

Δίκτυα Υπολογιστών II

Στεφανίδης Ιωάννης

AEM: 9587

Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

1. Echo

Wireshark packet capture showing an Echo request. The filter is '(ip.src == 155.207.18.208 or ip.dst == 155.207.18.208) and udp'. The selected packet is No. 4095, a UDP packet from 155.207.18.208 to 155.207.18.208, port 60257 to 38002, with a length of 47 bytes. The data field shows 5 bytes of data in hexadecimal: 00 08 e3 ff 04 f6 de e4 a9 2f 0b 08 00 45 00.

No.	Time	Source	Destination	Protocol	Length	Info
4095	61.608376458	155.207.207.25	155.207.18.208	UDP	47	60257 → 38002 Len=5

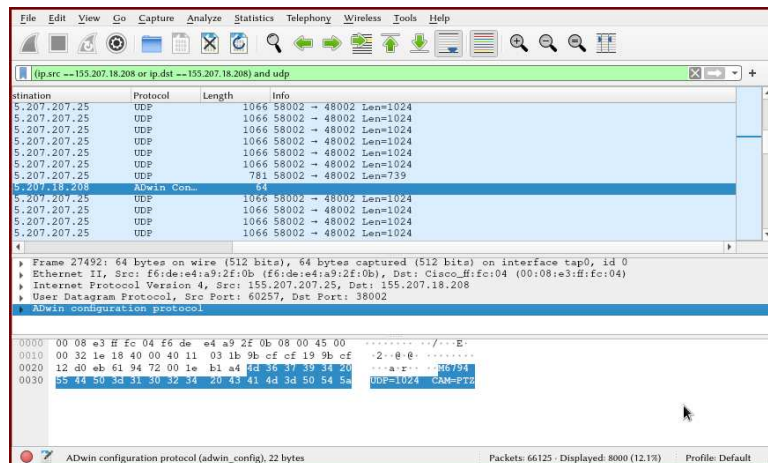
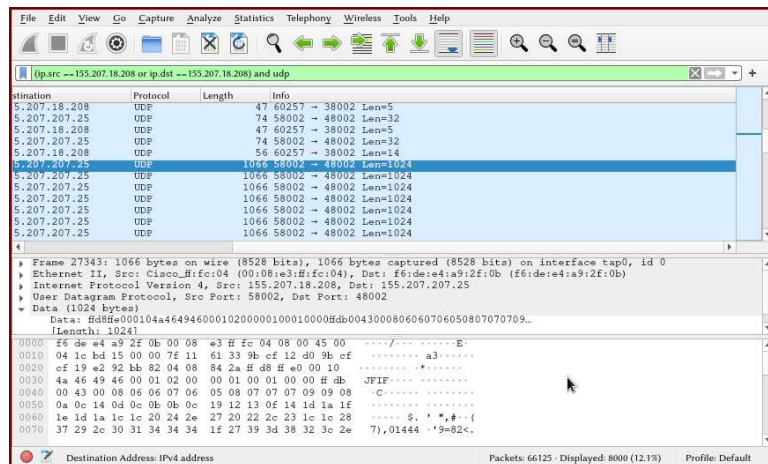
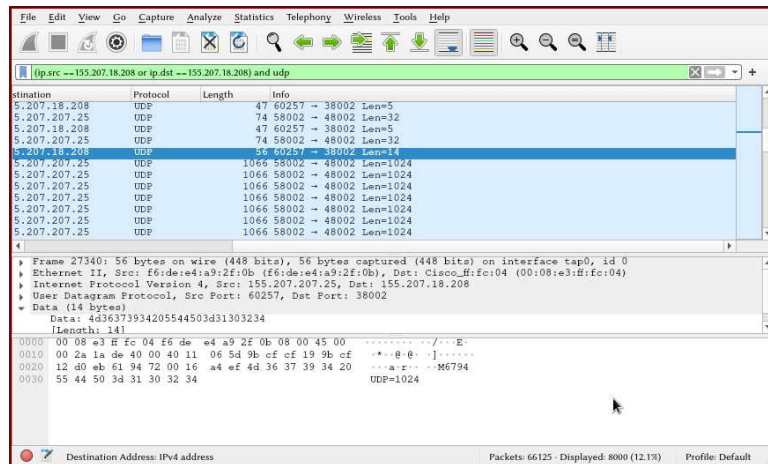
Frame 4095: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on interface tap0, id 0
Ethernet II, Src: f6:de:e4:a9:2f:0b (f6:de:e4:a9:2f:0b), Dst: Cisco_Hf:fc:04 (00:08:e3:ff:fc:04)
Internet Protocol Version 4, Src: 155.207.207.25, Dst: 155.207.18.208
User Datagram Protocol, Src Port: 60257, Dst Port: 38002
Data (5 bytes)
Length: 5
0000 00 08 e3 ff 04 f6 de e4 a9 2f 0b 08 00 45 00
0010 00 21 f9 5f 40 00 40 11 27 e4 9b cf cf 19 9b cf
0020 12 d0 eb 61 94 72 00 04 b8 0f

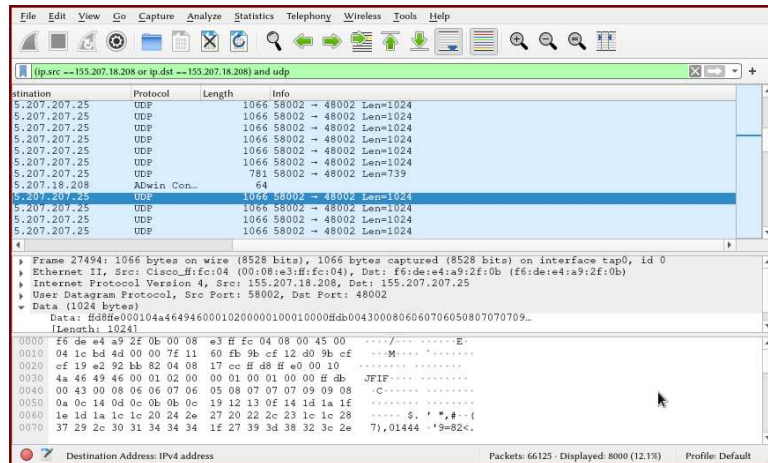
Wireshark packet capture showing an Echo response. The filter is '(ip.src == 155.207.18.208 or ip.dst == 155.207.18.208) and udp'. The selected packet is No. 4174, a UDP packet from 155.207.18.208 to 155.207.18.208, port 38002 to 60257, with a length of 74 bytes. The data field shows 32 bytes of data in hexadecimal: f6 de e4 a9 2f 0b 08 00 e3 ff 04 08 00 45 00 00 3c b8 98 00 00 7f 11 69 90 9b cf 12 d0 9b cf c f 19 e2 92 bb 82 00 28 af 33 50 53 54 41 52 54 20 30 33 2d 31 32 2d 32 30 32 30 20 30 39 3a 30 32 3a 30 37 20 50 53 54 4f 50.

No.	Time	Source	Destination	Protocol	Length	Info
4174	63.060690326	155.207.207.25	155.207.18.208	UDP	74	38002 → 60257 Len=32

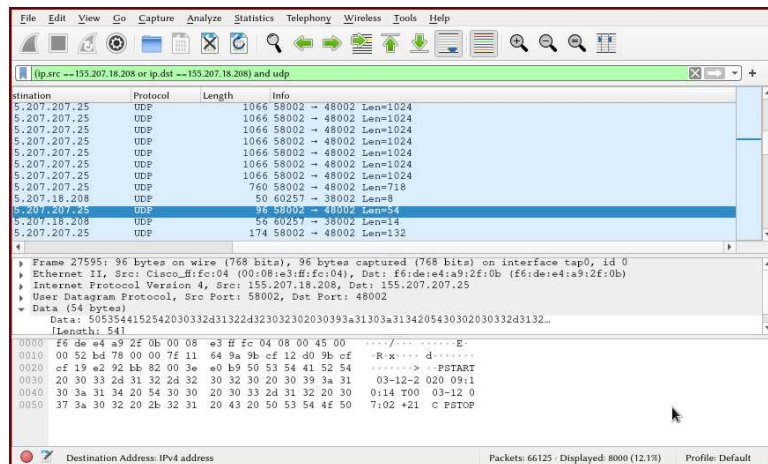
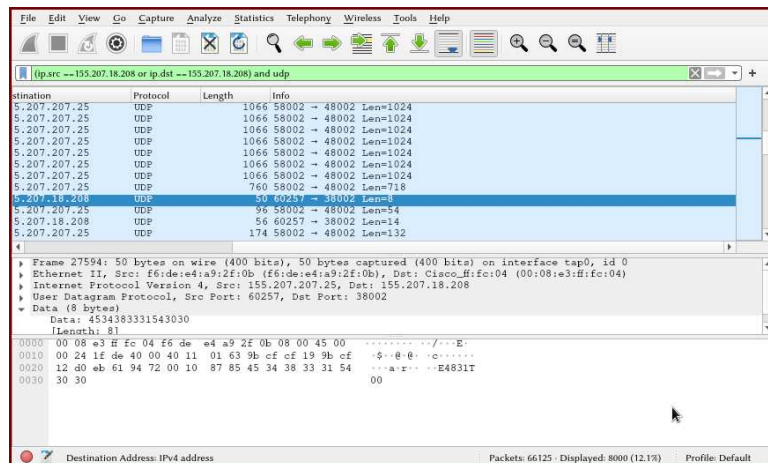
Frame 4174: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface tap0, id 0
Ethernet II, Src: Cisco_Hf:fc:04 (00:08:e3:ff:fc:04), Dst: f6:de:e4:a9:2f:0b (f6:de:e4:a9:2f:0b)
Internet Protocol Version 4, Src: 155.207.18.208, Dst: 155.207.207.25
User Datagram Protocol, Src Port: 38002, Dst Port: 60257
Data (32 bytes)
Length: 32
0000 f6 de e4 a9 2f 0b 08 00 e3 ff 04 08 00 45 00
0010 00 3c b8 98 00 00 7f 11 69 90 9b cf 12 d0 9b cf
0020 c f 19 e2 92 bb 82 00 28 af 33 50 53 54 41 52 54
0030 20 30 33 2d 31 32 2d 32 30 32 30 20 30 39 3a 30
0040 32 3a 30 37 20 50 53 54 4f 50

2. Image



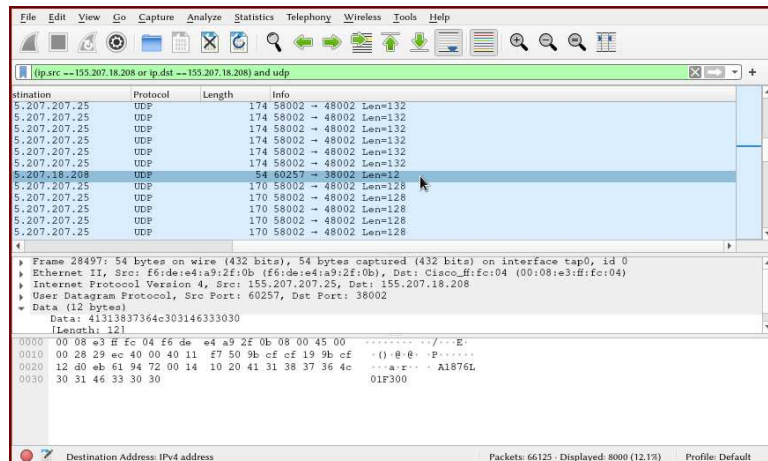
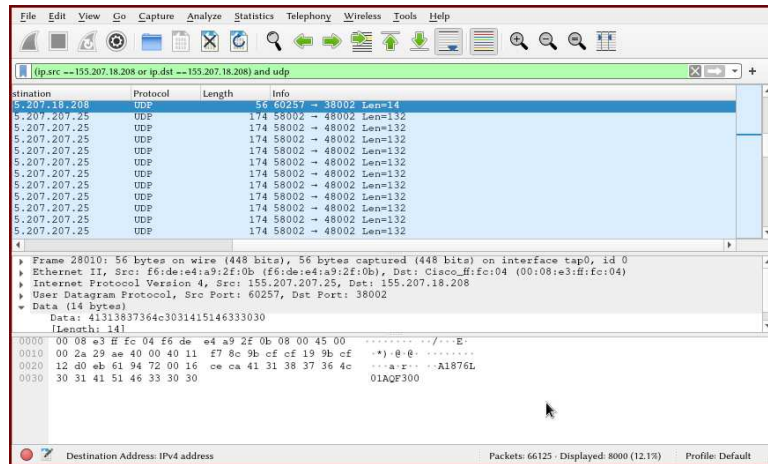
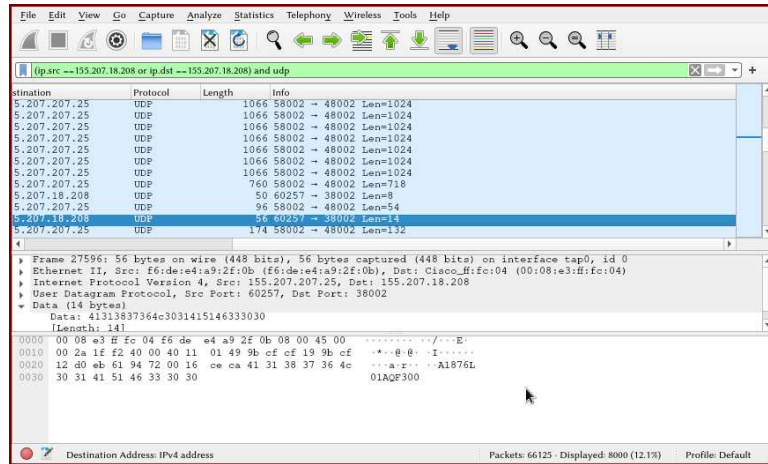


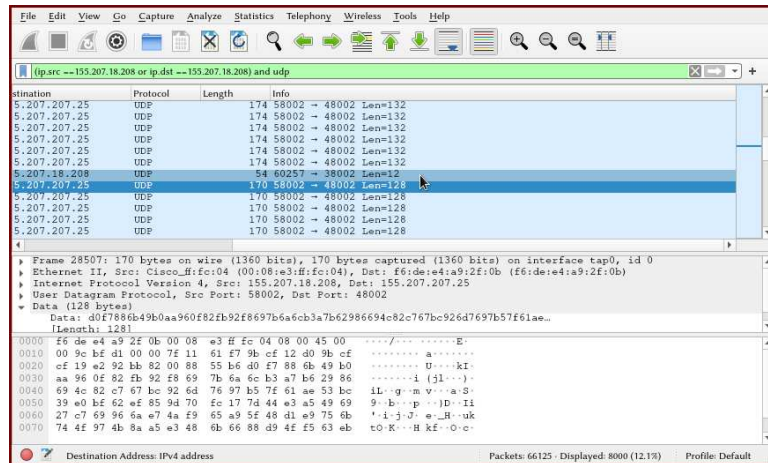
3. Temperatures



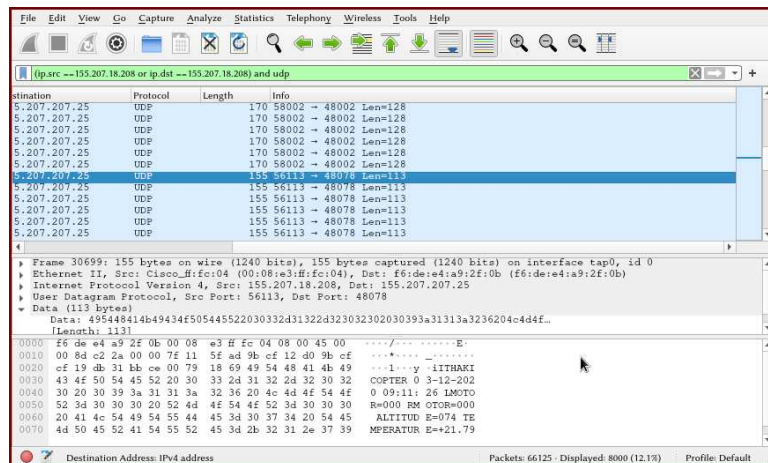
4. Sound

Κατά την εκτέλεση της εφαρμογής μου κατέβασα 2 φορές το τραγούδι 01 και μετά έτρεξα ξεχωριστά το πρόγραμμα μόνο για το τραγούδι 02 το οποίο ξέχασα να καταγράψω.





5. Ithaki Copter



6. Vehicle

Wireshark interface showing a packet capture. The filter is `(ip.src == 155.207.18.208 or ip.dst == 155.207.18.208) and udp`. The packet list shows a UDP packet from 155.207.207.25 to 155.207.18.208. The packet details pane shows the following structure:

- Frame 50374: 57 bytes on wire (456 bits), 57 bytes captured (456 bits) on interface tap0, id 0
- Ethernet II, Src: f6:de:e4:a9:2f:0b (f6:de:e4:a9:2f:0b), Dst: Cisco_H:fc:04 (00:08:e3:fc:04)
- Internet Protocol Version 4, Src: 155.207.207.25, Dst: 155.207.18.208
- User Datagram Protocol, Src Port: 60257, Dst Port: 38002
- Data (15 bytes)
- Data: 56353036394f42443d30312031460d
- Length: 151

The packet bytes pane shows the following hex and ASCII representation:

```
0000  00 08 e3 fc 04 f6 de e4 a9 2f 0b 08 00 45 00  ....E
0010  00 2b 53 fa 40 00 40 11 cd 3f 9b cf cf 19 9b cf  ...3.....
0020  12 d0 eb 61 94 72 00 17 b7 cd 56 35 30 36 39 4f  ...a...V50690
0030  42 44 3d 30 31 20 31 46 0d                      BD=01 1F
```

Wireshark interface showing a packet capture. The filter is `(ip.src == 155.207.18.208 or ip.dst == 155.207.18.208) and udp`. The packet list shows a UDP packet from 155.207.18.208 to 155.207.207.25. The packet details pane shows the following structure:

- Frame 50377: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface tap0, id 0
- Ethernet II, Src: Cisco_H:fc:04 (00:08:e3:fc:04), Dst: f6:de:e4:a9:2f:0b (f6:de:e4:a9:2f:0b)
- Internet Protocol Version 4, Src: 155.207.18.208, Dst: 155.207.207.25
- User Datagram Protocol, Src Port: 58002, Dst Port: 48002
- Data (11 bytes)
- Data: 3431203146203030203030
- Length: 111

The packet bytes pane shows the following hex and ASCII representation:

```
0000  f6 de e4 a9 2f 0b 00 08 e3 fc 04 08 00 45 00  ....E
0010  00 27 ee ae 00 00 7f 11 33 8f 9b cf 12 d0 9b cf  ...3.....
0020  cf 19 e2 92 bb 82 00 13 2d 47 34 31 20 31 46 20  ...G41 1F
0030  30 30 20 30 30 00 00 00 00 00 00 00          00 00 .....
```