

Δίκτυα Υπολογιστών 2

Session 1

3/12/2020 – 11:30-13:30

Οι κωδικοί που χρησιμοποιήθηκαν κατά την διάρκεια των παρακάτω μετρήσεων καθώς και η public IP Address του router φαίνονται παρακάτω:

Public IP Address: **77.69.100.243**

Client Port: **48013**

Server Port: **38013**

Echo Request Code: **E1456**

Image Request Code: **M4272**

Audio Request Code: **A5977**

IthakiCopter Code: **Q9859**

Vehicle OBD-2 Code: **V1607**

1. Echo Requests with delay for 250 seconds

The image shows a Wireshark packet capture from a Wi-Fi interface (192.168.1.208). The capture shows a series of Echo Requests (UDP) from 192.168.2.3 to 192.168.2.3. The packets are spaced out by 250 seconds, as indicated by the 'Time' column. The first packet is at 0.000000 and the last is at 19.535100. The packet details show the following structure:

- Frame 1: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on interface \Device\NPF_{940F58E2-474F-4806-9405-5CF01612208A}, Id 0
- Ethernet II, Src: Chicony_Fe:dd:dd:1c: (64:5a:04:0e:dd:1c), Dst: 192.168.2.3 (08:00:00:00:00:11)
- Internet Protocol Version 4, Src: 192.168.2.3, Dst: 192.168.2.3
- User Datagram Protocol, Src Port: 58558, Dst Port: 38013
- Data (5 bytes): 4513455a

The packet bytes are displayed in hexadecimal and ASCII at the bottom of the window.

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Wireshark capture of a UDP echo request. The packet is 74 bytes long and contains 32 bytes of data. The data is a string of 32 'a' characters.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|----------|-------------|-------------|----------|--------|----------------------|
| 1 | 0.000000 | 192.168.2.3 | 192.168.2.3 | UDP | 74 | 58013 → 58013 Len=5 |
| 2 | 1.575808 | 192.168.2.3 | 192.168.2.3 | UDP | 74 | 58013 → 58013 Len=32 |

Frame 2: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on Interface \Device\NPF{946F93E-474F-4066-9405-SCF6161220BA}, Id 0

Ethernet II, Src: stc_a8:4c:ad (e0:19:94:a8:4c:ad), Dst: Chicony_E_Scdd:2c (64:5a:04:8a:dd:2c)

Internet Protocol Version 4, Src: 192.168.2.3, Dst: 192.168.2.3

User Datagram Protocol, Src Port: 58013, Dst Port: 58013

Data (32 bytes)

Data: 58052544152542020322d1122d1122032202031313a35313a353205053544f50

[Length: 32]

2. Echo Requests without delay for 250 seconds

Wireshark capture of a UDP echo request. The packet is 47 bytes long and contains 5 bytes of data. The data is a string of 5 'a' characters.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|----------|-------------|-------------|----------|--------|----------------------|
| 1 | 0.000000 | 192.168.2.3 | 192.168.2.3 | UDP | 47 | 56668 → 58013 Len=5 |
| 2 | 0.220973 | 192.168.2.3 | 192.168.2.3 | UDP | 74 | 58013 → 58013 Len=32 |

Frame 1: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on Interface \Device\NPF{946F93E-474F-4066-9405-SCF6161220BA}, Id 0

Ethernet II, Src: Chicony_E_Scdd:2c (64:5a:04:8a:dd:2c), Dst: stc_a8:4c:ad (e0:19:94:a8:4c:ad)

Internet Protocol Version 4, Src: 192.168.2.3, Dst: 192.168.2.3

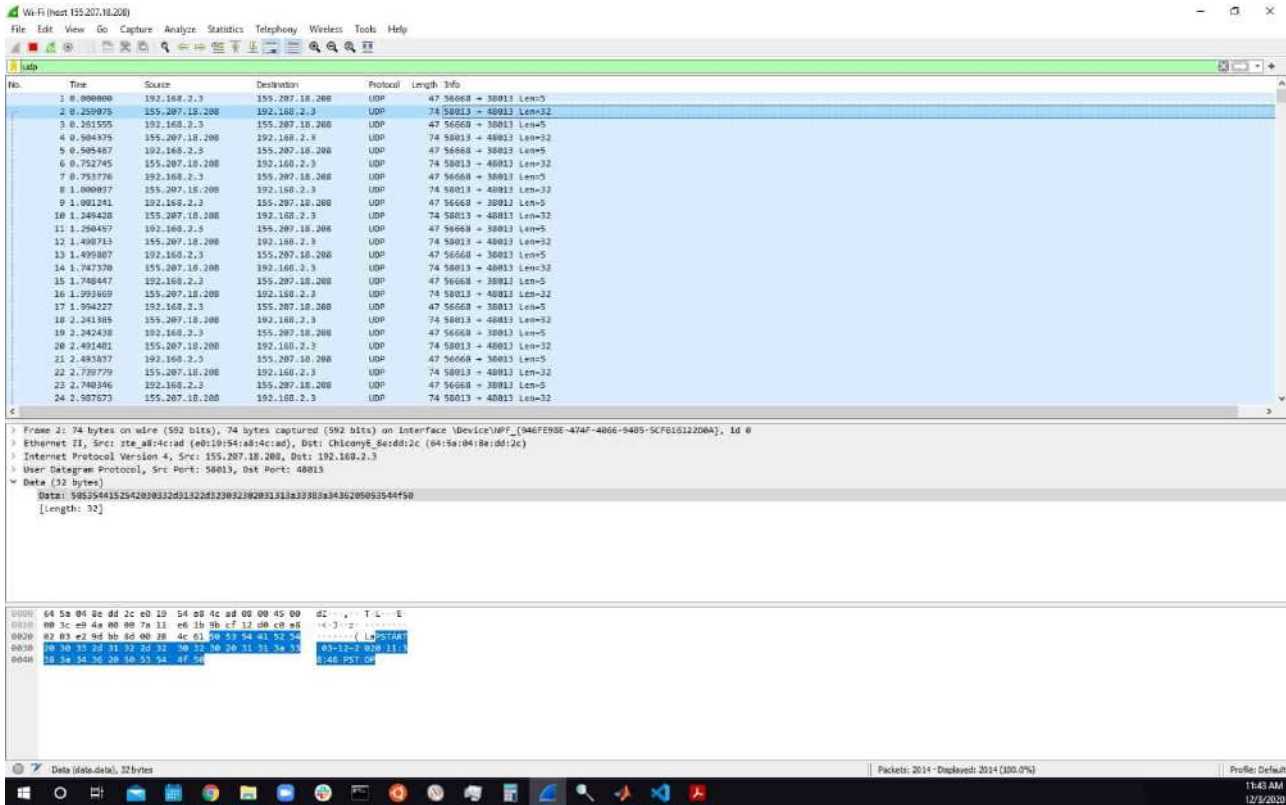
User Datagram Protocol, Src Port: 56668, Dst Port: 58013

Data (5 bytes)

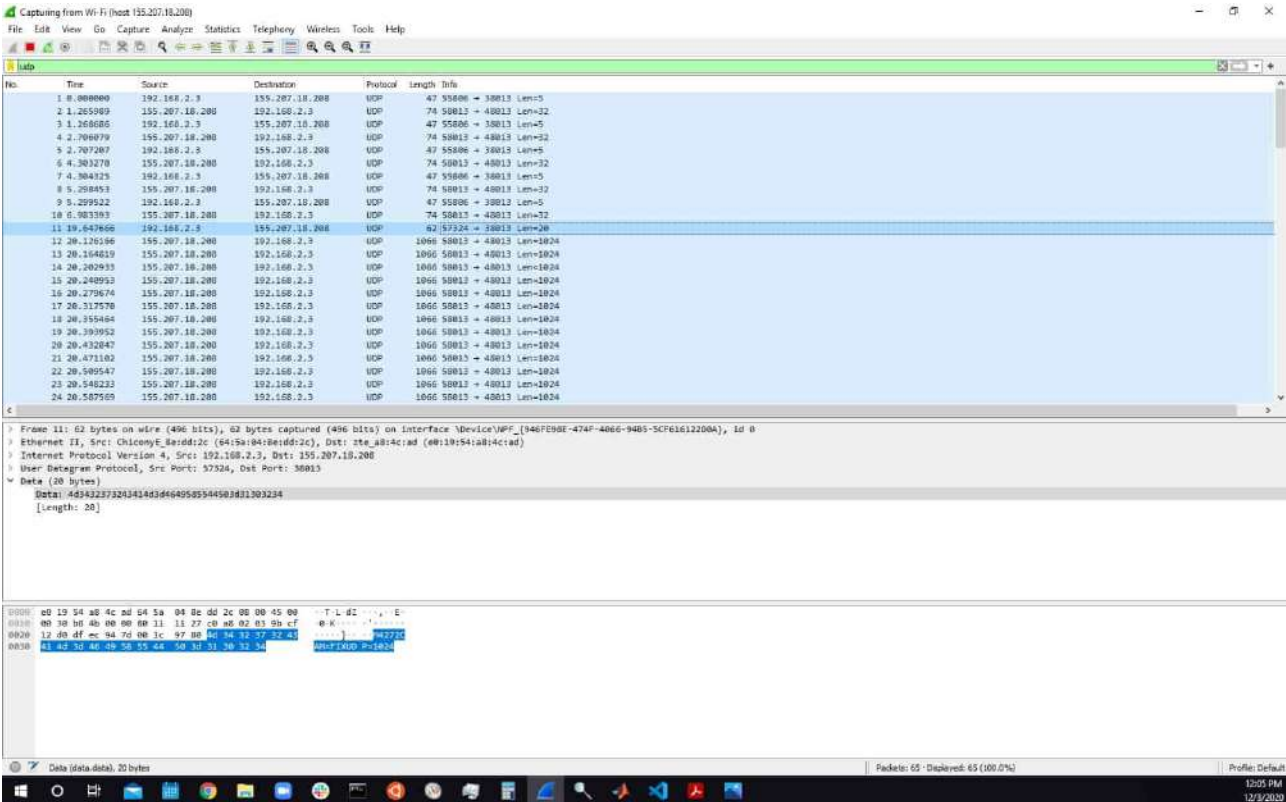
Data: 4a20a02020

[Length: 5]

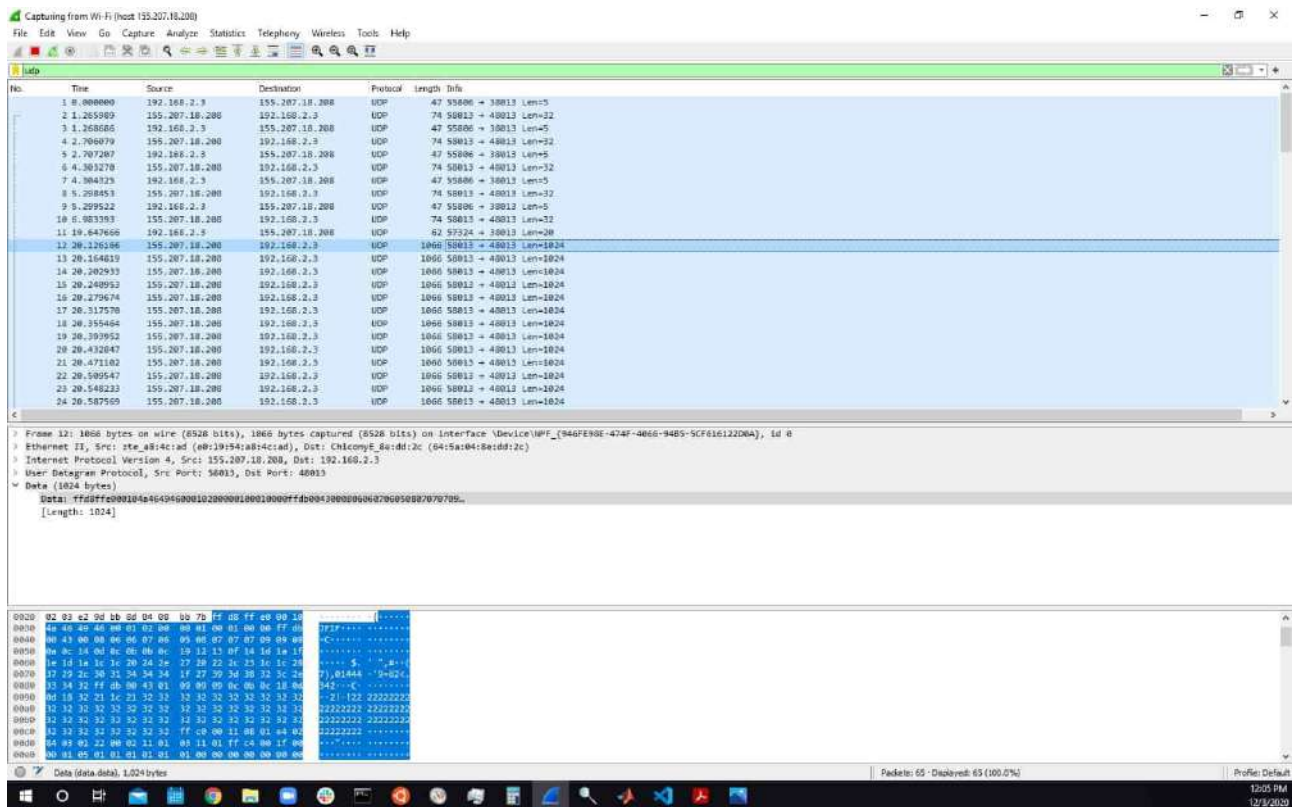
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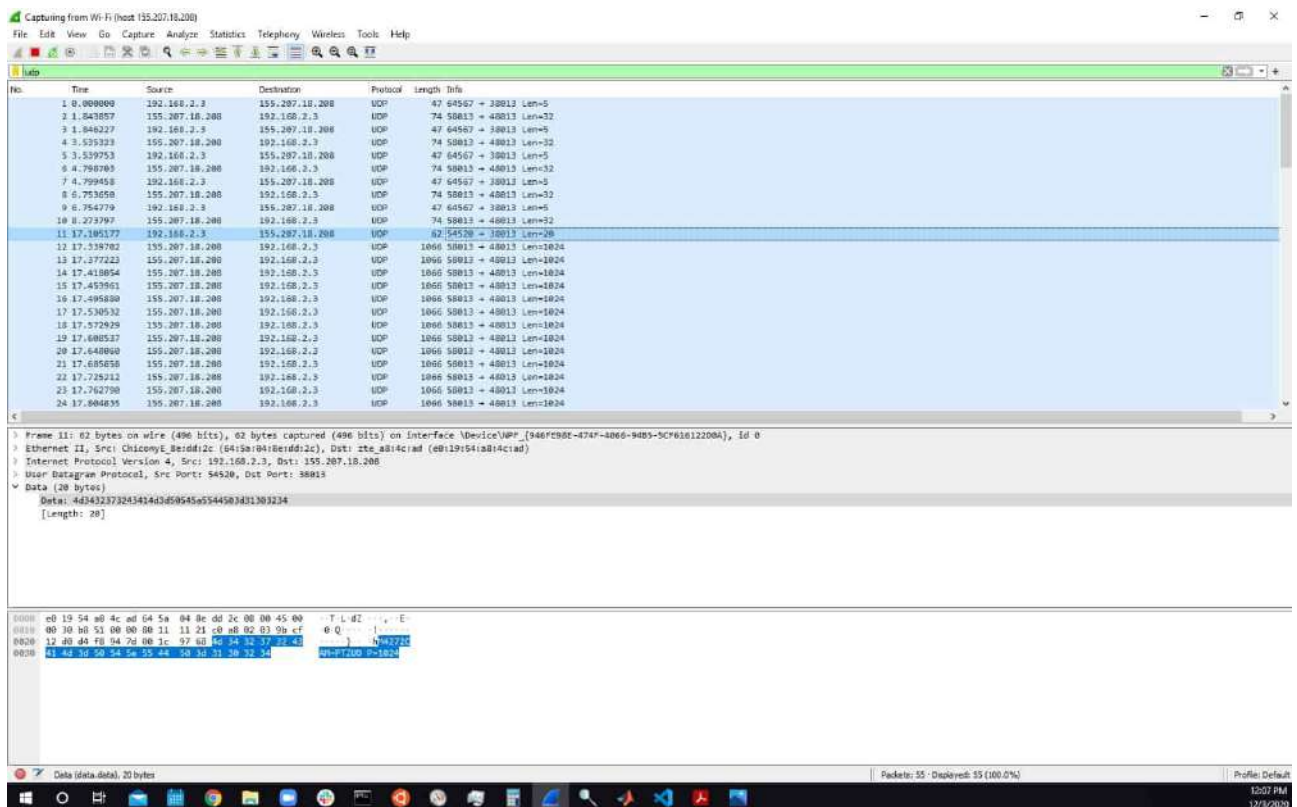
4. Image FIX Request with 1024 bytes



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5. Image PTZ Request with 1024 bytes



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The image shows a Wireshark packet capture from a Wi-Fi interface (host 155.207.18.200). The packet list displays 24 packets, all of which are UDP packets from 192.168.2.3 to 155.207.18.200. The packet details pane shows the selected packet (No. 12) as an Ethernet II frame, an Internet Protocol Version 4 packet, and a User Datagram Protocol packet. The data field shows a DPCM sine wave request for 999 packets, with a length of 1024 bytes. The packet bytes pane shows the raw data in hexadecimal and ASCII format.

6. DPCM Sine Wave Request for 999 packets

The image shows a Wireshark packet capture from a Wi-Fi interface (host 155.207.18.200). The packet list displays 24 packets, all of which are UDP packets from 192.168.2.3 to 155.207.18.200. The packet details pane shows the selected packet (No. 12) as an Ethernet II frame, an Internet Protocol Version 4 packet, and a User Datagram Protocol packet. The data field shows a DPCM sine wave request for 999 packets, with a length of 9 bytes. The packet bytes pane shows the raw data in hexadecimal and ASCII format.

The image shows a Wireshark packet capture interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. The main window displays a list of captured packets. The first packet is selected, and its details are shown in the bottom pane. The details pane shows the following information:

- Frame 12: 176 bytes on wire (1408 bits), 176 bytes captured (1368 bits) on interface \\Device\\NPF_{940F39C2-474F-4866-9485-5C7616122D8A}, Id 0
- Ethernet II, Src: zte_a814c1ad (e8:19:54:a8:14:c1ad), Dst: ChiconyE_Be1dd12c (64:5a:04:be:1d:d1:2c)
- Internet Protocol Version 4, Src: 155.207.18.208, Dst: 192.168.2.3
- User Datagram Protocol, Src Port: 58013, Dst Port: 48815
- Data (128 bytes)

The hex dump shows the raw data of the packet, with the first 128 bytes highlighted in blue. The hex dump is as follows:

```
0000  04 5a 04 be dd 2c e8 19 54 a8 14 c1 ad 00 00 45 00  d2  ..T.L...E-
0010  00 3c 04 be 00 00 7a 11 ce fa 9b c5 13 0b e8 a3 00 00  ..z
0020  82 83 e2 9d bb 0d 00 00 ee 02 ff 00 ff fa 0f ff 00 00  ..z
0030  00 ff 10 00 ff 00 0f 5b 00 ff 00 ff 00 ff 0f 0f 0f 00  ..z
0040  ff 00 ff 00 0f 00 0f 00 0f 00 0f 00 0f 00 0f 00 0f  ..z
0050  0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f  ..z
0060  0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f  ..z
0070  0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f  ..z
0080  0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f  ..z
0090  0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f  ..z
00a0  0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f 0f  ..z
```

7. DPCM Clip Request for 999 packets

The image shows a Wireshark packet capture from a Wi-Fi interface (host 192.168.2.3). The packet list displays 24 packets, all of which are UDP packets from 192.168.2.3 to 192.168.2.3. The packet details pane shows the selected packet (No. 11) as an Ethernet II, Internet Protocol Version 4, and User Datagram Protocol (UDP) packet. The UDP packet contains 12 bytes of data, which is a DPCM clip request for 999 packets. The packet bytes pane shows the raw data in hexadecimal and ASCII format.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|----------------|----------------|----------|--------|-----------------------|
| 1 | 0.000000 | 192.168.2.3 | 192.168.2.3 | UDP | 47 | 58013 → 58013 Len=5 |
| 2 | 1.419953 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 3 | 1.422349 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 4 | 2.415518 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 5 | 2.416720 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 6 | 3.899143 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 7 | 3.900523 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 8 | 5.472463 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 9 | 5.473498 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 10 | 7.904522 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 11 | 23.385945 | 192.168.2.3 | 155.207.18.200 | UDP | 54 | 57732 → 38013 Len=12 |
| 12 | 23.386298 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 13 | 23.388391 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 14 | 23.415495 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 15 | 23.443659 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 16 | 23.473742 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 17 | 23.502219 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 18 | 23.531434 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 19 | 23.559620 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 20 | 23.587252 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 21 | 23.615084 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 22 | 23.644204 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 23 | 23.672742 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 24 | 23.701487 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |

Frame 11: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface \Device\NPF_{346FC98E-474F-4066-94B5-5C761612206A}, Id 0
Ethernet II, Src: Chicony_EtDd12c (04:5a:04:be:dd:12c), Dst: Ite_A814c1ad (0e:19:54:a8:14:c1ad)
Internet Protocol Version 4, Src: 192.168.2.3, Dst: 155.207.18.200
User Datagram Protocol, Src Port: 57732, Dst Port: 38013
Data (12 bytes)
Data: 415599373ac30304659939
[Length: 12]

0000 e0 19 54 a8 14 c1 ad 04 5a 04 be dd 12 c0 00 00 45 00 T L d2 ... E
0010 00 18 00 5d 00 00 00 11 11 1d c0 a8 02 03 00 c1 [...] 57732
0020 12 00 c3 04 04 76 00 14 97 10 73 97 97 87 85 00 00 55972
0030 10 18 04 30 39 35 00 00 00 00 00 00 00 00 00 00 00

Data (Data-data), 12 bytes
Packets: 20/20 · Displayed: 20/20 (100.0%)
12:13 PM
12/9/2023

The image shows a Wireshark packet capture from a Wi-Fi interface (host 192.168.2.3). The packet list displays 24 packets, all of which are UDP packets from 192.168.2.3 to 192.168.2.3. The packet details pane shows the selected packet (No. 11) as an Ethernet II, Internet Protocol Version 4, and User Datagram Protocol (UDP) packet. The UDP packet contains 12 bytes of data, which is a DPCM clip request for 999 packets. The packet bytes pane shows the raw data in hexadecimal and ASCII format.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|----------------|----------------|----------|--------|-----------------------|
| 1 | 0.000000 | 192.168.2.3 | 192.168.2.3 | UDP | 47 | 58013 → 58013 Len=5 |
| 2 | 1.419953 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 3 | 1.422349 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 4 | 2.415518 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 5 | 2.416720 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 6 | 3.899143 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 7 | 3.900523 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 8 | 5.472463 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 9 | 5.473498 | 192.168.2.3 | 155.207.18.200 | UDP | 47 | 58025 → 38013 Len=5 |
| 10 | 7.904522 | 155.207.18.200 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=32 |
| 11 | 23.385945 | 192.168.2.3 | 155.207.18.200 | UDP | 54 | 57732 → 38013 Len=12 |
| 12 | 23.386298 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 13 | 23.388391 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 14 | 23.415495 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 15 | 23.443659 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 16 | 23.473742 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 17 | 23.502219 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 18 | 23.531434 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 19 | 23.559620 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 20 | 23.587252 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 21 | 23.615084 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 22 | 23.644204 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 23 | 23.672742 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |
| 24 | 23.701487 | 155.207.18.200 | 192.168.2.3 | UDP | 170 | 58013 → 48013 Len=128 |

Frame 11: 170 bytes on wire (1360 bits), 170 bytes captured (1360 bits) on interface \Device\NPF_{346FC98E-474F-4066-94B5-5C761612206A}, Id 0
Ethernet II, Src: Ite_A814c1ad (0e:19:54:a8:14:c1ad), Dst: Chicony_EtDd12c (04:5a:04:be:dd:12c)
Internet Protocol Version 4, Src: 155.207.18.200, Dst: 192.168.2.3
User Datagram Protocol, Src Port: 58013, Dst Port: 48013
Data (128 bytes)
Data: 00f7800490eaa900f02f02f8090a760347b73980094c82c767bc926d7097657761ae...
[Length: 128]

0000 64 5a 04 be dd 12 c0 00 00 00 00 00 00 00 00 00 00 d2 ... T L d2 ... E
0010 00 18 00 5d 00 00 00 11 11 1d c0 a8 02 03 00 c1 [...] 57732
0020 02 03 c2 04 04 76 00 14 97 10 73 97 97 87 85 00 00 55972
0030 00 39 9f 82 7b 52 78 69 89 69 79 63 a7 07 18 00 [...] 1 3 [...] 55972
0040 69 4c 62 67 67 6c 62 64 76 07 05 7f 61 ae 53 00 [...] 1 3 [...] 55972
0050 19 c0 0f 62 67 6c 62 64 76 17 76 66 a5 05 09 00 [...] 1 3 [...] 55972
0060 27 c7 69 9a 6a e7 4a 79 63 a5 5f 57 d1 e9 73 00 [...] 1 3 [...] 55972
0070 73 5f 67 61 6a a5 e3 49 65 60 09 09 4f f0 53 00 [...] 1 3 [...] 55972
0080 00 5c 00 00 00 00 1b 54 71 4c 2a 34 86 06 05 e9 [...] 1 3 [...] 55972
0090 6c 17 45 c3 16 2a 77 01 68 69 c9 09 10 64 e9 [...] 1 3 [...] 55972
00a0 10 64 3c a5 e6 79 3b 65 78 00 [...] 1 3 [...] 55972

Data (Data-data), 128 bytes
Packets: 20/20 · Displayed: 20/20 (100.0%)
12:13 PM
12/9/2023

8. AQ-DPCM Clip 8 Request for 999 packets

Frame 9: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface \\Device\\NPF_{946FE08E-474F-4066-94B5-5CF616122D0A}, id 0

Ethernet II, Src: ChiconyE_8e:dd:2c (64:5e:04:8e:dd:2c), Dst: zte_e8:4c:ad (e0:19:54:e8:4c:ad)

Internet Protocol Version 4, Src: 192.168.2.3, Dst: 155.207.18.208

User Datagram Protocol, Src Port: 55013, Dst Port: 38013

Data (14 bytes)

Data: 413539373741514c303846393939

[Length: 14]

0000 e0 19 54 a8 4c ad 64 5a 04 8e dd 2c 00 00 45 00 --T.L.D.E

0010 00 2a b8 e2 00 00 00 11 11 15 c8 a8 02 03 9b cf --b.....

0020 12 d0 d5 e5 94 7d 00 16 70 6f 41 35 39 37 37 41p0559774

0030 51 4c 30 38 46 39 39 39 01 08 f9 990108f999

Frame 10: 174 bytes on wire (1392 bits), 174 bytes captured (1392 bits) on interface \\Device\\NPF_{946FE08E-474F-4066-94B5-5CF616122D0A}, id 0

Ethernet II, Src: zte_e8:4c:ad (e0:19:54:e8:4c:ad), Dst: ChiconyE_8e:dd:2c (64:5e:04:8e:dd:2c)

Internet Protocol Version 4, Src: 155.207.18.208, Dst: 192.168.2.3

User Datagram Protocol, Src Port: 58013, Dst Port: 48013

Data (132 bytes)

Data: daffab09f2e7887a59a29a962f64f804d8698a5a7aa597b649866a5a84b777ab847c7698

[Length: 132]

0020 02 03 e2 9d bb 84 00 8c d3 f2 3a ff ab 09 f2 e7 ..v.../d...-f2e7

0030 03 7a 59 e2 9a 96 2f 64 f8 04 d0 89 1a 6a 7a a5 (8 94 d0 89 1a 6a 7a a5

0040 07 b6 40 86 6a 5a 84 b7 77 ab 84 7c 76 08 a5 7a -I-Z-...w...V...

0050 83 ac 64 ab 4a c1 b7 54 ce 78 8c 82 db 28 7c 4d e-d-T...{F

0060 45 96 58 79 47 b7 89 98 79 d7 5a d9 66 99 6a 48 ..Xg-i...y-z-f...e

0070 c3 c9 75 8a 7a 6d 97 5b 89 96 d4 58 6a 77 87 d0 ..u-ta-[]...Xjw...

0080 54 d6 74 cb 68 6b ab 77 92 9c 3b 65 e2 5d 3a a5 [-t-hk-w...}e-[]

0090 86 7a 86 99 6b 67 89 b5 8f c8 8a 77 87 75 59 d0 ..z..kg...w-uY...

00a0 78 a9 65 c8 33 8b 5b 96 97 d9 4a 76 78 3d ..e-3[-...JvX-

10. IthakiCopter Flight Level 1 for 250 seconds

Wireshark capture showing a UDP packet (Frame 6763) from source 155.207.18.208 to destination 192.168.2.3. The packet is 155 bytes long and contains 5 bytes of data. The data is displayed in hexadecimal and ASCII format.

| No. | Time | Source | Destination | Protocol | Length | Info |
|------|-----------|----------------|-------------|----------|--------|-----------------------|
| 6763 | 39.126795 | 155.207.18.208 | 192.168.2.3 | UDP | 155 | 53719 → 48078 Len=113 |

Frame 6763: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on interface \Device\NPF_{946F98E-474F-4066-94B5-5CF616122DBA}, Id 0
Ethernet II, Src: ChiconyE_8e:dd:2c (64:5e:04:8e:dd:2c), Dst: zte_e8:4c:ad (e8:19:54:e8:4c:ad)
Internet Protocol Version 4, Src: 155.207.18.208, Dst: 192.168.2.3
User Datagram Protocol, Src Port: 53719, Dst Port: 48078
Data (5 bytes)
Data: 5139383539
[Length: 5]

Hex dump: 0000 e0 10 54 a8 4c ad 64 5a 04 8e dd 2c 00 00 45 00 ... 0018 00 21 bf 95 08 00 88 11 00 ec c0 a8 02 03 9b cf ... 0020 12 d0 ee c1 94 be 00 0d 48 9a 51 39 38 35 39

Wireshark capture showing a UDP packet (Frame 6963) from source 155.207.18.208 to destination 192.168.2.3. The packet is 155 bytes long and contains 113 bytes of data. The data is displayed in hexadecimal and ASCII format.

| No. | Time | Source | Destination | Protocol | Length | Info |
|------|-----------|----------------|-------------|----------|--------|-----------------------|
| 6963 | 40.148315 | 155.207.18.208 | 192.168.2.3 | UDP | 155 | 53719 → 48078 Len=113 |

Frame 6963: 155 bytes on wire (1240 bits), 155 bytes captured (1240 bits) on interface \Device\NPF_{946F98E-474F-4066-94B5-5CF616122DBA}, Id 0
Ethernet II, Src: zte_e8:4c:ad (e8:19:54:e8:4c:ad), Dst: ChiconyE_8e:dd:2c (64:5e:04:8e:dd:2c)
Internet Protocol Version 4, Src: 155.207.18.208, Dst: 192.168.2.3
User Datagram Protocol, Src Port: 53719, Dst Port: 48078
Data (113 bytes)
Data: 495448414b49434f505445522830332d31322d323032302031323a33373a3438204c4d4f.
[Length: 113]

Hex dump: 0000 64 5a 04 8e dd 2c e0 19 54 a8 4c ad 00 00 45 00 ... 0018 00 84 27 a2 08 00 7a 11 a7 73 9b cf 12 d0 c0 20 ... 0020 82 03 d1 d7 bb c8 00 79 c1 01 40 54 48 41 40 40 ... 0030 43 4f 50 54 45 52 20 30 33 2d 31 32 2d 32 30 30 ... 0040 20 20 31 32 3a 33 37 3a 34 38 20 4c 4d 4f 54 4f ... 0050 52 3d 30 30 30 20 52 4d 4f 54 4f 52 3d 30 30 38 ... 0060 20 41 4c 54 42 54 55 44 45 3d 30 37 34 20 54 45 ... 0070 4d 50 45 52 41 54 55 52 45 3d 25 32 31 2e 35 37 ... 0080 20 50 52 45 53 55 52 45 3d 31 30 31 32 2e 30

12. Vehicle OBD Data for 250 seconds

The image shows a Wireshark packet capture window titled "Capturing from Wi-Fi (Host 155.207.18.208)". The main pane displays a list of captured packets. The first packet is selected, showing details for Ethernet II, Internet Protocol Version 4, and User Datagram Protocol. The data field shows 5 bytes of data.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|----------------|----------------|----------|--------|----------------------|
| 1 | 0.000000 | 192.168.2.3 | 155.207.18.208 | UDP | 47 | 61856 → 38013 Len=5 |
| 2 | 1.339562 | 155.207.18.208 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=52 |
| 3 | 1.340131 | 192.168.2.3 | 155.207.18.208 | UDP | 47 | 61856 → 38013 Len=5 |
| 4 | 2.916494 | 155.207.18.208 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=52 |
| 5 | 2.917893 | 192.168.2.3 | 155.207.18.208 | UDP | 47 | 61856 → 38013 Len=5 |
| 6 | 5.229886 | 155.207.18.208 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=52 |
| 7 | 5.230641 | 192.168.2.3 | 155.207.18.208 | UDP | 47 | 61856 → 38013 Len=5 |
| 8 | 6.427146 | 155.207.18.208 | 192.168.2.3 | UDP | 74 | 58013 → 48013 Len=52 |
| 9 | 17.260561 | 192.168.2.3 | 155.207.18.208 | UDP | 56 | 62395 → 38013 Len=14 |
| 10 | 17.304671 | 155.207.18.208 | 192.168.2.3 | UDP | 53 | 58013 → 48013 Len=11 |
| 11 | 17.306171 | 192.168.2.3 | 155.207.18.208 | UDP | 56 | 62395 → 38013 Len=14 |
| 12 | 17.421927 | 155.207.18.208 | 192.168.2.3 | UDP | 53 | 58013 → 48013 Len=11 |
| 13 | 17.422515 | 192.168.2.3 | 155.207.18.208 | UDP | 56 | 62395 → 38013 Len=14 |
| 14 | 17.539309 | 155.207.18.208 | 192.168.2.3 | UDP | 53 | 58013 → 48013 Len=11 |
| 15 | 17.539876 | 192.168.2.3 | 155.207.18.208 | UDP | 56 | 62395 → 38013 Len=14 |
| 16 | 17.654239 | 155.207.18.208 | 192.168.2.3 | UDP | 53 | 58013 → 48013 Len=11 |

Frame 1: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on interface \Device\NPF_{946FE98E-474F-4B66-94B5-5CF616122D0A}, Id 0
Ethernet II, Src: ChiconyE_B:dd:2c (84:5a:94:b:dd:2c), Dst: zte_a6:4c:ad (e8:19:54:a8:4c:ad)
Internet Protocol Version 4, Src: 192.168.2.3, Dst: 155.207.18.208
User Datagram Protocol, Src Port: 61856, Dst Port: 38013
Data (5 bytes)
Data: 4531343536
[Length: 5]

0000 e0 19 54 a8 4c ad 84 5a 04 8e dd 2c 00 00 45 00 --T:L-dZ ---E-
0010 00 21 68 42 00 00 80 11 61 3f c0 a8 02 03 0b cf --h8--- a?-----
0020 12 d0 f1 a0 94 7d 00 0d 59 84 45 31 34 35 36 ----- Y 51458

Data (data.data), 5 bytes

Packets: 245/78 · Displayed: 245/78 (100.0%)

Profile: Default

1:17 PM
12/3/2020

Session 2

5/12/2020 – 12:05-14:05

Οι κωδικοί που χρησιμοποιήθηκαν κατά την διάρκεια των παρακάτω μετρήσεων καθώς και η public IP Address του router φαίνονται παρακάτω:

Public IP Address: **77.69.100.243**

Client Port: **48009**

Server Port: **38009**

Echo Request Code: **E1136**

Image Request Code: **M0907**

Audio Request Code: **A9519**

IthakiCopter Code: **Q9986**

Vehicle OBD-2 Code: **V8190**

1. Echo Requests with delay for 250 seconds

The image shows a Wireshark packet capture of network traffic. The top pane displays a list of packets, with packet 72 selected. The middle pane shows the details of packet 72, which is an Echo Request (UDP) from 192.168.2.2 to 155.207.18.208. The bottom pane shows the raw packet data in hexadecimal and ASCII format.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-------------|----------------|----------------|----------|--------|----------------------|
| 72 | 1876.728050 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 73 | 1876.827607 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 74 | 1876.929946 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 75 | 1880.572599 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 76 | 1880.575348 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 77 | 1882.827101 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 78 | 1883.828993 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 79 | 1885.672049 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 80 | 1885.672757 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 81 | 1887.562044 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 82 | 1887.562698 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 83 | 1889.483551 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 84 | 1889.484125 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 85 | 1892.008792 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 86 | 1892.009309 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 87 | 1893.225224 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 88 | 1893.225864 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 89 | 1894.494523 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 90 | 1894.495189 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 91 | 1896.549696 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 92 | 1896.550619 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 93 | 1897.605541 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 94 | 1897.605961 | 192.168.2.2 | 155.207.18.208 | UDP | 47 | 40446 → 38009 Len=5 |
| 95 | 1899.382375 | 155.207.18.208 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |

Frame 72: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on interface \Device\NPF_{346F5928-474F-4066-94B9-5CF65612200A}, Id 0

Ethernet II, Src: ChicompE-Resid812c (6415a:0418e:dd12c), Dst: zte-ad4ciad (e8:19:54:a8:14:ciad)

Internet Protocol Version 4, Src: 192.168.2.2, Dst: 155.207.18.208

User Datagram Protocol, Src Port: 40446, Dst Port: 38009

Data (5 bytes)

Data: 45113336

Length: 5

0000 e0 19 54 a8 14 ci ad 04 18 e d d 2 c 00 00 45 00 ...F.L.d2...E

0008 00 11 5f f2 00 00 00 11 69 00 c0 a6 02 02 00 c f ...L...I...

0020 12 40 c1 25 34 75 00 0d 5c 95 05 07 07 07 07 ...& y... 51136

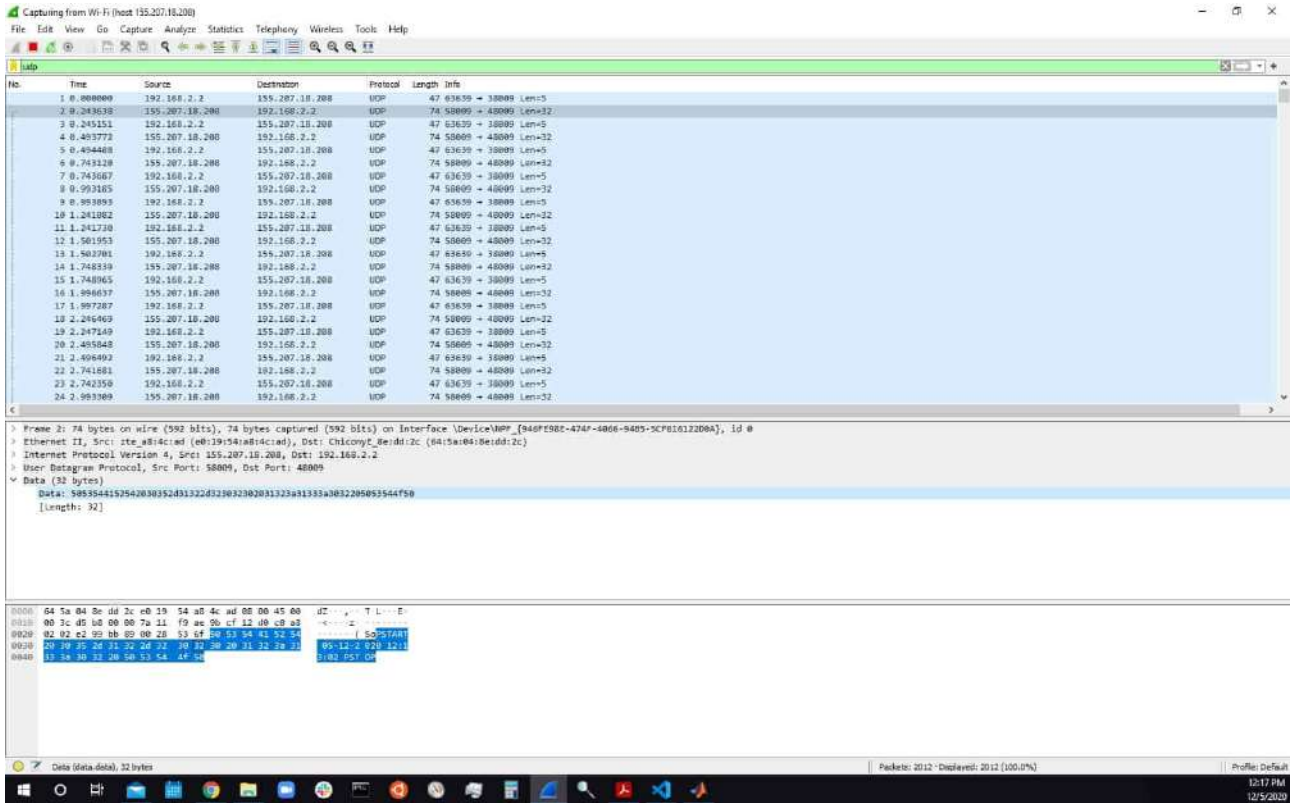
Δίκτυα Υπολογιστών 2

Σωκράτης Κοσέογλου 8837 sokrkose@ece.auth.gr

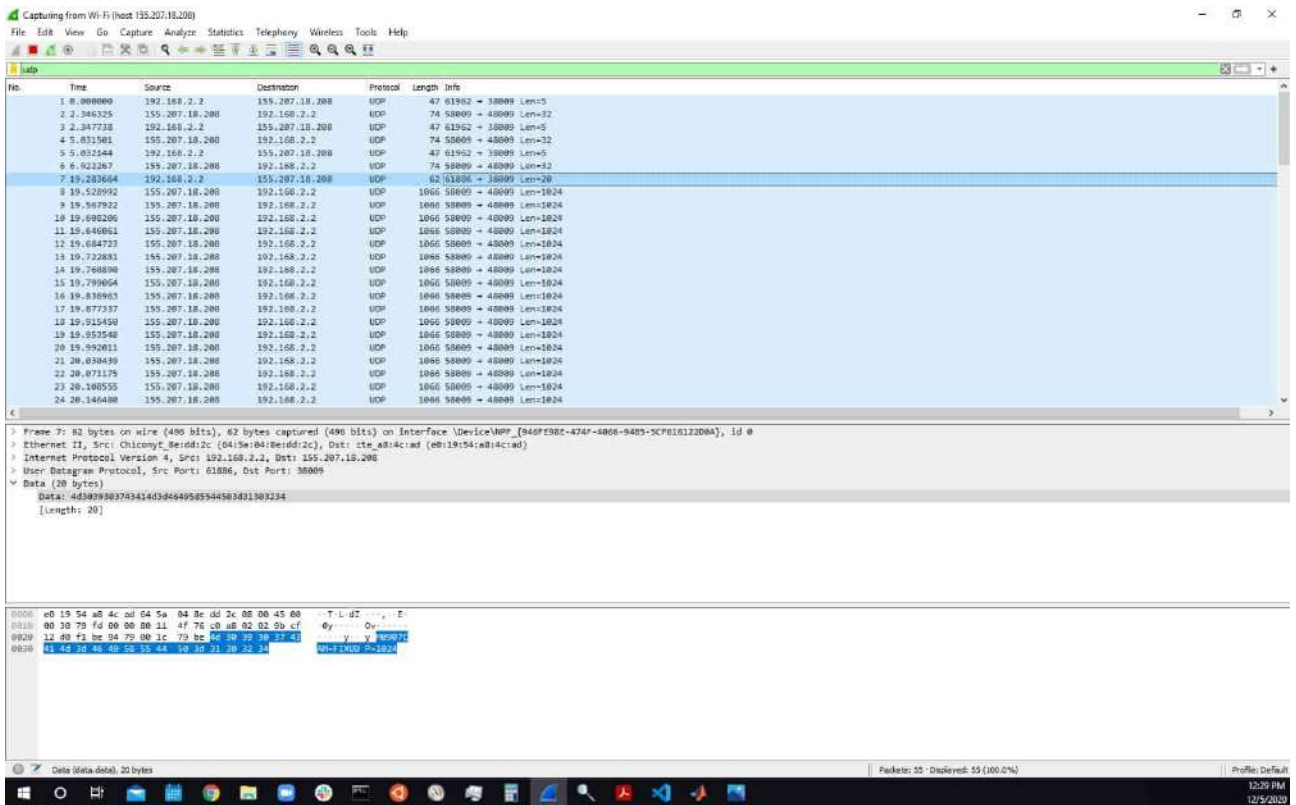
Wireshark packet capture showing a sequence of UDP echo requests. The packet list displays 95 packets, all with length 32. The packet details pane shows the structure of a UDP packet with a 32-byte data field. The packet bytes pane shows the raw data in hexadecimal and ASCII.

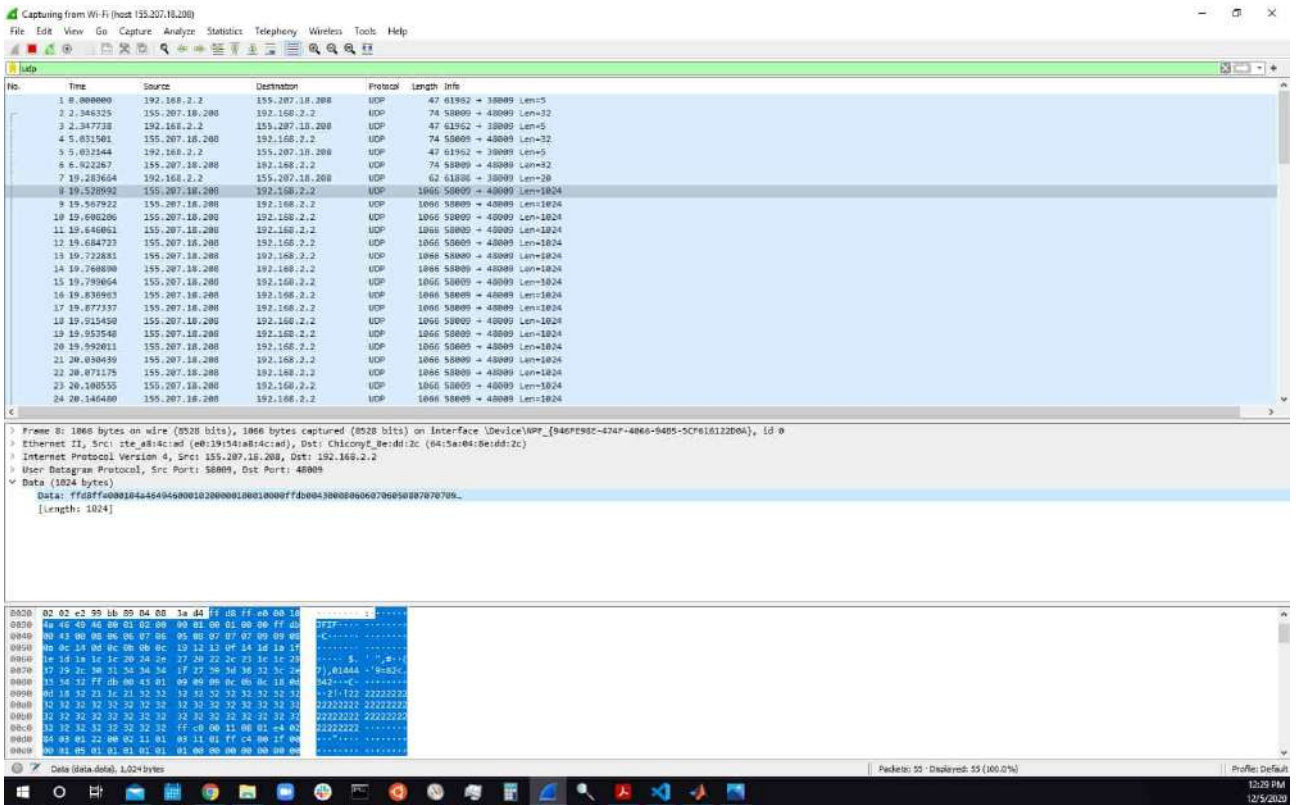
2. Echo Requests without delay for 250 seconds

Wireshark packet capture showing a sequence of UDP echo requests. The packet list displays 24 packets, all with length 32. The packet details pane shows the structure of a UDP packet with a 32-byte data field. The packet bytes pane shows the raw data in hexadecimal and ASCII.

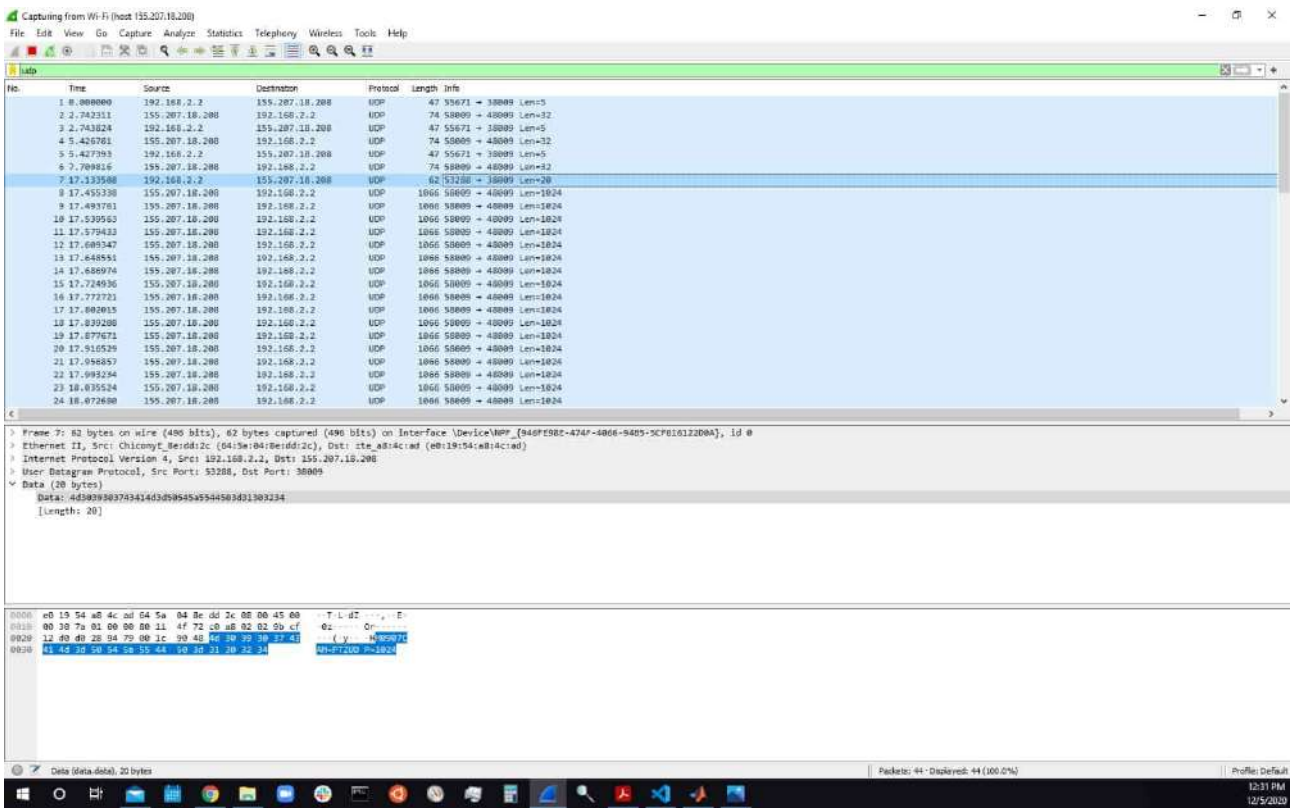


4. Image FIX Request with 1024 bytes

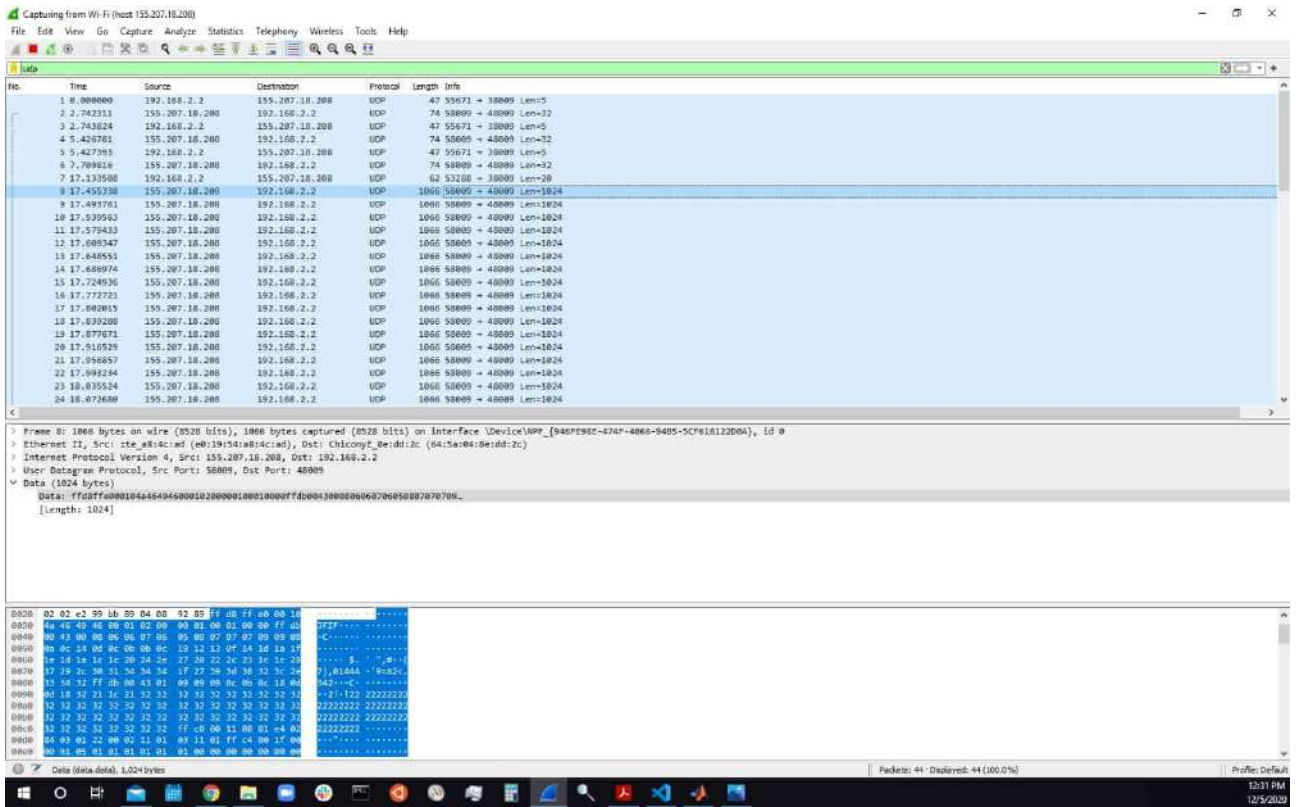




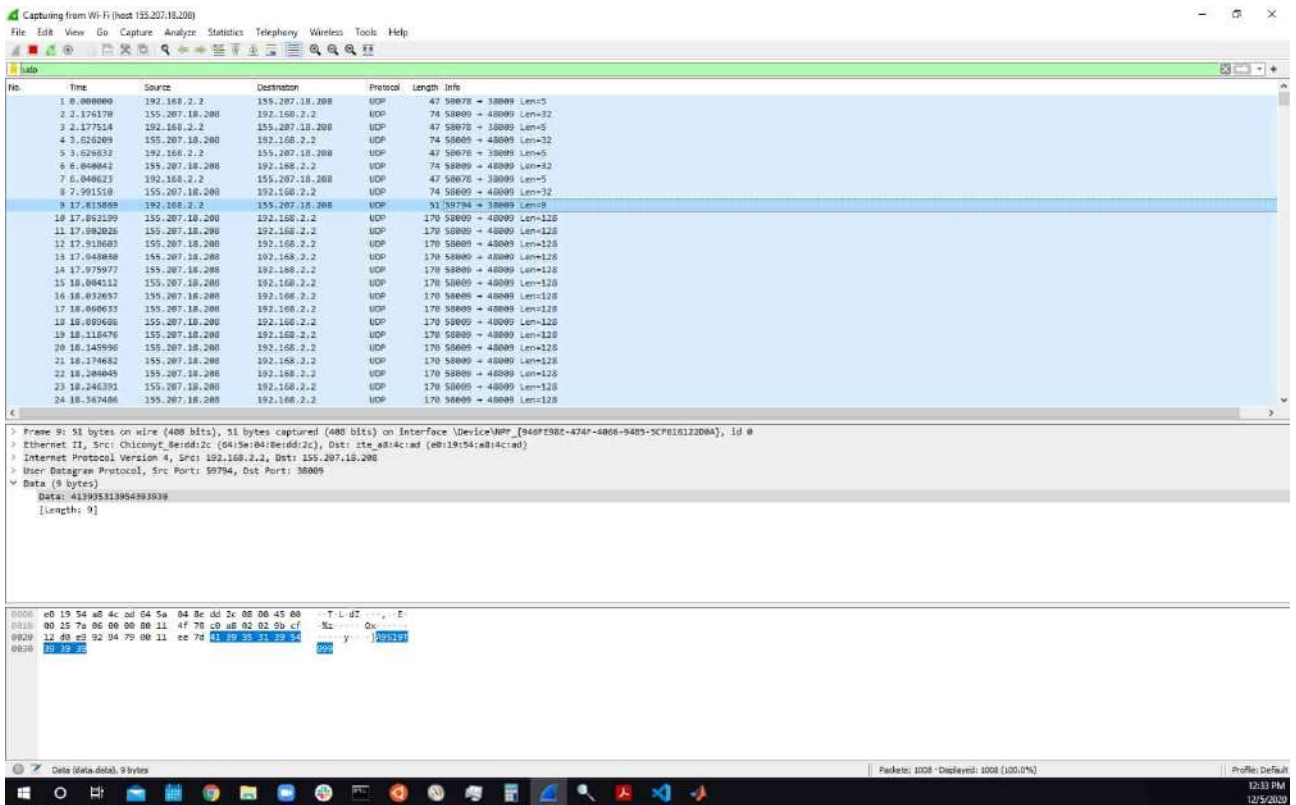
5. Image PTZ Request with 1024 bytes



Δίκτυα Υπολογιστών 2
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6. DPCM Sine Wave Request for 999 packets



The screenshot displays the Wireshark network protocol analyzer interface. The top pane, titled 'Packets', lists 24 captured packets. Packet 10 is selected and highlighted in blue. The middle pane, titled 'Packet 10: 170 bytes on wire (1360 bits), 170 bytes captured (1360 bits) on interface DeviceNPP_{940F9302-674F-4066-9405-5CF61812206A}, id 0', shows the details of the selected packet. The packet is an Ethernet II frame, an IPv4 packet, a UDP packet, and contains 128 bytes of data. The bottom pane shows the raw data of the packet in hexadecimal and ASCII format. The data is a sequence of 128 bytes, represented as a grid of characters. The status bar at the bottom indicates 'Data (data-dot), 128 bytes', 'Packets: 1708 · Displayed: 1008 (100.0%)', and 'Profile: Default'.

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[illegible]

The screenshot displays the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. The toolbar contains icons for various functions like opening files, saving, and analyzing. The main window is divided into three panes:

- Packet List:** Shows a list of captured packets. The first 24 packets are highlighted in blue, indicating they are selected. These packets are all UDP packets from source IP 192.168.2.2 to destination IP 155.207.18.200, with a length of 64 bytes. The 'Info' column shows the packet structure: Ethernet II, Internet Protocol Version 4, and User Datagram Protocol.
- Packet Details:** Shows the hierarchical structure of the selected packet (packet 24). It includes:
 - Ethernet II:** Src: 192.168.2.2, Dst: 155.207.18.200.
 - Internet Protocol Version 4:** Src: 192.168.2.2, Dst: 155.207.18.200.
 - User Datagram Protocol:** Src Port: 58000, Dst Port: 48000.
- Packet Bytes:** Shows the raw data of the selected packet in hexadecimal and ASCII. The data is a 64-byte UDP packet.

The status bar at the bottom indicates that 120 bytes of data have been captured, and the packet list shows 24 packets.

8. AQ-DPCM Clip 8 Request for 999 packets

Wireshark packet capture showing a request for 999 packets. The packet list shows a sequence of UDP packets from 155.207.18.200 to 192.168.2.2. The packet details pane shows the Ethernet II, Internet Protocol Version 4, and User Datagram Protocol layers. The packet bytes pane shows the raw data in hexadecimal and ASCII.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|----------------|----------------|----------|--------|-----------------------|
| 1 | 0.000000 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 2 | 1.505918 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 3 | 1.507245 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 4 | 3.104015 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 5 | 3.105453 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 6 | 4.877335 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 7 | 4.877796 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 8 | 6.441550 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 9 | 6.462131 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 10 | 7.030296 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 11 | 17.632561 | 192.168.2.2 | 155.207.18.200 | UDP | 56 | 53104 → 38009 Len=14 |
| 12 | 17.679658 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 13 | 17.709844 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 14 | 17.735794 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 15 | 17.763635 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 16 | 17.791563 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 17 | 17.820041 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 18 | 17.847721 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 19 | 17.876205 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 20 | 17.904640 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 21 | 17.932684 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 22 | 17.960820 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 23 | 17.989279 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 24 | 18.016732 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |

Frame 12: 174 bytes on wire (1392 bits), 174 bytes captured (1392 bits) on interface \Device\NPF_{940F980E-474F-4060-9405-5C761012200A}, Id 0
 Ethernet II, Src: zte_e814cad (e8:19:54:a8:14:ca), Dst: Chicony_Ei:dd12c (04:1a:0a:0e:dd:12c)
 Internet Protocol Version 4, Src: 155.207.18.200, Dst: 192.168.2.2
 User Datagram Protocol, Src Port: 58009, Dst Port: 48009
 Data (132 bytes)
 Data: daffab09f2e787a59a2a952f64f8940809a6a7aa597b6498654a54b777ab847c78e-
 [Length: 132]

0000 64 5a 04 8e dd 12 c0 19 54 a8 4c ad 08 00 45 00 d2 19 54 a8 4c ad 08 00 45 00
 0010 00 a8 17 70 00 00 7a 11 47 87 50 cf 12 00 c8 a5 00 00 00 00 00 00 00 00 00 00
 0020 02 02 c3 99 1b 09 08 8c 43 74 55 15 00 00 00 00 00 00 00 00 00 00 00 00
 0030 00 78 59 82 9a 96 27 64 79 94 08 09 0a 68 7a 3b 20 20 20 20 20 20 20 20
 0040 97 06 40 08 65 58 04 07 77 4b 64 7c 76 08 a5 79 00 00 00 00 00 00 00 00
 0050 63 4c 44 a0 4a c1 07 44 c9 70 65 82 0b 28 75 46 00 00 00 00 00 00 00 00
 0060 13 46 58 79 47 07 08 0a 79 07 5a 08 08 08 4a 00 00 00 00 00 00 00 00
 0070 c3 19 75 8a 7a 6d 07 5b 89 9b 08 58 08 77 07 00 00 00 00 00 00 00 00
 0080 00 40 7a c8 00 00 00 77 92 9c 30 05 a2 58 7a 4e 00 00 00 00 00 00 00 00
 0090 06 7a 86 99 0b 07 09 05 0f c0 0a 77 07 07 52 0a 00 00 00 00 00 00 00 00
 00a0 70 a3 85 c8 33 0b 5b 06 97 05 4a 76 78 00 00 00 00 00 00 00 00 00 00 00

Wireshark packet capture showing a request for 999 packets. The packet list shows a sequence of UDP packets from 155.207.18.200 to 192.168.2.2. The packet details pane shows the Ethernet II, Internet Protocol Version 4, and User Datagram Protocol layers. The packet bytes pane shows the raw data in hexadecimal and ASCII.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|----------------|----------------|----------|--------|-----------------------|
| 1 | 0.000000 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 2 | 1.505918 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 3 | 1.507245 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 4 | 3.104015 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 5 | 3.105453 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 6 | 4.877335 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 7 | 4.877796 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 8 | 6.441550 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 9 | 6.462131 | 192.168.2.2 | 155.207.18.200 | UDP | 47 | 51629 → 38009 Len=5 |
| 10 | 7.030296 | 155.207.18.200 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 11 | 17.632561 | 192.168.2.2 | 155.207.18.200 | UDP | 56 | 53104 → 38009 Len=14 |
| 12 | 17.679658 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 13 | 17.709844 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 14 | 17.735794 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 15 | 17.763635 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 16 | 17.791563 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 17 | 17.820041 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 18 | 17.847721 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 19 | 17.876205 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 20 | 17.904640 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 21 | 17.932684 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 22 | 17.960820 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 23 | 17.989279 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |
| 24 | 18.016732 | 155.207.18.200 | 192.168.2.2 | UDP | 174 | 58009 → 48009 Len=132 |

Frame 11: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface \Device\NPF_{940F980E-474F-4060-9405-5C761012200A}, Id 0
 Ethernet II, Src: Chicony_Ei:dd12c (04:1a:0a:0e:dd:12c), Dst: zte_e814cad (e8:19:54:a8:14:ca)
 Internet Protocol Version 4, Src: 192.168.2.2, Dst: 155.207.18.200
 User Datagram Protocol, Src Port: 53104, Dst Port: 38009
 Data (14 bytes)
 Data: 413935313941514383846393939
 [Length: 14]

0000 e0 19 54 a8 4c ad 04 5a 04 8e dd 12 c0 08 00 45 00 20 20 20 20 20 20 20 20
 0010 00 2a 7a 11 00 00 00 11 4f 60 c0 a8 02 02 9c cf 00 00 00 00 00 00 00 00
 0020 12 08 cf c0 94 79 08 16 79 99 41 10 35 31 19 44 00 00 00 00 00 00 00 00
 0030 13 46 58 79 47 07 08 0a 79 07 5a 08 08 08 4a 00 00 00 00 00 00 00 00

10. IthakiCopter Flight Level 1 for 250 seconds

Wireshark capture of IthakiCopter Flight Level 1 for 250 seconds. The packet list shows a series of UDP packets from 192.168.2.2 to 192.168.2.1. The packet details pane shows the structure of a User Datagram Protocol (UDP) packet, including the source and destination ports (58835 and 48078). The packet bytes pane shows the raw data in hexadecimal and ASCII.

Wireshark capture of IthakiCopter Flight Level 1 for 250 seconds. The packet list shows a series of UDP packets from 192.168.2.2 to 192.168.2.1. The packet details pane shows the structure of a User Datagram Protocol (UDP) packet, including the source and destination ports (58835 and 48078). The packet bytes pane shows the raw data in hexadecimal and ASCII.

13. Vehicle OBD Data for 250 seconds

Wireshark packet capture showing Vehicle OBD data for 250 seconds. The packet list shows a series of UDP packets from 192.168.2.2 to 192.168.2.2 on port 38009. The packet details show a User Datagram Protocol (UDP) packet with a length of 14 bytes. The packet bytes show the data field containing 14 bytes of hexadecimal data.

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|-----------|-------------|-------------|----------|--------|----------------------|
| 1 | 0.000000 | 192.168.2.2 | 192.168.2.2 | UDP | 47 | 55381 → 38009 Len=5 |
| 2 | 1.000177 | 192.168.2.2 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 3 | 1.002091 | 192.168.2.2 | 192.168.2.2 | UDP | 47 | 55381 → 38009 Len=5 |
| 4 | 4.319981 | 192.168.2.2 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 5 | 4.321048 | 192.168.2.2 | 192.168.2.2 | UDP | 47 | 55381 → 38009 Len=5 |
| 6 | 5.939628 | 192.168.2.2 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 7 | 5.940659 | 192.168.2.2 | 192.168.2.2 | UDP | 47 | 55381 → 38009 Len=5 |
| 8 | 7.106865 | 192.168.2.2 | 192.168.2.2 | UDP | 74 | 58009 → 48009 Len=32 |
| 9 | 22.284362 | 192.168.2.2 | 192.168.2.2 | UDP | 30 | 64294 → 38009 Len=14 |
| 10 | 22.232076 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 11 | 22.134324 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 12 | 22.453697 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 13 | 22.454487 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 14 | 22.560793 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 15 | 22.561375 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 16 | 22.671807 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 17 | 22.672419 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 18 | 22.781855 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 19 | 22.782529 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 20 | 22.890347 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 21 | 22.890798 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 22 | 23.005570 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |
| 23 | 23.006139 | 192.168.2.2 | 192.168.2.2 | UDP | 56 | 64294 → 38009 Len=14 |
| 24 | 23.131299 | 192.168.2.2 | 192.168.2.2 | UDP | 53 | 58009 → 48009 Len=11 |

Frame 9: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on Interface Device\NPF_{940F1982-474F-4806-9405-5C701032208A}, id 0
Ethernet II, Src: ChicompT_6e:dd:1c (04:3b:b4:6e:dd:1c), Dst: zte_a8:4c:1ad (08:19:54:a8:4c:1ad)
Internet Protocol Version 4, Src: 192.168.2.2, Dst: 192.168.2.2
User Datagram Protocol, Src Port: 64294, Dst Port: 38009
Data (14 bytes)
Data: 56383139380f62443d3831203146
[Length: 14]

Packet 9: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on Interface Device\NPF_{940F1982-474F-4806-9405-5C701032208A}, id 0
Ethernet II, Src: ChicompT_6e:dd:1c (04:3b:b4:6e:dd:1c), Dst: zte_a8:4c:1ad (08:19:54:a8:4c:1ad)
Internet Protocol Version 4, Src: 192.168.2.2, Dst: 192.168.2.2
User Datagram Protocol, Src Port: 64294, Dst Port: 38009
Data (14 bytes)
Data: 56383139380f62443d3831203146
[Length: 14]

Packet 9: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on Interface Device\NPF_{940F1982-474F-4806-9405-5C701032208A}, id 0
Ethernet II, Src: ChicompT_6e:dd:1c (04:3b:b4:6e:dd:1c), Dst: zte_a8:4c:1ad (08:19:54:a8:4c:1ad)
Internet Protocol Version 4, Src: 192.168.2.2, Dst: 192.168.2.2
User Datagram Protocol, Src Port: 64294, Dst Port: 38009
Data (14 bytes)
Data: 56383139380f62443d3831203146
[Length: 14]