

# Apéndice E

## Sniffing de sesiones

### E.1. kjGateway sniffing

Esta es una sesión iniciada por kjGateway hacia un bearerbox.

No.	Time	Source	Destination	Protocol
	Info			
108	11.630130	127.0.0.1	127.0.0.1	TCP
		33449 > ircd [PSH, ACK] Seq=1 Ack=1 Win=32767 Len=16 TSV=1985276 TSER=1985266		
Frame 108 (82 bytes on wire, 82 bytes captured)				
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00				
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1 (127.0.0.1)				
Transmission Control Protocol, Src Port: 33449 (33449), Dst Port: ircd (6667), Seq: 1, Ack: 1, Len: 16				
Data (16 bytes)				
0000	00 00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00	.....E.		
0010	00 44 d2 fd 40 00 40 06 69 b4 7f 00 00 01 7f 00	.D..@.@.i.....		
0020	00 01 82 a9 1a 0b db 2e 98 0a db e9 78 c0 80 18	.....x...		
0030	7f ff fd d0 00 00 01 01 08 0a 00 1e 4a fc 00 1e	.....J...		
0040	4a f2 00 00 00 0c 00 00 00 01 00 00 00 03 ff ff	J.....		
0050	ff ff	..		

```
No.      Time      Source      Destination      Protocol
Info
113 21.681347 127.0.0.1      127.0.0.1      TCP
      33449 > ircd [PSH, ACK] Seq=17 Ack=1 Win=32767 Len=12
      TSV=1986281 TSER=1985276
```

```
Frame 113 (78 bytes on wire, 78 bytes captured)
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1
(127.0.0.1)
Transmission Control Protocol, Src Port: 33449 (33449), Dst Port: ircd
(6667), Seq: 17, Ack: 1, Len: 12
Data (12 bytes)
```

```
0000 00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 40 d2 fe 40 00 40 06 69 b7 7f 00 00 01 7f 00 ..@...@.i.....
0020 00 01 82 a9 1a 0b db 2e 98 1a db e9 78 c0 80 18 .....x...
0030 7f ff f9 d5 00 00 01 01 08 0a 00 1e 4e e9 00 1e .....N...
0040 4a fc 00 00 00 08 00 00 00 00 00 00 00 00 00 J.....
```

```
No.      Time      Source      Destination      Protocol
Info
128 55.669801 127.0.0.1      127.0.0.1      TCP
      ircd > 33449 [PSH, ACK] Seq=1 Ack=65 Win=32767 Len=167
      TSV=1989680 TSER=1989284
```

```
Frame 128 (233 bytes on wire, 233 bytes captured)
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1
(127.0.0.1)
Transmission Control Protocol, Src Port: ircd (6667), Dst Port: 33449
(33449), Seq: 1, Ack: 65, Len: 167
Data (167 bytes)
```

```
0000 00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 db 32 37 40 00 40 06 09 e4 7f 00 00 01 7f 00 ..27@.@.....
0020 00 01 1a 0b 82 a9 db e9 78 c0 db 2e 98 4a 80 18 .....x...J..
0030 7f ff 3d 30 00 00 01 01 08 0a 00 1e 5c 30 00 1e ..=0.....\0..
0040 5a a4 00 00 00 a3 00 00 00 02 00 00 00 05 32 32 Z.....22
0050 32 31 31 00 00 00 03 34 34 34 ff ff ff ff 00 00 211....444.....
0060 00 04 68 6f 6c 61 42 76 4d fd 00 00 00 07 74 65 ..holaBvM.....te
0070 73 74 5f 30 30 ff ff ff ff ff ff ff ff 00 00 00 st_00.....
0080 24 61 34 34 37 32 61 36 66 2d 36 66 38 65 2d 34 $a4472a6f-6f8e-4
0090 66 61 33 2d 38 35 31 37 2d 63 35 66 62 34 39 64 fa3-8517-c5fb49d
00a0 37 62 65 39 64 00 00 00 00 ff ff ff ff ff ff ff 7be9d.....
```

```
00b0 ff 00 00 00 00 00 00 00 00 ff ff ff ff ff ff ff .....
00c0 ff ff ff ff ff ff ff ff ff 00 00 00 00 00 00 .....
00d0 00 ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff .....
00e0 ff ff ff ff ff 00 00 00 00 .....
```

```
No.      Time      Source      Destination      Protocol
Info
142 55.873571 127.0.0.1    127.0.0.1        TCP
      33449 > ircd [PSH, ACK] Seq=65 Ack=168 Win=32767 Len=56
      TSV=1989700 TSER=1989680
```

```
Frame 142 (122 bytes on wire, 122 bytes captured)
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1
(127.0.0.1)
Transmission Control Protocol, Src Port: 33449 (33449), Dst Port: ircd
(6667), Seq: 65, Ack: 168, Len: 56
Data (56 bytes)
```

```
0000 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 6c d3 03 40 00 40 06 69 86 7f 00 00 01 7f 00 ..l..@.@.i.....
0020 00 01 82 a9 1a 0b db 2e 98 4a db e9 79 67 80 18 .....J..yg..
0030 7f ff 25 ab 00 00 01 01 08 0a 00 1e 5c 44 00 1e ..%......\D..
0040 5c 30 00 00 00 34 00 00 00 03 00 00 00 00 42 76 \0...4.....Bv
0050 4d fe 00 00 00 24 61 34 34 37 32 61 36 66 2d 36 M....$a4472a6f-6
0060 66 38 65 2d 34 66 61 33 2d 38 35 31 37 2d 63 35 f8e-4fa3-8517-c5
0070 66 62 34 39 64 37 62 65 39 64 .....fb49d7be9d
```

```
No.      Time      Source      Destination      Protocol
Info
152 56.248922 127.0.0.1    127.0.0.1        TCP
      33449 > ircd [PSH, ACK] Seq=121 Ack=168 Win=32767 Len=168
      TSV=1989737 TSER=1989700
```

```
Frame 152 (234 bytes on wire, 234 bytes captured)
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1
(127.0.0.1)
Transmission Control Protocol, Src Port: 33449 (33449), Dst Port: ircd
(6667), Seq: 121, Ack: 168, Len: 168
Data (168 bytes)
```

```
0000 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 dc d3 04 40 00 40 06 69 15 7f 00 00 01 7f 00 ....@.@.i.....
0020 00 01 82 a9 1a 0b db 2e 98 82 db e9 79 67 80 18 .....yg..
```

```

0030  7f ff f8 9d 00 00 01 01 08 0a 00 1e 5c 69 00 1e  .....\i...
0040  5c 44 00 00 00 a4 00 00 00 02 00 00 00 03 34 34  \D.....44
0050  34 00 00 00 05 32 32 32 31 31 ff ff ff ff 00 00  4....22211.....
0060  00 0c 48 6f 6c 61 20 6d 75 6e 64 6f 20 21 42 76  ..Hola mundo !Bv
0070  4d fe ff ff ff ff ff ff ff ff ff ff ff ff 00 00  M.....
0080  00 24 65 66 36 37 35 39 30 35 2d 62 62 32 32 2d  .$ef675905-bb22-
0090  31 31 64 39 2d 38 33 39 62 2d 64 33 30 66 35 66  11d9-839b-d30f5f
00a0  65 39 31 33 34 34 00 00 00 01 ff ff ff ff ff ff  e91344.....
00b0  ff ff 00 00 00 00 00 00 00 00 ff ff ff ff ff ff  .....
00c0  ff ff ff ff ff ff ff ff ff ff 00 00 00 00 00 00  .....
00d0  00 00 ff ff ff ff ff ff ff ff ff ff ff ff ff ff  .....
00e0  ff ff ff ff ff ff 00 00 00 00  .....
    
```

No.	Time	Source	Destination	Protocol
				Info
154	56.249668	127.0.0.1	127.0.0.1	TCP
		ircd > 33449 [PSH, ACK] Seq=168 Ack=289 Win=32767 Len=56		
		TSV=1989738 TSER=1989737		

```

Frame 154 (122 bytes on wire, 122 bytes captured)
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1
(127.0.0.1)
Transmission Control Protocol, Src Port: ircd (6667), Dst Port: 33449
(33449), Seq: 168, Ack: 289, Len: 56
Data (56 bytes)
    
```

```

0000  00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00  .....E.
0010  00 6c 32 3a 40 00 40 06 0a 50 7f 00 00 01 7f 00  .12:@.@..P.....
0020  00 01 1a 0b 82 a9 db e9 79 67 db 2e 99 2a 80 18  .....yg...*...
0030  7f ff 98 c5 00 00 01 01 08 0a 00 1e 5c 6a 00 1e  .....\j...
0040  5c 69 00 00 00 34 00 00 00 03 00 00 00 00 42 76  \i...4.....Bv
0050  4d fe 00 00 00 24 65 66 36 37 35 39 30 35 2d 62  M....$ef675905-b
0060  62 32 32 2d 31 31 64 39 2d 38 33 39 62 2d 64 33  b22-11d9-839b-d3
0070  30 66 35 66 65 39 31 33 34 34  .....0f5fe91344
    
```

## E.2. smsbox sniffing

Esta es una sesión iniciada por smsbox de kannel hacia un bearerbox.

No.	Time	Source	Destination	Protocol
11	6.863556	127.0.0.1	127.0.0.1	TCP
Info 33439 > ircd [PSH, ACK] Seq=1 Ack=1 Win=32767 Len=16 TSV=1952324 TSER=1952312				

Frame 11 (82 bytes on wire, 82 bytes captured)  
 Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00  
 Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1 (127.0.0.1)  
 Transmission Control Protocol, Src Port: 33439 (33439), Dst Port: ircd (6667), Seq: 1, Ack: 1, Len: 16  
 Data (16 bytes)

```

0000 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 44 14 94 40 00 40 06 28 1e 7f 00 00 01 7f 00 .D..@.@.(.....
0020 00 01 82 9f 1a 0b c6 4b de ab c6 90 3e 72 80 18 .....K....>r..
0030 7f ff 1d 37 00 00 01 01 08 0a 00 1d ca 44 00 1d ...7.....D..
0040 ca 38 00 00 00 0c 00 00 00 01 00 00 00 03 ff ff .8.....
0050 ff ff ..
    
```

No.	Time	Source	Destination	Protocol
19	27.536822	127.0.0.1	127.0.0.1	TCP
Info ircd > 33439 [PSH, ACK] Seq=1 Ack=17 Win=32767 Len=168 TSV=1954392 TSER=1952324				

Frame 19 (234 bytes on wire, 234 bytes captured)  
 Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00  
 Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1 (127.0.0.1)  
 Transmission Control Protocol, Src Port: ircd (6667), Dst Port: 33439 (33439), Seq: 1, Ack: 17, Len: 168  
 Data (168 bytes)

```

0000 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 dc f4 4b 40 00 40 06 47 ce 7f 00 00 01 7f 00 ...K@.@.G.....
0020 00 01 1a 0b 82 9f c6 90 3e 72 c6 4b de bb 80 18 .....>r.K....
0030 7f ff c4 e1 00 00 01 01 08 0a 00 1d d2 58 00 1d .....X..
0040 ca 44 00 00 00 a4 00 00 00 02 00 00 00 06 32 32 .D.....22
0050 32 31 31 31 00 00 00 03 34 34 34 ff ff ff ff 00 2111...444....
0060 00 00 04 68 6f 6c 61 42 76 4c 9c 00 00 00 07 74 ...holaBvL.....t
    
```

```

0070 65 73 74 5f 30 30 ff ff ff ff ff ff ff ff 00 00 est_00.....
0080 00 24 61 34 61 64 31 30 37 35 2d 35 39 33 64 2d . $a4ad1075-593d-
0090 34 31 62 35 2d 61 33 65 31 2d 39 31 33 32 36 38 41b5-a3e1-913268
00a0 31 37 36 31 30 34 00 00 00 00 ff ff ff ff ff ff 176104.....
00b0 ff ff 00 00 00 00 00 00 00 00 ff ff ff ff ff ff .....
00c0 ff ff ff ff ff ff ff ff ff ff 00 00 00 00 00 .....
00d0 00 00 ff ff ff ff ff ff ff ff ff ff ff ff ff .....
00e0 ff ff ff ff ff ff 00 00 00 00 .....
    
```

No.	Time	Source	Destination	Protocol
				Info
22	27.560982	127.0.0.1	127.0.0.1	TCP
		33439 > ircd [PSH, ACK] Seq=17 Ack=169 Win=32767 Len=168 TSV=1954394 TSER=1954392		

Frame 22 (234 bytes on wire, 234 bytes captured)  
 Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00  
 Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1 (127.0.0.1)  
 Transmission Control Protocol, Src Port: 33439 (33439), Dst Port: ircd (6667), Seq: 17, Ack: 169, Len: 168  
 Data (168 bytes)

```

0000 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00 .....E.
0010 00 dc 14 96 40 00 40 06 27 84 7f 00 00 01 7f 00 ....@.@.'.....
0020 00 01 82 9f 1a 0b c6 4b de bb c6 90 3f 1a 80 18 .....K....?...
0030 7f ff 8b a7 00 00 01 01 08 0a 00 1d d2 5a 00 1d .....Z..
0040 d2 58 00 00 00 a4 00 00 00 02 00 00 00 04 34 33 .X.....43
0050 37 38 00 00 00 06 32 32 32 31 31 31 ff ff ff ff 78....222111....
0060 00 00 00 0a 68 6f 6c 61 20 6d 75 6e 64 6f 42 76 ....hola mundoBv
0070 4c 9c ff ff ff ff ff ff ff ff ff ff ff ff 00 00 L.....
0080 00 24 32 33 62 33 63 61 38 65 2d 61 39 32 35 2d . $23b3ca8e-a925-
0090 34 63 32 63 2d 62 33 66 30 2d 30 64 30 30 32 36 4c2c-b3f0-0d0026
00a0 34 31 61 36 34 30 00 00 00 01 ff ff ff ff ff ff 41a640.....
00b0 ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff .....
00c0 ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff .....
00d0 ff ff ff ff ff ff ff ff ff ff ff ff ff ff ff .....
00e0 ff ff ff ff ff ff ff ff ff .....
    
```

No.	Time	Source	Destination	Protocol
				Info
24	27.561222	127.0.0.1	127.0.0.1	TCP
		33439 > ircd [PSH, ACK] Seq=185 Ack=169 Win=32767 Len=56 TSV=1954394 TSER=1954394		

Frame 24 (122 bytes on wire, 122 bytes captured)  
 Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00  
 Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1  
 (127.0.0.1)  
 Transmission Control Protocol, Src Port: 33439 (33439), Dst Port: ircd  
 (6667), Seq: 185, Ack: 169, Len: 56  
 Data (56 bytes)

```

0000  00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00  .....E.
0010  00 6c 14 97 40 00 40 06 27 f3 7f 00 00 01 7f 00  .l..@.@.'.....
0020  00 01 82 9f 1a 0b c6 4b df 63 c6 90 3f 1a 80 18  .....K.c..?...
0030  7f ff 23 f3 00 00 01 01 08 0a 00 1d d2 5a 00 1d  ..#.....Z..
0040  d2 5a 00 00 00 34 00 00 00 03 00 00 00 00 42 76  .Z...4.....Bv
0050  4c 9c 00 00 00 24 61 34 61 64 31 30 37 35 2d 35  L....$a4ad1075-5
0060  39 33 64 2d 34 31 62 35 2d 61 33 65 31 2d 39 31  93d-41b5-a3e1-91
0070  33 32 36 38 31 37 36 31 30 34                      3268176104
    
```

No.	Time	Source	Destination	Protocol
26	27.569959	127.0.0.1	127.0.0.1	TCP
Info				
ircd > 33439 [PSH, ACK] Seq=169 Ack=241 Win=32767 Len=56				
TSV=1954395 TSER=1954394				

Frame 26 (122 bytes on wire, 122 bytes captured)  
 Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00  
 Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1  
 (127.0.0.1)  
 Transmission Control Protocol, Src Port: ircd (6667), Dst Port: 33439  
 (33439), Seq: 169, Ack: 241, Len: 56  
 Data (56 bytes)

```

0000  00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00  .....E.
0010  00 6c f4 4e 40 00 40 06 48 3b 7f 00 00 01 7f 00  .l.N@.@.H;.....
0020  00 01 1a 0b 82 9f c6 90 3f 1a c6 4b df 9b 80 18  .....?..K....
0030  7f ff 5b d4 00 00 01 01 08 0a 00 1d d2 5b 00 1d  ..[.....[...
0040  d2 5a 00 00 00 34 00 00 00 03 00 00 00 00 42 76  .Z...4.....Bv
0050  4c 9c 00 00 00 24 32 33 62 33 63 61 38 65 2d 61  L....$23b3ca8e-a
0060  39 32 35 2d 34 63 32 63 2d 62 33 66 30 2d 30 64  925-4c2c-b3f0-0d
0070  30 30 32 36 34 31 61 36 34 30                      002641a640
    
```

No.	Time	Source	Destination	Protocol
41	36.556797	127.0.0.1	127.0.0.1	TCP
Info				
33439 > ircd [PSH, ACK] Seq=241 Ack=241 Win=32767 Len=12				
TSV=1955294 TSER=1955289				

```

Frame 41 (78 bytes on wire, 78 bytes captured)
Ethernet II, Src: 00:00:00:00:00:00, Dst: 00:00:00:00:00:00
Internet Protocol, Src Addr: 127.0.0.1 (127.0.0.1), Dst Addr: 127.0.0.1
(127.0.0.1)
Transmission Control Protocol, Src Port: 33439 (33439), Dst Port: ircd
(6667), Seq: 241, Ack: 241, Len: 12
Data (12 bytes)

0000  00 00 00 00 00 00 00 00 00 00 00 00 08 00 45 00  .....E.
0010  00 40 14 9a 40 00 40 06 28 1c 7f 00 00 01 7f 00  .@..@.@.(.....
0020  00 01 82 9f 1a 0b c6 4b df 9b c6 90 3f 62 80 18  .....K....?b..
0030  7f ff 04 28 00 00 01 01 08 0a 00 1d d5 de 00 1d  ...(.
0040  d5 d9 00 00 08 00 00 00 00 00 00 00 00 00 00  .....

```

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