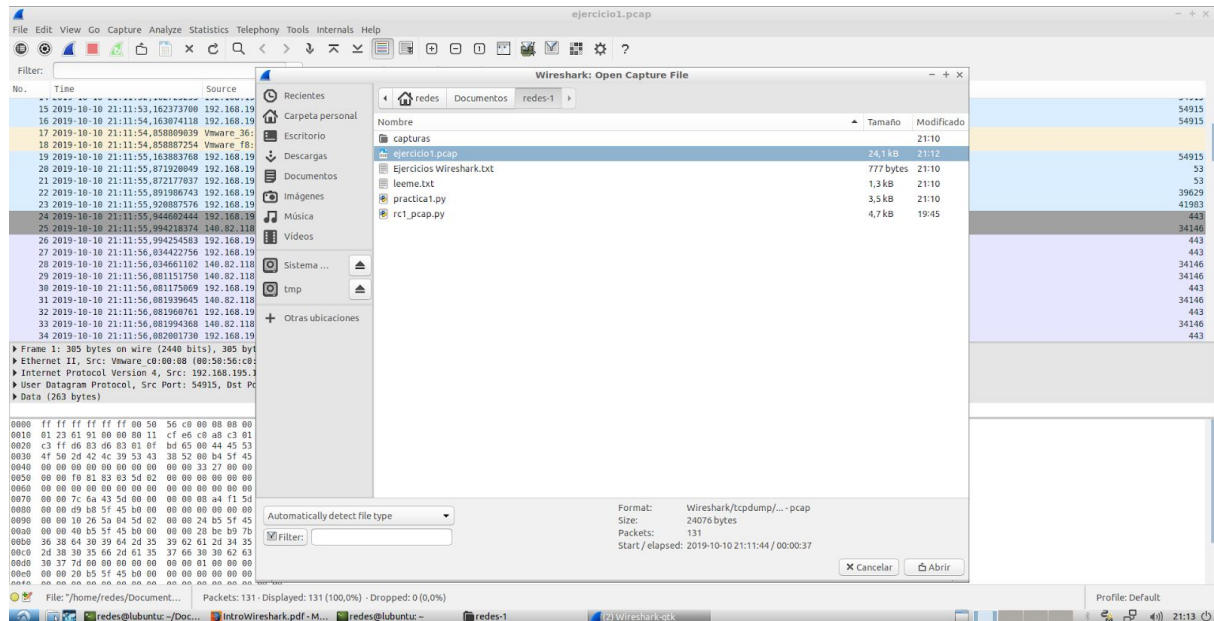
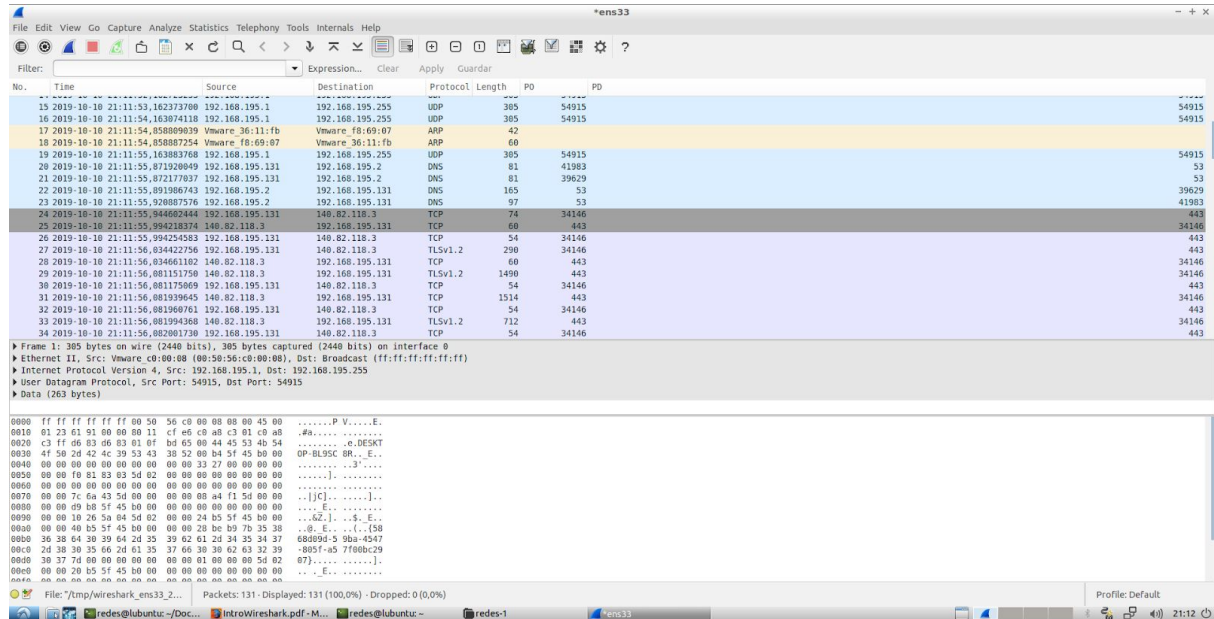


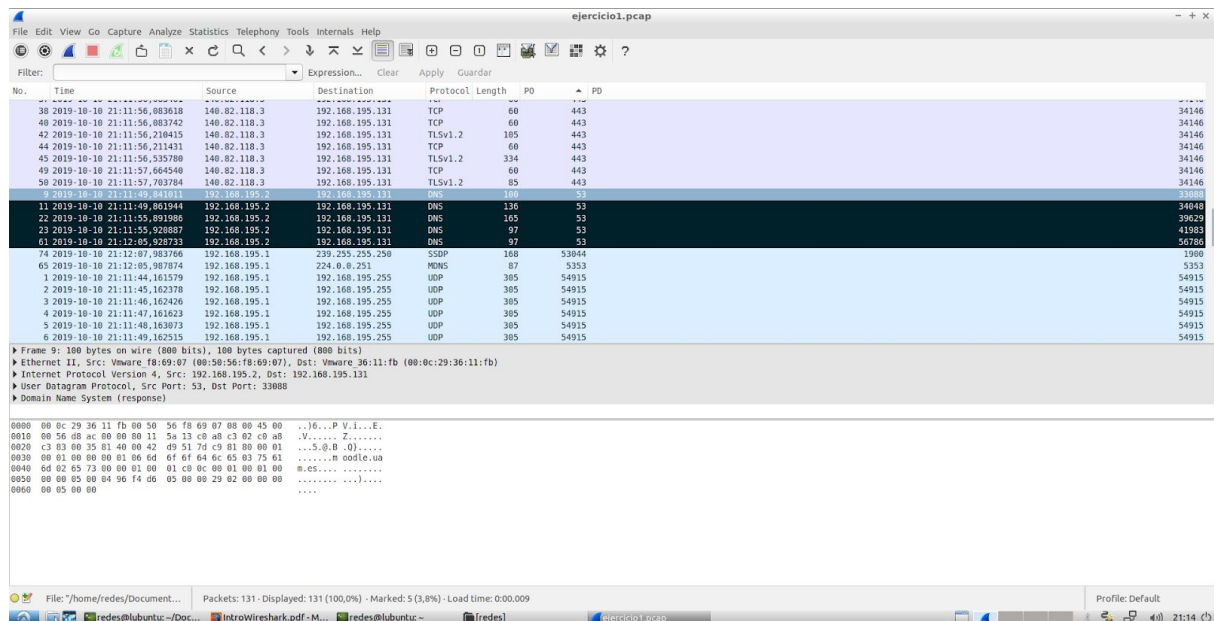
# Práctica 1 - Ejercicio Wireshark

## Alejandro Pascual Pozo y Víctor Yrazusta Ibarra

### Ejercicio 1

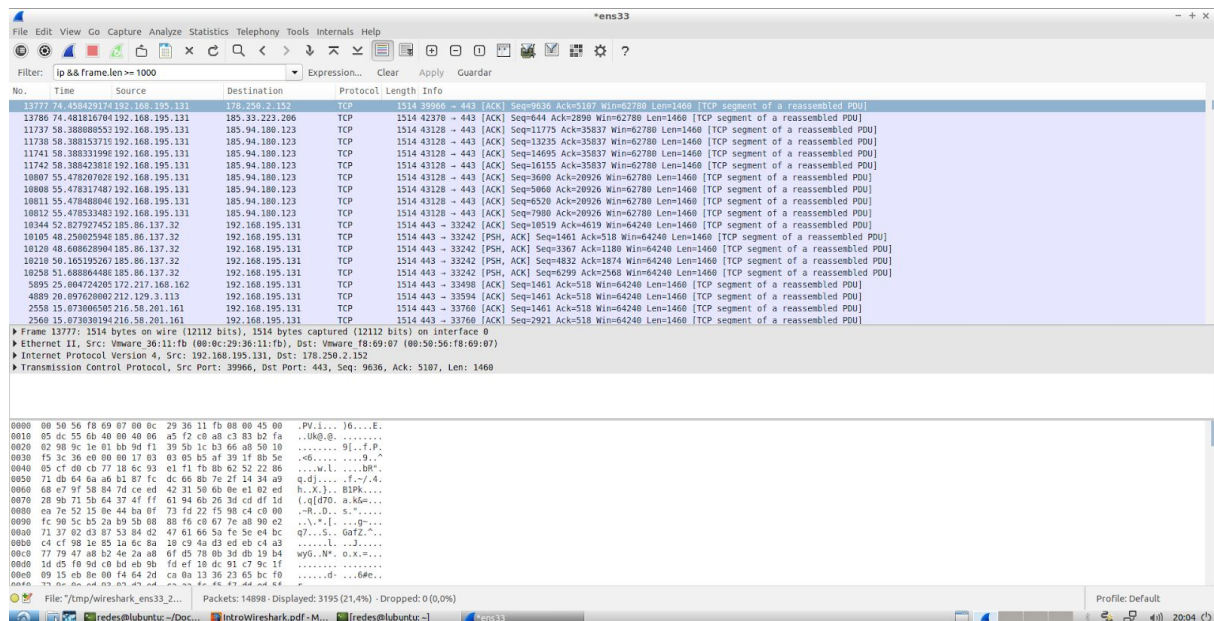
No se nos ha presentado ninguna dificultad especial en este primer ejercicio.

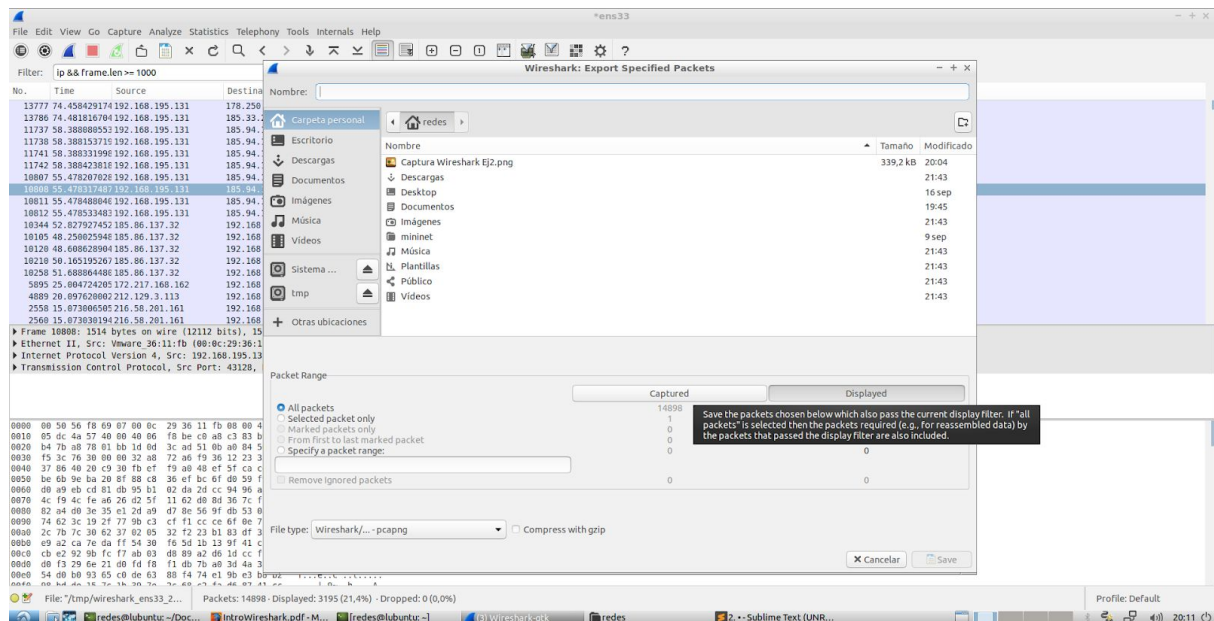




## Ejercicio 2

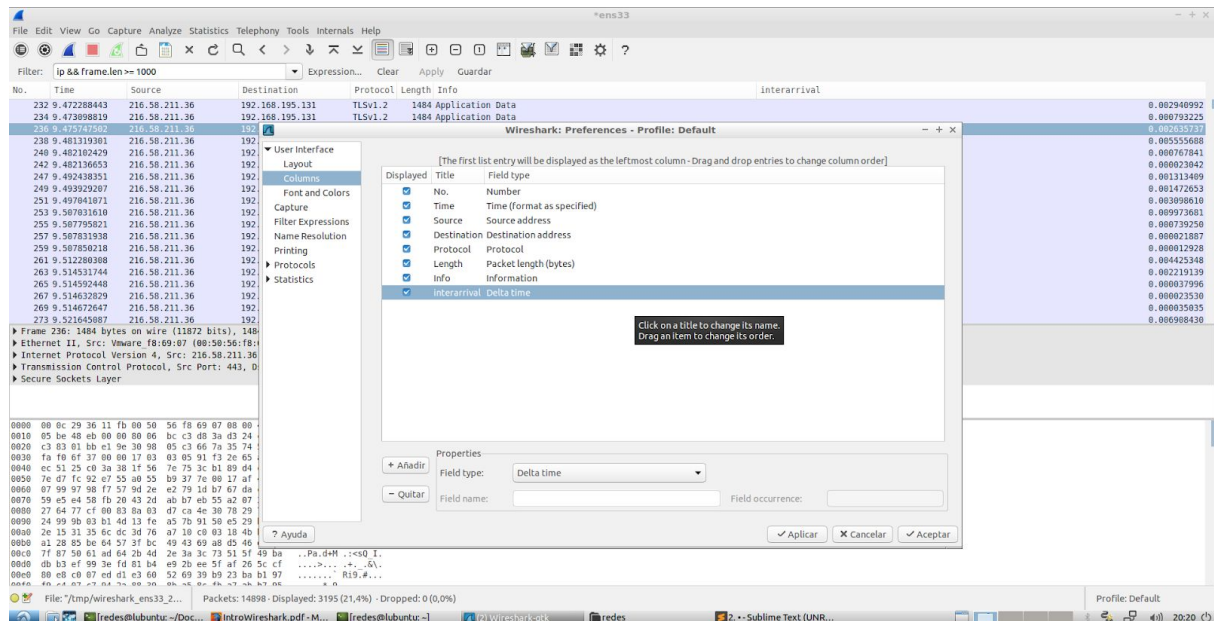
1. El filtro es "ip && frame.len >= 1000".
2. Se puede realizar desde File -> Export specified packets... -> Displayed
3. El tamaño es de entre 1484 y 1514, parece haber un límite superior en el tamaño de los paquetes.





### Ejercicio 3

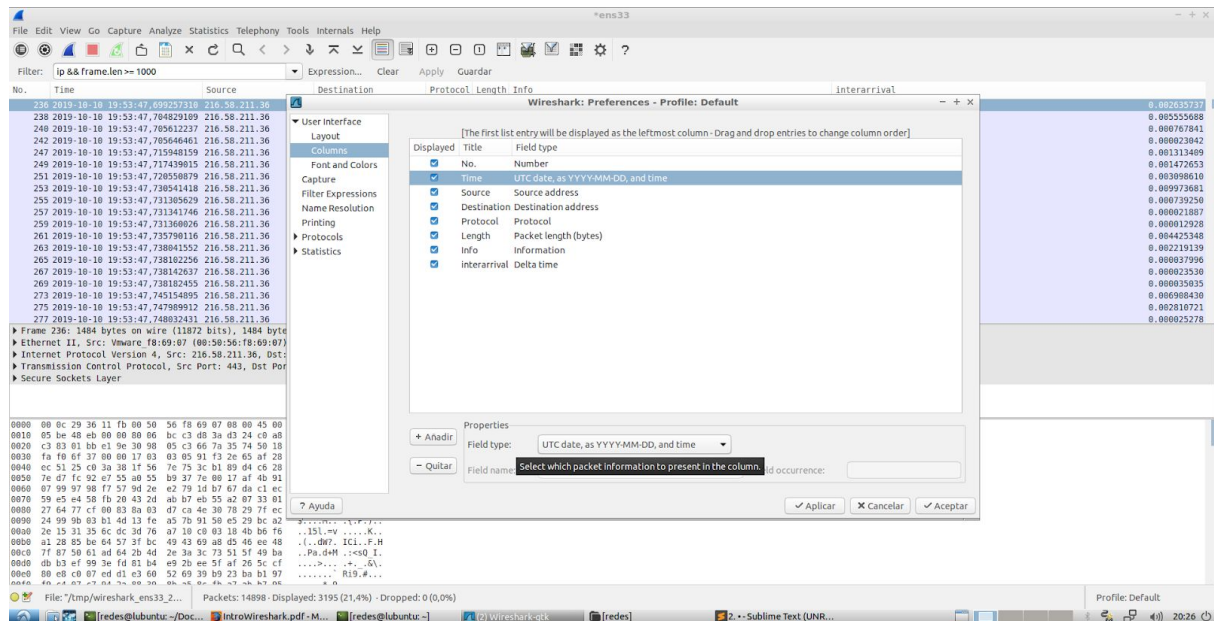
Hay que añadir una nueva columna del tipo "Delta time". Se puede hacer desde:  
Edit -> Preferences -> Columns.





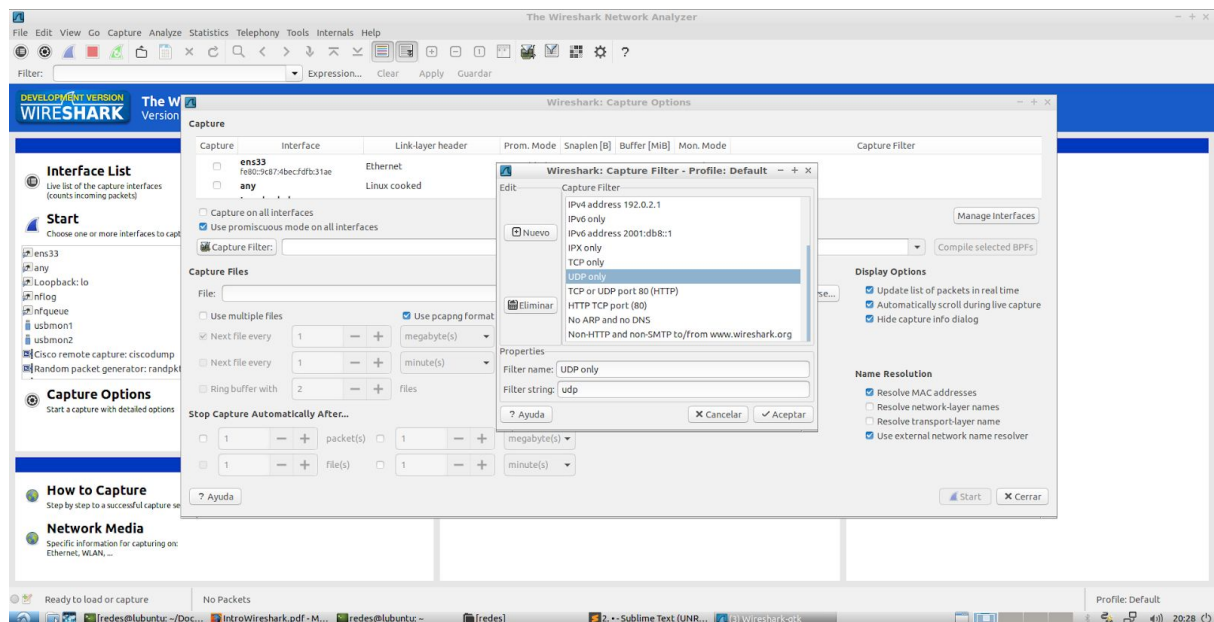
## Ejercicio 4

Hay que modificar la columna de "Time". Esto se realiza en:  
Edit -> Preferences -> Columns -> Time, cambiando el formato de tiempo.



## Ejercicio 5

Al empezar a capturar desde una interfaz podemos establecer un filtro de captura. Para seleccionar el filtro UDP podemos escribir el filtro directamente ("udp") o seleccionarlo de la lista de filtros de wireshark.



Wireshark interface showing packet capture data for \*ens33 (udp). The packet list displays 425 packets, with details for packet 425 (Frame 95) expanded, showing Ethernet II, Internet Protocol Version 4, User Datagram Protocol, and Data (263 bytes) fields. The packet bytes pane shows the raw data in hexadecimal and ASCII.

No.	Time	Source	Destination	Protocol	Length	Info	Interarrival
7	2019-10-10 20:37:17.852526209	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.062156378
10	2019-10-10 20:37:18.852261840	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.876452922
29	2019-10-10 20:37:19.852671444	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.803894524
94	2019-10-10 20:37:26.853321150	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.058096333
55	2019-10-10 20:37:21.852309224	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.999848074
114	2019-10-10 20:37:22.853709416	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.862718730
147	2019-10-10 20:37:23.853059490	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.837344682
162	2019-10-10 20:37:24.853519747	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.785684739
167	2019-10-10 20:37:25.854422312	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.937995531
168	2019-10-10 20:37:26.854138360	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.999717057
201	2019-10-10 20:37:27.854142184	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.009285052
228	2019-10-10 20:37:28.853871077	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.718460361
333	2019-10-10 20:37:29.854042984	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.008409752
352	2019-10-10 20:37:30.854323144	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.011547254
369	2019-10-10 20:37:31.854783087	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.426852325
378	2019-10-10 20:37:32.854312767	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.213609394
389	2019-10-10 20:37:33.855149353	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.545339652
423	2019-10-10 20:37:34.854567480	192.168.195.1	192.168.195.255	UDP	305	54915 → 54915 Len=263	0.012868663
425	2019-10-10 20:37:34.452989132	192.168.195.1	192.168.195.255	UDP	86	57621 → 57621 Len=44	0.357295851

Frame 95: 305 bytes on wire (2440 bits), 305 bytes captured (2440 bits) on interface 0  
Ethernet II, Src: VMware-c8:00:08 (00:50:56:c8:00:08), Dst: Broadcast (ff:ff:ff:ff:ff:ff)  
Internet Protocol Version 4, Src: 192.168.195.1, Dst: 192.168.195.255  
User Datagram Protocol, Src Port: 54915, Dst Port: 54915  
Data (263 bytes)

0000 ff ff ff ff ff ff 00 50 56 c8 00 08 00 00 45 00 .....P V....E.  
0010 01 23 58 04 00 00 00 11 d8 da c8 a5 c3 81 c8 a5 ..AK.....  
0020 c3 ff d6 83 d6 83 01 df d8 84 00 44 45 53 4b 54 .....DESKT  
0030 4f 50 2d 42 4c 39 53 43 38 52 00 b4 5f 45 b0 00 OP-BL95C 8R...E..  
0040 00 00 00 00 00 00 00 00 00 00 33 27 00 00 00 00 .....3'.....  
0050 00 00 f0 81 83 03 5d 02 00 00 00 00 00 00 00 00 .....].  
0060 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....  
0070 00 00 7c 6a 43 5d 00 00 00 00 00 00 00 00 00 00 ..]C].....  
0080 00 00 09 b8 5f 45 b0 00 00 00 00 00 00 00 00 00 .....E.....  
0090 00 00 10 26 5a 04 5d 02 00 00 24 b5 5f 45 b0 00 ...62]. ...E..  
00a0 00 00 40 15 5f 45 b0 00 00 20 a7 b1 70 35 38 ...8.E...[.58  
00b0 36 38 64 30 39 64 2d 35 39 62 61 2d 34 35 34 37 68d89d-5 9da-4547  
00c0 2d 38 30 35 66 2d 61 35 37 66 30 30 62 63 32 39 -895f-a5 7f06bc29  
00d0 38 37 7d 00 00 00 00 00 00 01 00 00 00 5d 02 07).....  
00e0 00 00 20 b5 5f 45 b0 00 00 00 00 00 00 00 00 00 ...E.....