delta from previous captured frame: 0.040941000 seco				
	[Time delta from previous displayed frame: 0.040941000 sec				
	[Time since reference or first frame: 488.501774000 second	s]			
	Frame Number: 63				
	Frame Length: 142 bytes (1136 bits)				
	Capture Length: 142 bytes (1136 bits)				
	[Frame is marked: False]				
	[Frame is ignored: False]				
	[Protocols in frame: null:ip:udp:data]				
	[Coloring Rule Name: UDP]				
	[Coloring Rule String: udp]				
	ull/Loopback				
V II	nternet Protocol Version 4, Src: 192.168.0.24, Dst: 192.168.	0.24			
	0100 = Version: 4				
	0101 = Header Length: 20 bytes (5)				
>	Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-E	CT)			
	Total Length: 138				
	Identification: 0x857e (34174)				
>	Flags: 0x0000				
	Fragment offset: 0				
	Time to live: 128				
	Protocol: UDP (17)				
0000					
		p-q-v-b			
0020		O - MENSAG			
9036	0 45 4d 20 54 45 53 54 45 00 00 00 00 00 00 00 00 EM TES	TE			

```
Time
                              Source
                                                                        Destination
                                                                                                                  Protocol
                                                                                                                                   Length Info
1 2020-09-03 19:15:08,582080 192.168.0.24
                                                                        192.168.0.24
                                                                                                                  UDP
                                                                                                                                     46 6001 → 6000 Len=14
2 2020-09-03 19:15:08,629892 192.168.0.24
                                                                        192.168.0.24
                                                                                                                  UDP
                                                                                                                                     142 6000 → 6001 Len=110
3 2020-09-03 19:15:10,543417 192.168.0.24
                                                                        192.168.0.24
                                                                                                                  UDP
                                                                                                                                     46 6001 → 6000 Len=14
4 2020-09-03 19:15:10,543445 192.168.0.24
                                                                        192.168.0.24
                                                                                                                  ICMP
                                                                                                                                      74 Destination unreachable (Port unreachable)
```

```
[Time shift for this packet: 0.000000000 seconds]
   Epoch Time: 1599171310.543445000 seconds
   [Time delta from previous captured frame: 0.000028000 seconds]
  [Time delta from previous displayed frame: 0.000028000 seconds]
  [Time since reference or first frame: 1.961365000 seconds]
  Frame Number: 4
  Frame Length: 74 bytes (592 bits)
  Capture Length: 74 bytes (592 bits)
   [Frame is marked: False]
  [Frame is ignored: False]
   [Protocols in frame: null:ip:icmp:ip:udp:data]
  [Coloring Rule Name: ICMP errors]
   [Coloring Rule String: icmp.type eq 3 || icmp.type eq 4 || icmp.type eq 5 || icmp.type eq 1 || icmpv6.type eq 1 || icmpv6.type eq 2 || icmpv6.type eq 4 |
Null/Loopback
Internet Protocol Version 4, Src: 192.168.0.24, Dst: 192.168.0.24
  0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
> Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 70
  Identification: 0xf54c (62796)
> Flags: 0x0000
  Fragment offset: 0
  Time to live: 128
  Protocol: ICMP (1)
  Header checksum: 0x0000 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.0.24
  Destination: 192.168.0.24
Internet Control Message Protocol
```

No.	Time	Source	Destination	Protocol	Length Info	
г	4 2020-09-03 16	:40:07,640363 192.168.0.24	192.168.0.24	UDP	46 6001 → 6000 Len=14	
L	5 2020-09-03 16	:40:07,677088 192.168.0.24	192.168.0.24	UDP	142 6000 → 6001 Len=110	
<						
	[Time shift for the special sp	d: False] ame: null:ip:udp:data] ame: UDP]	conds] econds]			
> Nul	[Coloring Rule St 1/Loopback					
>	0100 = Versi 0101 = Heade Differentiated Se Total Length: 42 Identification: 6 Flags: 0x0000	r Length: 20 bytes (5) rrvices Field: 0x00 (DSCP: CS0, ECN: Not 0x8587 (34183)				
	Fragment offset: Time to live: 128					
	Protocol: UDP (17 Header checksum:	7) 0x0000 [validation disabled]				
		status: Unverified] 0.24				
	User Datagram Protocol, Src Port: 6001, Dst Port: 6000 Data (14 bytes)					
000-		00 00 2a 85 87 00 00 80 11 00 00 ····	5 ×			

# TCP -Laboratório

# Luiza Ávila

## 01-

12 2020-09-03 17:26:17.011348 127.0.0.1	127.0.0.1	TCP	56 52608 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK PERM=1
13 2020-09-03 17:26:17,011446 127.0.0.1	127.0.0.1	TCP	56 7000 → 52608 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256 SACI
14 2020-09-03 17:26:17,011561 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seg=1 Ack=1 Win=2619648 Len=0
15 2020-09-03 17:26:17,062191 127.0.0.1	127.0.0.1	TCP	48 52608 → 7000 [PSH, ACK] Seq=1 Ack=1 Win=2619648 Len=4 [TCP segment of a i
16 2020-09-03 17:26:17,062234 127.0.0.1	127.0.0.1	TCP	44 7000 → 52608 [ACK] Seq=1 Ack=5 Win=2619648 Len=0
17 2020-09-03 17:26:17,167186 127.0.0.1	127.0.0.1	TCP	61 52608 → 7000 [PSH, ACK] Seq=5 Ack=1 Win=2619648 Len=17 [TCP segment of a
18 2020-09-03 17:26:17,167243 127.0.0.1	127.0.0.1	TCP	44 7000 → 52608 [ACK] Seq=1 Ack=22 Win=2619648 Len=0
19 2020-09-03 17:26:17,171480 127.0.0.1	127.0.0.1	TCP	48 7000 → 52608 [PSH, ACK] Seq=1 Ack=22 Win=2619648 Len=4 [TCP segment of a
20 2020-09-03 17:26:17,171527 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seq=22 Ack=5 Win=2619648 Len=0
21 2020-09-03 17:26:17,214607 127.0.0.1	127.0.0.1	TCP	75 7000 → 52608 [PSH, ACK] Seq=5 Ack=22 Win=2619648 Len=31 [TCP segment of
22 2020-09-03 17:26:17,214672 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seq=22 Ack=36 Win=2619648 Len=0
23 2020-09-03 17:26:17,241736 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [FIN, ACK] Seq=22 Ack=36 Win=2619648 Len=0
04 0000 00 00 47 00 47 044700 407 0 0 4	407.0.0.4	TCD	** TOOD   FOCOD [**C!/]
	1 0 11		
Arrival Time: Sep 3, 2020 17:26:17.011446000 Hora oficial	lo Brasil		<i>'</i>
[Time shift for this packet: 0.000000000 seconds]			
Epoch Time: 1599164777.011446000 seconds	4-3		
[Time delta from previous captured frame: 0.000098000 second [Time delta from previous displayed frame: 0.000098000 second			
Time since reference or first frame: 29.689525000 seconds]	iasj		
Frame Number: 13			
Frame Length: 56 bytes (448 bits) Capture Length: 56 bytes (448 bits)			
Frame is marked: Falsel			
[Frame is ignored: False]			
[Protocols in frame: null:ip:tcp]			
[Coloring Rule Name: TCP SYN/FIN]	43		
[Coloring Rule String: tcp.flags & 0x02    tcp.flags.fin ==	1)		
1/Loopback			
ernet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1			
0101 = Header Length: 20 bytes (5)			
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-EC	T)		
Fotal Length: 52	•)		
02 00 00 00 45 00 00 34 81 a1 40 00 80 06 00 00 ····E···			
7f 00 00 01 7f 00 00 01 1b 58 cd 80 09 55 08 91			
01 03 03 08 01 01 04 02			

1 2020-09-03 19:28:05,910983 127.0.0.1	127.0.0.1	TCP	56 64246 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
2 2020-09-03 19:28:05,911018 127.0.0.1	127.0.0.1	TCP	56 7000 → 64246 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256 SACK_F
3 2020-09-03 19:28:05,911038 127.0.0.1	127.0.0.1	TCP	44 64246 → 7000 [ACK] Seq=1 Ack=1 Win=2619648 Len=0
4 2020-09-03 19:28:05,913669 127.0.0.1	127.0.0.1	TCP	48 64246 → 7000 [PSH, ACK] Seq=1 Ack=1 Win=2619648 Len=4 [TCP segment of a rea
5 2020-09-03 19:28:05,913685 127.0.0.1	127.0.0.1	TCP	44 7000 → 64246 [ACK] Seq=1 Ack=5 Win=2619648 Len=0
6 2020-09-03 19:28:05,919769 127.0.0.1	127.0.0.1	TCP	61 64246 → 7000 [PSH, ACK] Seq=5 Ack=1 Win=2619648 Len=17 [TCP segment of a re
7 2020-09-03 19:28:05,919784 127.0.0.1	127.0.0.1	TCP	44 7000 → 64246 [ACK] Seq=1 Ack=22 Win=2619648 Len=0
8 2020-09-03 19:28:05,920929 127.0.0.1	127.0.0.1	TCP	48 7000 → 64246 [PSH, ACK] Seq=1 Ack=22 Win=2619648 Len=4 [TCP segment of a re
9 2020-09-03 19:28:05,920937 127.0.0.1	127.0.0.1	TCP	44 64246 → 7000 [ACK] Seq=22 Ack=5 Win=2619648 Len=0
10 2020-09-03 19:28:05,929525 127.0.0.1	127.0.0.1	TCP	75 7000 → 64246 [PSH, ACK] Seq=5 Ack=22 Win=2619648 Len=31 [TCP segment of a r
11 2020-09-03 19:28:05,929542 127.0.0.1	127.0.0.1	TCP	44 64246 → 7000 [ACK] Seq=22 Ack=36 Win=2619648 Len=0
12 2020-09-03 19:28:05,930226 127.0.0.1	127.0.0.1	TCP	44 7000 → 64246 [FIN, ACK] Seq=36 Ack=22 Win=2619648 Len=0
13 2020-09-03 19:28:05,930234 127.0.0.1	127.0.0.1	TCP	44 64246 → 7000 [ACK] Seq=22 Ack=37 Win=2619648 Len=0
14 2020-09-03 19:28:05,930329 127.0.0.1	127.0.0.1	TCP	44 64246 → 7000 [FIN, ACK] Seq=22 Ack=37 Win=2619648 Len=0
15 2020-09-03 19:28:05,930338 127.0.0.1	127.0.0.1	TCP	44 7000 → 64246 [ACK] Seq=37 Ack=23 Win=2619648 Len=0

589 2020-09-03 19:23:23,516410 127.0.0.1	127.0.0.1	TCP	56 64204 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
590 2020-09-03 19:23:23,516480 127.0.0.1	127.0.0.1	TCP	56 7000 → 64204 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256
591 2020-09-03 19:23:23,516534 127.0.0.1	127.0.0.1	TCP	44 64204 → 7000 [ACK] Seq=1 Ack=1 Win=2619648 Len=0
592 2020-09-03 19:23:23,522286 127.0.0.1	127.0.0.1	TCP	48 64204 → 7000 [PSH, ACK] Seq=1 Ack=1 Win=2619648 Len=4 [TCP segment of
593 2020-09-03 19:23:23,522323 127.0.0.1	127.0.0.1	TCP	44 7000 → 64204 [ACK] Seq=1 Ack=5 Win=2619648 Len=0
594 2020-09-03 19:23:23,537943 127.0.0.1	127.0.0.1	TCP	61 64204 → 7000 [PSH, ACK] Seq=5 Ack=1 Win=2619648 Len=17 [TCP segment c
595 2020-09-03 19:23:23,537974 127.0.0.1	127.0.0.1	TCP	44 7000 → 64204 [ACK] Seq=1 Ack=22 Win=2619648 Len=0
596 2020-09-03 19:23:23,541218 127.0.0.1	127.0.0.1	TCP	48 7000 → 64204 [PSH, ACK] Seq=1 Ack=22 Win=2619648 Len=4 [TCP segment of
597 2020-09-03 19:23:23,541246 127.0.0.1	127.0.0.1	TCP	44 64204 → 7000 [ACK] Seq=22 Ack=5 Win=2619648 Len=0
598 2020-09-03 19:23:23,569503 127.0.0.1	127.0.0.1	TCP	75 7000 → 64204 [PSH, ACK] Seq=5 Ack=22 Win=2619648 Len=31 [TCP segment
599 2020-09-03 19:23:23,569554 127.0.0.1	127.0.0.1	TCP	44 64204 → 7000 [ACK] Seq=22 Ack=36 Win=2619648 Len=0
600 2020-09-03 19:23:23,571220 127.0.0.1	127.0.0.1	TCP	44 7000 → 64204 [FIN, ACK] Seq=36 Ack=22 Win=2619648 Len=0
601 2020-09-03 19:23:23,571243 127.0.0.1	127.0.0.1	TCP	44 64204 → 7000 [ACK] Seq=22 Ack=37 Win=2619648 Len=0
602 2020-09-03 19:23:23,571339 127.0.0.1	127.0.0.1	TCP	44 64204 → 7000 [FIN, ACK] Seq=22 Ack=37 Win=2619648 Len=0
603 2020-09-03 19:23:23,571381 127.0.0.1	127.0.0.1	TCP	44 7000 → 64204 [ACK] Seq=37 Ack=23 Win=2619648 Len=0
604 2020-09-03 19:23:24,880714 127.0.0.1	127.0.0.1	TCP	56 64205 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
605 2020-09-03 19:23:24,880743 127.0.0.1	127.0.0.1	TCP	44 7000 → 64205 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
606 2020-09-03 19:23:25,394768 127.0.0.1	127.0.0.1	TCP	56 [TCP Retransmission] 64205 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=654
607 2020-09-03 19:23:25,394815 127.0.0.1	127.0.0.1	TCP	44 7000 → 64205 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
608 2020-09-03 19:23:25,901501 127.0.0.1	127.0.0.1	TCP	56 [TCP Retransmission] 64205 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=654
609 2020-09-03 19:23:25,901531 127.0.0.1	127.0.0.1	TCP	44 7000 → 64205 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
610 2020-09-03 19:23:26,407772 127.0.0.1			56 [TCP Retransmission] 64205 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=654
611 2020-09-03 19:23:26,407810 127.0.0.1	127.0.0.1	TCP	44 7000 → 64205 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
612 2020-09-03 19:23:26,922762 127.0.0.1	127.0.0.1	TCP	56 [TCP Retransmission] 64205 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=654_
613 2020-09-03 19:23:26,922804 127.0.0.1	127.0.0.1	TCP	44 7000 → 64205 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0

Destination: 127.0.0.1

\*\*Transmission Control Protocol, Src Port: 64205, Dst Port: 7000, Seq: 0, Len: 0

Source Port: 64205

Destination Port: 7000

[Stream index: 2]

[TCP Segment Len: 0]

Sequence number: 0 (relative sequence number)

Sequence number (raw): 1851356975

17:26:17,011348 127.0.0.1	127.0.0.1	TCP	56 52608 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
17:26:17,011446 127.0.0.1	127.0.0.1	TCP	56 7000 → 52608 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
17:26:17,011561 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seq=1 Ack=1 Win=2619648 Len=0
17:26:17,062191 127.0.0.1	127.0.0.1	TCP	48 52608 → 7000 [PSH, ACK] Seq=1 Ack=1 Win=2619648 Len=4 [TCP segment of a reassembled PDU]
17:26:17,062234 127.0.0.1	127.0.0.1	TCP	44 7000 → 52608 [ACK] Seq=1 Ack=5 Win=2619648 Len=0
17:26:17,167186 127.0.0.1	127.0.0.1	TCP	61 52608 → 7000 [PSH, ACK] Seq=5 Ack=1 Win=2619648 Len=17 [TCP segment of a reassembled PDU]
17:26:17,167243 127.0.0.1	127.0.0.1	TCP	44 7000 → 52608 [ACK] Seq=1 Ack=22 Win=2619648 Len=0
17:26:17,171480 127.0.0.1	127.0.0.1	TCP	48 7000 → 52608 [PSH, ACK] Seq=1 Ack=22 Win=2619648 Len=4 [TCP segment of a reassembled PDU]
17:26:17,171527 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seq=22 Ack=5 Win=2619648 Len=0
17:26:17,214607 127.0.0.1	127.0.0.1	TCP	75 7000 → 52608 [PSH, ACK] Seq=5 Ack=22 Win=2619648 Len=31 [TCP segment of a reassembled PDU]
17:26:17,214672 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seq=22 Ack=36 Win=2619648 Len=0
17:26:17,241736 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [FIN, ACK] Seq=22 Ack=36 Win=2619648 Len=0
17:26:17,241782 127.0.0.1	127.0.0.1	TCP	44 7000 → 52608 [ACK] Seq=36 Ack=23 Win=2619648 Len=0
17:26:17,256602 127.0.0.1	127.0.0.1	TCP	44 7000 → 52608 [FIN, ACK] Seq=36 Ack=23 Win=2619648 Len=0
17:26:17,256674 127.0.0.1	127.0.0.1	TCP	44 52608 → 7000 [ACK] Seq=23 Ack=37 Win=2619648 Len=0

```
-C- Conectando ao servidor ->127.0.0.1:7000
-C- O seguinte problema ocorreu :
java.net.ConnectException: Connection refused: connect
```

```
220-09-03 17:36:36,962757 127.0.0.1 127.0.0.1 1CP 56 [TCP Retransmission] 52699 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK
20-09-03 17:36:37,468884 127.0.0.1 127.0.0.1 TCP 56 [TCP Retransmission] 52699 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK
20-09-03 17:36:38,479340 127.0.0.1 127.0.0.1 TCP 56 [TCP Retransmission] 52699 → 7000 [SVN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK
 Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
Transmission Control Protocol, Src Port: 52699, Dst Port: 7000, Seq: 0, Len: 0
    Source Port: 52699
    Destination Port: 7000
    [Stream index: 0]
    [TCP Segment Len: 0]
    Sequence number: 0
                         (relative sequence number)
    Sequence number (raw): 1449729710
[Next sequence number: 1 (relative sequence number)]
    Acknowledgment number: 0
 Acknowledgment number: 0
Acknowledgment number (raw): 0
1000 .... = Header Length: 32 bytes (8)
> Flags: 0x002 (SYN)
Window size value: 65535
[Calculated window size: 65535]
    Checksum: 0x189f [unverified]
[Checksum Status: Unverified]
   Urgent pointer: 0
Options: (12 bytes), Maximum segment size, No-Operation (NOP), Window scale, No-Operation (NOP), No-Operation (NOP), SACK permitted
[SEQ/ACK analysis]
  > [Timestamps]
```

```
trv
    int PortaServidor = 7000;
    //INICIALIZA UM SERVIÇO DE ESCUTA POR CONEXÕES NA PORTA ESPECIFICADA
    System.out.println(" -S- Aguardando conexao (P:"+PortaServidor+")...");
    ServerSocket socktServ = new ServerSocket (PortaServidor);
    while (n<3) {
        //ESPERA (BLOOUEADO) POR CONEXÕES
        Socket conSer = socktServ.accept(); //RECEBE CONEXÃO E CRIA UM NOVO CANAL (p) NO SENTIDO CONTRÁRIO (SERVIDOR -> CLIENTE)
        System.out.println(" -S- Conectado ao cliente ->" + conSer.toString());
        //CRIA UM PACOTE DE ENTRADA PARA RECEBER MENSAGENS, ASSOCIADO À CONEXÃO (p)
        ObjectInputStream sServIn = new ObjectInputStream(conSer.getInputStream());
        {\tt System.out.println("-S-Recebendo mensagem...");}
        System.out.println(" -S- Recebido: " + msgIn.toString());
        //CRIA UM PACOTE DE SAÍDA PARA ENVIAR MENSAGENS, ASSOCIANDO-O À CONEXÃO (p)
        ObjectOutputStream sSerOut = new ObjectOutputStream(conSer.getOutputStream());
sSerOut.writeObject("RETORNO" + msgIn.toString() + " - TCP"); //ESCREVE NO PACOTE
        System.out.println(" -S- Enviando mensagem resposta...");
        sSerOut.flush(); //ENVIA O PACOTE
        //FINALIZA A CONEXÃO
        conSer.close();
        System.out.println(" -S- Conexao finalizada...");
    socktServ.close();
catch (Exception e) //SE OCORRER ALGUMA EXCESSÃO, ENTÃO DEVE SER TRATADA (AMIGAVELMENTE)
    System.out.println(" -S- 0 seguinte problema ocorreu : \n" + e.toString());
```

No.	Time	Source	Destination	Protocol	Length Info
Г	1 2020-09-03	18:40:00,671773 127.0.0.1	127.0.0.1	TCP	56 53790 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
	2 2020-09-03	18:40:00,671818 127.0.0.1	127.0.0.1	TCP	56 7000 → 53790 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256
	3 2020-09-03	18:40:00,671842 127.0.0.1	127.0.0.1	TCP	44 53790 → 7000 [ACK] Seq=1 Ack=1 Win=2619648 Len=0
	4 2020-09-03	18:40:00,675795 127.0.0.1	127.0.0.1	TCP	48 53790 → 7000 [PSH, ACK] Seq=1 Ack=1 Win=2619648 Len=4 [TCP segment of
	5 2020-09-03	18:40:00,675815 127.0.0.1	127.0.0.1	TCP	44 7000 → 53790 [ACK] Seq=1 Ack=5 Win=2619648 Len=0
	6 2020-09-03	18:40:00,686234 127.0.0.1	127.0.0.1	TCP	61 53790 → 7000 [PSH, ACK] Seq=5 Ack=1 Win=2619648 Len=17 [TCP segment c
	7 2020-09-03	18:40:00,686257 127.0.0.1	127.0.0.1	TCP	44 7000 → 53790 [ACK] Seq=1 Ack=22 Win=2619648 Len=0
	8 2020-09-03	18:40:00,687965 127.0.0.1	127.0.0.1	TCP	48 7000 → 53790 [PSH, ACK] Seq=1 Ack=22 Win=2619648 Len=4 [TCP segment of
	9 2020-09-03	18:40:00,687981 127.0.0.1	127.0.0.1	TCP	44 53790 → 7000 [ACK] Seq=22 Ack=5 Win=2619648 Len=0
	10 2020-09-03	18:40:00,706863 127.0.0.1	127.0.0.1	TCP	75 7000 → 53790 [PSH, ACK] Seq=5 Ack=22 Win=2619648 Len=31 [TCP segment
	11 2020-09-03	18:40:00,706890 127.0.0.1	127.0.0.1	TCP	44 53790 → 7000 [ACK] Seq=22 Ack=36 Win=2619648 Len=0
	12 2020-09-03	18:40:00,707865 127.0.0.1	127.0.0.1	TCP	44 7000 → 53790 [FIN, ACK] Seq=36 Ack=22 Win=2619648 Len=0
	13 2020-09-03	18:40:00,707879 127.0.0.1	127.0.0.1	TCP	44 53790 → 7000 [ACK] Seq=22 Ack=37 Win=2619648 Len=0
	14 2020-09-03	18:40:00,708075 127.0.0.1	127.0.0.1	TCP	44 53790 → 7000 [FIN, ACK] Seq=22 Ack=37 Win=2619648 Len=0
	15 2020-09-03	18:40:00,708112 127.0.0.1	127.0.0.1	TCP	44 7000 → 53790 [ACK] Seq=37 Ack=23 Win=2619648 Len=0
	16 2020-09-03	18:40:03,100133 127.0.0.1	127.0.0.1	TCP	56 53792 → 7000 [SYN] Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM=1
	17 2020-09-03	18:40:03,100176 127.0.0.1	127.0.0.1	TCP	56 7000 → 53792 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256
	18 2020-09-03	18:40:03,100246 127.0.0.1	127.0.0.1	TCP	44 53792 → 7000 [ACK] Seq=1 Ack=1 Win=2619648 Len=0
	19 2020-09-03	18:40:03,103519 127.0.0.1	127.0.0.1	TCP	48 53792 → 7000 [PSH, ACK] Seq=1 Ack=1 Win=2619648 Len=4 [TCP segment of
	20 2020-09-03	18:40:03,103546 127.0.0.1	127.0.0.1	TCP	44 7000 → 53792 [ACK] Seq=1 Ack=5 Win=2619648 Len=0
	21 2020-09-03	18:40:03,114366 127.0.0.1	127.0.0.1	TCP	61 53792 → 7000 [PSH, ACK] Seq=5 Ack=1 Win=2619648 Len=17 [TCP segment c
	22 2020-09-03	18:40:03,114391 127.0.0.1	127.0.0.1	TCP	44 7000 → 53792 [ACK] Seq=1 Ack=22 Win=2619648 Len=0
	23 2020-09-03	18:40:03,114748 127.0.0.1	127.0.0.1	TCP	48 7000 → 53792 [PSH, ACK] Seq=1 Ack=22 Win=2619648 Len=4 [TCP segment of
	24 2020-09-03	18:40:03,114768 127.0.0.1	127.0.0.1	TCP	44 53792 → 7000 [ACK] Seq=22 Ack=5 Win=2619648 Len=0
	25 2020-09-03	18:40:03,114879 127.0.0.1	127.0.0.1	TCP	75 7000 → 53792 [PSH, ACK] Seq=5 Ack=22 Win=2619648 Len=31 [TCP segment
	26 2020-09-03	18:40:03,114893 127.0.0.1	127.0.0.1	TCP	44 53792 → 7000 [ACK] Seq=22 Ack=36 Win=2619648 Len=0
	27 2020-09-03	18:40:03,115179 127.0.0.1	127.0.0.1	TCP	44 7000 → 53792 [FIN, ACK] Seq=36 Ack=22 Win=2619648 Len=0
	28 2020-09-03	18:40:03,115194 127.0.0.1	127.0.0.1	TCP	44 53792 → 7000 [ACK] Seq=22 Ack=37 Win=2619648 Len=0
	29 2020-09-03	18:40:03,121697 127.0.0.1	127.0.0.1	TCP	44 53792 → 7000 [FIN, ACK] Seq=22 Ack=37 Win=2619648 Len=0
	30 2020-09-03	18:40:03,121729 127.0.0.1	127.0.0.1	TCP	44 7000 → 53792 [ACK] Seq=37 Ack=23 Win=2619648 Len=0
	24 2020 00 02	10-40-00 020422 127 0 0 1	127 0 0 1	TCD	THE FORM A TOOM FOUND OUT A LIGHT CEFTE I THE A MODE CEASE LICE OF CACH DEDM A
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Frame 12: 44 bytes on wire (352 bits), 44 bytes captured (352 bits) on interface \Device\NPF\_Loopback, id 0 > Interface id: 0 (\Device\NPF\_Loopback) Encapsulation type: NULL/Loopback (15) Arrival Time: Sep 3, 2020 18:40:00.707865000 Hora oficial do Brasil [Time shift for this packet: 0.0000000000 seconds] Epoch Time: 1599169200.707865000 seconds