

## Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης Πολυτεχνική Σχολή

# Δίκτυα Υπολογιστών ΙΙ

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#### 1 Image

Αξίζει να σημειωθεί, μιας και δεν φαίνεται στα wireshark captures, ότι είχαμε δημιουργήσει ένα custom filter: host 155.207.18.208 and udp το οποίο το επιλέγαμε προτού αρχίσουμε το capturing των πακέτων.

No.	Time	Source	Destination	Protocol Le	ngth	Info			
г	1 2020-11-25 22:44:36.755882097	192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5			
	2 2020-11-25 22:44:39.479950928	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32			
	3 2020-11-25 22:44:39.490131454	192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5			
	4 2020-11-25 22:44:41.863274842	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32			
	5 2020-11-25 22:44:41.864509919	192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5			
1	6 2020-11-25 22:44:42.978898363	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32			
	7 2020-11-25 22:44:42.980298519	192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5			
	8 2020-11-25 22:44:44.182104925	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32			
L	9 2020-11-25 22:44:44.209077362	192.168.1.50	155.207.18.208	UDP	55	48032 → 38032 Len=13			
	10 2020-11-25 22:44:44.446438913	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	11 2020-11-25 22:44:44.483780124	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	12 2020-11-25 22:44:44.522436932	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	13 2020-11-25 22:44:44.560434091	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	14 2020-11-25 22:44:44.599023525	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	15 2020-11-25 22:44:44.636988129	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	16 2020-11-25 22:44:44.675957130	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	17 2020-11-25 22:44:44.714471262	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	18 2020-11-25 22:44:44.753185142	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	19 2020-11-25 22:44:44.790992341	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	20 2020-11-25 22:44:44.829977493	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	21 2020-11-25 22:44:44.868213060	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	22 2020-11-25 22:44:44.906193832	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	23 2020-11-25 22:44:44.945183978	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
	24 2020-11-25 22:44:44.982968702	155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024			
-	Frame 7: 47 bytes on wire (376 bit	s), 47 bytes captured	(376 bits) on interfac	e enp2s0, id	0				
- 1	Ethernet II, Src: HewlettP_96:9d:b	6 (40:b0:34:96:9d:b6)	, Dst: zte_1a:b4:0a (d4	:76:ea:1a:b4	:0a)				
- 1	Internet Protocol Version 4, Src:	192.168.1.50, Dst: 15	5.207.18.208						
- 1	User Datagram Protocol, Src Port:	48032, Dst Port: 3803	2						
*	Data (5 bytes)								
	Data: 4538313432								
	[Length: 5]								
000	0000 d4 76 ea 1a b4 0a 40 b0 34 96 9d b6 08 00 45 00 ·v····@· 4·····E·								
001			!·M@·@· ·····2··						
002		45 38 31 34 32	E8142						

Figure 1: Echo request code

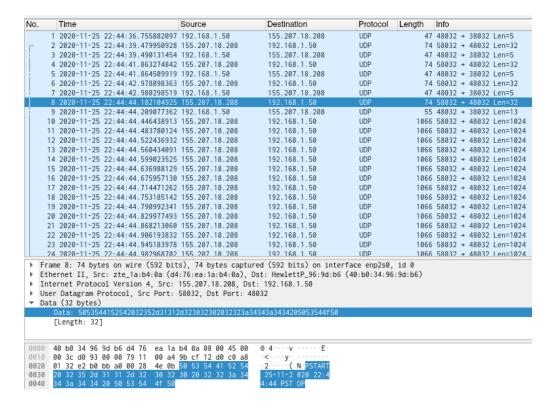


Figure 2: Echo response time

Destination

Protocol Length Info

Source

Time

No.	Time	Source	Destination	Protocol	Length	Into
г 1	2020-11-25 22:44:36.75588209	7 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
1 2	2 2020-11-25 22:44:39.47995092	8 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
3	3 2020-11-25 22:44:39.49013145	4 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
. 4	1 2020-11-25 22:44:41.86327484	2 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
5	2020-11-25 22:44:41.86450991	9 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
. 6	2020-11-25 22:44:42.97889836	3 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
1 7	7 2020-11-25 22:44:42.98029851	9 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
. 8	3 2020-11-25 22:44:44.18210492	5 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
L 9	2020-11-25 22:44:44.20907736	2 192.168.1.50	155.207.18.208			48032 → 38032 Len=13
16	2020-11-25 22:44:44.44643891	3 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
11	2020-11-25 22:44:44.48378012	4 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
12	2 2020-11-25 22:44:44.52243693	2 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
13	3 2020-11-25 22:44:44.56043409	1 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
14	1 2020-11-25 22:44:44.59902352	5 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
15	2020-11-25 22:44:44.63698812	9 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
16	2020-11-25 22:44:44.67595713	0 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
17	7 2020-11-25 22:44:44.71447126	2 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
18	3 2020-11-25 22:44:44.75318514	2 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
19	2020-11-25 22:44:44.79099234	1 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
26	2020-11-25 22:44:44.82997749	3 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
21	2020-11-25 22:44:44.86821306	0 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
22	2 2020-11-25 22:44:44.90619383	2 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
23	3 2020-11-25 22:44:44.94518397	8 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
24	1 2020-11-25 22:44:44.98296870	2 155 207 18 208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
▶ France	me 9: 55 bytes on wire (440 bi	ts), 55 bytes captured	i (440 bits) on interfac	e enp2s0,	id 0	
▶ Eth	ernet II, Src: HewlettP_96:9d:	b6 (40:b0:34:96:9d:b6)	), Dst: zte_1a:b4:0a (d4	:76:ea:1a	:b4:0a)	
▶ Intention	ernet Protocol Version 4, Src:	192.168.1.50, Dst: 15	55.207.18.208			
Use	r Datagram Protocol, Src Port:	48032, Dst Port: 3803	32			
▼ Data	a (13 bytes)					
	Data: 4d343839385544503d313032	234				
	[Length: 13]					
0000	44 7C 1- b4 0- 40 b0 24 00	. 04 PC 00 00 4E 00	v····@· 4·····E·			
	d4 76 ea 1a b4 0a 40 b0 34 96 00 29 f5 64 40 00 40 11 d4 e5		) d@ @ · · · · · 2 · ·			
	00 29 15 64 40 00 40 11		M4898U			
	44 50 3d 31 30 32 34		P=1024			
0030	11 30 30 31 30 32 34		71024			

Figure 3: Image request code

No.	Time	Source	Destination	Protocol	Length	Info
	1 2020-11-25 22:44:	36.755882097 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
г	2 2020-11-25 22:44:	39.479950928 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
	3 2020-11-25 22:44:	39.490131454 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
	4 2020-11-25 22:44:	41.863274842 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
	5 2020-11-25 22:44:	41.864509919 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
	6 2020-11-25 22:44:	42.978898363 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
	7 2020-11-25 22:44:	42.980298519 192.168.1.50	155.207.18.208	UDP	47	48032 → 38032 Len=5
	8 2020-11-25 22:44:	44.182104925 155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
-	9 2020-11-25 22:44:	44.209077362 192.168.1.50	155.207.18.208	UDP	55	48032 → 38032 Len=13
	10 2020-11-25 22:44:	44.446438913 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	11 2020-11-25 22:44:	44.483780124 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	12 2020-11-25 22:44:	44.522436932 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	13 2020-11-25 22:44:	44.560434091 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	14 2020-11-25 22:44:	44.599023525 155.207.18.208	192.168.1.50	UDP		58032 → 48032 Len=1024
	15 2020-11-25 22:44:	44.636988129 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	16 2020-11-25 22:44:	44.675957130 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	17 2020-11-25 22:44:	44.714471262 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	18 2020-11-25 22:44:	44.753185142 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	19 2020-11-25 22:44:	44.790992341 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	20 2020-11-25 22:44:	44.829977493 155.207.18.208	192.168.1.50	UDP		58032 → 48032 Len=1024
	21 2020-11-25 22:44:	44.868213060 155.207.18.208	192.168.1.50	UDP		58032 → 48032 Len=1024
	22 2020-11-25 22:44:	44.906193832 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	23 2020-11-25 22:44:	44.945183978 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
	24 2020-11-25 22:44:	44.982968702 155.207.18.208	192.168.1.50	UDP	1066	58032 → 48032 Len=1024
-	Frame 10: 1066 bytes	on wire (8528 bits), 1066 bytes c	aptured (8528 bits)	on interface e	np2s0, io	1 0
	Ethernet II, Src: zte.	_1a:b4:0a (d4:76:ea:1a:b4:0a), Ds	t: HewlettP_96:9d:b6	(40:b0:34:96:	9d:b6)	
	Internet Protocol Vers	sion 4, Src: 155.207.18.208, Dst:	192.168.1.50			
	User Datagram Protoco:	1, Src Port: 58032, Dst Port: 480	32			
*	Data (1024 bytes)					
	Data: ffd8ffe00010	4a46494600010200000100010000ffdb0	04300080606070605080	7070709		
	[Length: 1024]					
0.00		04.00 0.51 55 10.55 0.00				
002			.2[			
003		02 00  00 01 00 01 00 00 ff db 07 06  05 08 07 07 07 09 09 08	JFIF			
005						
006		24 2e 27 20 22 2c 23 1c 1c 28	····· \$, ' ".#··(			
000		21 20 21 20 22 20 23 10 10 20	φ. ,π (			

Figure 4: Image response data

#### 2 Audio

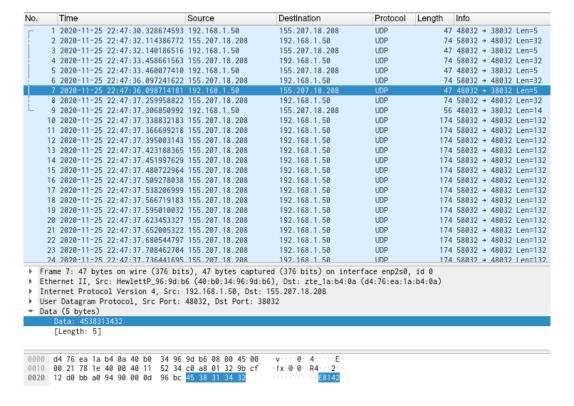


Figure 5: Echo request code

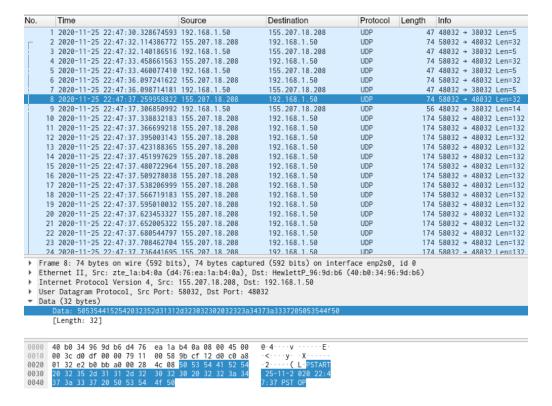


Figure 6: Echo response time

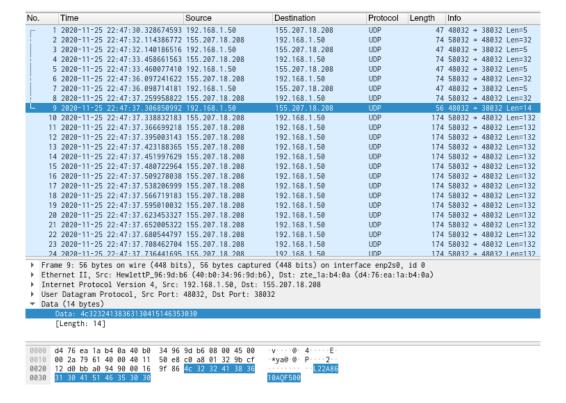


Figure 7: Audio request code

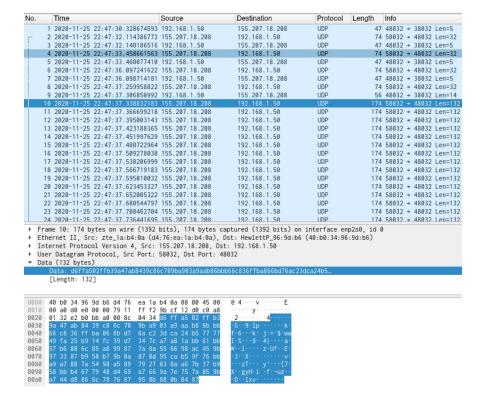


Figure 8: Audio response data

#### 3 Ithakicopter TCP version

No.		Time	Source	Destination	Protocol	Length	Info
	1	2020-11-25 22:53:53.737939459	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
	245	2020-11-25 22:53:54.737944959	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
	489	2020-11-25 22:53:55.738608591	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
г	723	2020-11-25 22:53:56.630779212	192.168.1.50	155.207.18.208	UDP	47	48078 → 38032 Len=5
	724	2020-11-25 22:53:56.647217159	192.168.1.50	155.207.18.208	UDP	47	48078 → 38032 Len=5
	725	2020-11-25 22:53:56.647402453	192.168.1.50	155.207.18.208	UDP	47	48078 → 38032 Len=5
L	726	2020-11-25 22:53:56.647564779	192.168.1.50	155.207.18.208	UDP	47	48078 → 38032 Len=5
	730	2020-11-25 22:53:56.739005990	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
		2020-11-25 22:53:57.738790006		192.168.1.50	UDP		56232 → 48078 Len=113
		2020-11-25 22:53:58.644390499		192.168.1.50	UDP		58032 → 48032 Len=32
		2020-11-25 22:53:58.740137012		192.168.1.50	UDP		56232 → 48078 Len=113
		2020-11-25 22:53:59.738862041		192.168.1.50	UDP		56232 → 48078 Len=113
	15	2020-11-25 22:54:00.667892266	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
		2020-11-25 22:54:00.747674530		192.168.1.50	UDP	155	56232 → 48078 Len=113
		2020-11-25 22:54:01.740014491		192.168.1.50	UDP	155	56232 → 48078 Len=113
	19	2020-11-25 22:54:02.272013586	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
	21	2020-11-25 22:54:02.740138065	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
	23	2020-11-25 22:54:03.324783060	155.207.18.208	192.168.1.50	UDP	74	58032 → 48032 Len=32
	24	2020-11-25 22:54:03.740662854	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
	24	2020-11-25 22:54:04.741231601	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
		2020-11-25 22:54:05.741014193		192.168.1.50	UDP		56232 → 48078 Len=113
		2020-11-25 22:54:06.741427283		192.168.1.50	UDP		56232 → 48078 Len=113
		2020-11-25 22:54:07.742364190		192.168.1.50	UDP		56232 → 48078 Len=113
	33	2020-11-25 22:54:08.743188671	155.207.18.208	192.168.1.50	UDP	155	56232 → 48078 Len=113
F	ram	ne 726: 47 bytes on wire (376 b	its), 47 bytes captur	ed (376 bits) on interf	ace enp2s(	0, id 0	
▶ E	Ethe	rnet II, Src: HewlettP_96:9d:b	6 (40:b0:34:96:9d:b6)	, Dst: zte_1a:b4:0a (d4	:76:ea:1a:	:b4:0a)	
▶ I	Inte	rnet Protocol Version 4, Src:	192.168.1.50, Dst: 15	5.207.18.208			
▶ U	Jser	Datagram Protocol, Src Port:	48078, Dst Port: 3803	2			
₹ D	ata)	(5 bytes)					
	[	Data: 4538313432					
	[	[Length: 5]					
0000				v····@· 4·····E· !··@·@· ·P···2··			
0020		00 21 bf 02 40 00 40 11 0b 50 12 d0 bb ce 94 90 00 0d 96 8e		E8142			
0020	9 I	12 UV DD CE 94 90 00 00 96 8e	40 00 01 04 02	E8142			

Figure 9: Echo request code

```
Destination
                                                 Source
                                                                                                                            Lenath
      2020-11-25 22:53:53.737939459
                                                 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDF
                                                                                                                                    155 56232
                                                                                                                                                    48078 Len=113
 245 2020-11-25 22:53:54.737944959 155.207.18.208
489 2020-11-25 22:53:55.738608591 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 →
                                                                                                                                                    48078 Len=113
                                                                               192.168.1.50
                                                                                                                                                    48078 Len=113
                                                                                                                                    155 56232
                                                                                                              UDP
 723 2020-11-25 22:53:56.630779212 192.168.1.50
724 2020-11-25 22:53:56.647217159 192.168.1.50
                                                                               155.207.18.208
155.207.18.208
                                                                                                              UDP
                                                                                                                                     47 48078 → 38032 Len=5
                                                                                                                                     47 48078 →
                                                                                                              UDP
                                                                                                                                                    38032 Len=5
 725 2020-11-25 22:53:56.647402453 192.168.1.50
726 2020-11-25 22:53:56.647564779 192.168.1.50
                                                                               155.207.18.208
155.207.18.208
                                                                                                              UDP
UDP
                                                                                                                                     47 48078 → 38032 Len=5
47 48078 → 38032 Len=5
 730 2020-11-25 22:53:56.739005990 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
 917 2020-11-25 22:53:57.738790006 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
 11... 2020-11-25 22:53:58.740137012 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                    155 56232 → 48078 Len=113
  13... 2020-11-25 22:53:59.738862041 155.207.18.208
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
                                                                               192.168.1.50
192.168.1.50
 15... 2020-11-25 22:54:00.667892266 155.207.18.208
                                                                                                              UDP
                                                                                                                                     74 58032 → 48032 Len=32
 15... 2020-11-25 22:54:00.747674530 155.207.18.208
                                                                                                              UDP
                                                                                                                                    155 56232 →
                                                                                                                                                    48078 Len=113
 17... 2020-11-25 22:54:01.740014491 155.207.18.208
19... 2020-11-25 22:54:02.272013586 155.207.18.208
                                                                               192.168.1.50
192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
                                                                                                              UDP
                                                                                                                                     74 58032 →
                                                                                                                                                    48032 Len=32
 21... 2020-11-25 22:54:02.740138065 155.207.18.208
23... 2020-11-25 22:54:03.324783060 155.207.18.208
                                                                                                              UDP
UDP
                                                                                                                                   155 56232 →
74 58032 →
                                                                                                                                                   48078 Len=113
48032 Len=32
                                                                               192.168.1.50
                                                                               192.168.1.50
 24... 2020-11-25 22:54:03.740662854 155.207.18.208
24... 2020-11-25 22:54:04.741231601 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 →
                                                                                                                                                    48078 Len=113
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
                                                                               192.168.1.50
 27... 2020-11-25 22:54:05.741014193 155.207.18.208
27... 2020-11-25 22:54:06.741427283 155.207.18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
                                                                                                              UDP
                                                                               192.168.1.50
                                                                                                                                   155 56232 → 48078 Len=113
 31... 2020-11-25 22:54:07.742364190 155.207.18.208
33... 2020-11-25 22:54:08.743188671 155.207 18.208
                                                                               192.168.1.50
                                                                                                              UDP
                                                                                                                                   155 56232 → 48078 Len=113
Frame 1099: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface enp2s0, id 0
Ethernet II, Src: zte_la:b4:0a (d4:76:ea:la:b4:0a), Dst: HewlettP_96:9d:b6 (40:b0:34:96:9d:b6)
Internet Protocol Version 4, Src: 155.207.18.208, Dst: 192.168.1.50
User Datagram Protocol, Src Port: 58032, Dst Port: 48032
Data (32 bytes)
     [Length: 32]
    40 b0 34 96 9d b6 d4 76
00 3c 6d 6c 00 00 79 11
                                       ea 1a b4 0a 08 00 45 00
63 cb 9b cf 12 d0 c0 a8
                                                                             32 e2 b0 bb a0 00 28
                                       4e 05
```

Figure 10: Echo response time

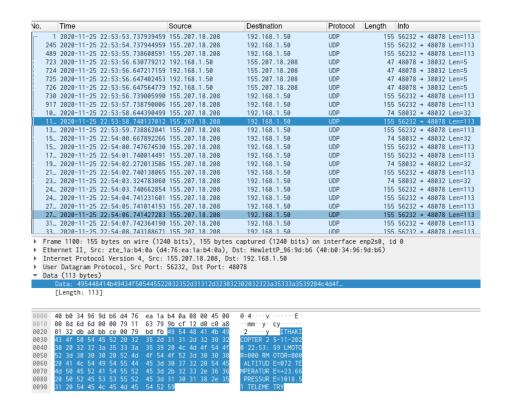


Figure 11: Copter output stream

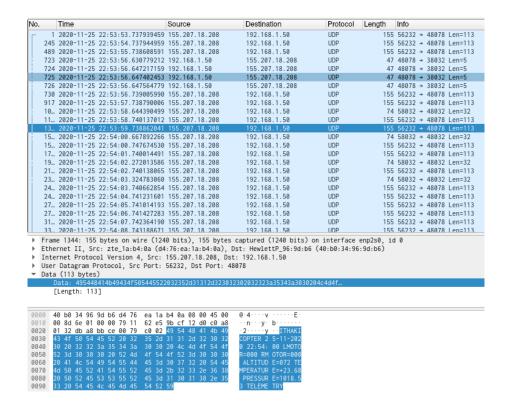


Figure 12: Copter input stream

### 4 Car fault diagnostics

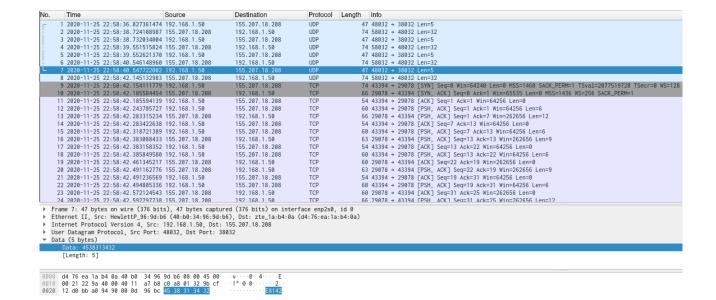


Figure 13: Echo request code

Figure 14: Echo response time

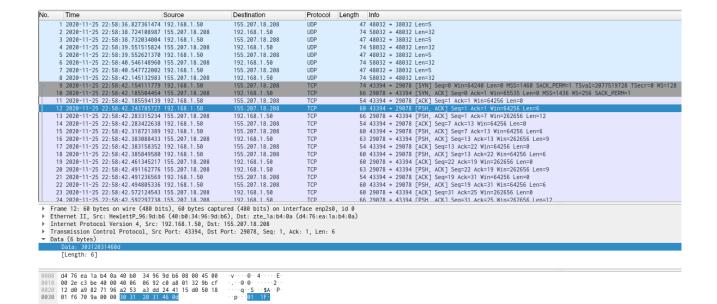


Figure 15: Vehicle output stream

No.	Time	Source	Destination	Protocol	Length Info
	1 2020-11-25 22:58:36.827361474	192.168.1.50	155.207.18.208	UDP	47 48032 → 38032 Len=5
	2 2020-11-25 22:58:38.724108987	155.207.18.208	192.168.1.50	UDP	74 58032 → 48032 Len=32
	3 2020-11-25 22:58:38.732034004	192.168.1.50	155.207.18.208	UDP	47 48032 → 38032 Len=5
	4 2020-11-25 22:58:39.551515824	155.207.18.208	192.168.1.50	UDP	74 58032 → 48032 Len=32
	5 2020-11-25 22:58:39.552621370	192.168.1.50	155.207.18.208	UDP	47 48032 → 38032 Len=5
	6 2020-11-25 22:58:40.546148960	155.207.18.208	192.168.1.50	UDP	74 58032 → 48032 Len=32
	7 2020-11-25 22:58:40.547722002	192.168.1.50	155.207.18.208	UDP	47 48032 → 38032 Len=5
	8 2020-11-25 22:58:42.145132983	155.207.18.208	192.168.1.50	UDP	74 58032 → 48032 Len=32
	9 2020-11-25 22:58:42.154111779	192.168.1.50	155.207.18.208	TCP	74 43394 → 29078 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=2077519728 TSecr=0 WS=128
1	0 2020-11-25 22:58:42.185504454	155.207.18.208		TCP	66 29078 → 43394 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1436 WS=256 SACK_PERM=1
1	11 2020-11-25 22:58:42.185594139	192.168.1.50		TCP	54 43394 → 29078 [ACK] Seq=1 Ack=1 Win=64256 Len=0
+ 1	12 2020-11-25 22:58:42.243785727	192.168.1.50		TCP	60 43394 → 29078 [PSH, ACK] Seq=1 Ack=1 Win=64256 Len=6
	3 2020-11-25 22:58:42.283315234				66 29078 → 43394 [PSH, ACK] Seq=1 Ack=7 Win=262656 Len=12
1	4 2020-11-25 22:58:42.283422638	192.168.1.50	155.207.18.208	TCP	54 43394 → 29078 [ACK] Seq=7 Ack=13 Win=64256 Len=0
1 1	15 2020-11-25 22:58:42.318721389	192.168.1.50	155.207.18.208	TCP	60 43394 → 29078 [PSH, ACK] Seq=7 Ack=13 Win=64256 Len=6
	6 2020-11-25 22:58:42.383088433			TCP	63 29078 → 43394 [PSH, ACK] Seq=13 Ack=13 Win=262656 Len=9
1	17 2020-11-25 22:58:42.383158352	192.168.1.50		TCP	54 43394 → 29078 [ACK] Seq=13 Ack=22 Win=64256 Len=0
1	18 2020-11-25 22:58:42.385849580	192.168.1.50	155.207.18.208	TCP	60 43394 → 29078 [PSH, ACK] Seq=13 Ack=22 Win=64256 Len=6
1	19 2020-11-25 22:58:42.461345217	155.207.18.208		TCP	60 29078 → 43394 [ACK] Seq=22 Ack=19 Win=262656 Len=0
	20 2020-11-25 22:58:42.491162776			TCP	63 29078 → 43394 [PSH, ACK] Seq=22 Ack=19 Win=262656 Len=9
	21 2020-11-25 22:58:42.491236569	192.168.1.50		TCP	54 43394 → 29078 [ACK] Seq=19 Ack=31 Win=64256 Len=0
	22 2020-11-25 22:58:42.494805336	192.168.1.50	155.207.18.208	TCP	60 43394 → 29078 [PSH, ACK] Seq=19 Ack=31 Win=64256 Len=6
1 2	23 2020-11-25 22:58:42.572124543	155.207.18.208	192.168.1.50	TCP	60 29078 → 43394 [ACK] Seq=31 Ack=25 Win=262656 Len=0
	24 2020-11-25 22:58:42.592297738	155.207.18.208	192.168.1.50	TCP	66 29078 → 43394 FPSH ACK1 Sec=31 Ack=25 Win=262656 Len=12
Fr	ame 13: 66 bytes on wire (528 bi	ts), 66 bytes captured	d (528 bits) on interfa	ce enp2s0	0, id 0
▶ Et	hernet II, Src: zte_1a:b4:0a (d4	:76:ea:1a:b4:0a), Dst	: HewlettP_96:9d:b6 (40	:b0:34:96	6:9d:b6)
▶ In	ternet Protocol Version 4, Src:	155.207.18.208, Dst: 1	192.168.1.50		
→ Tr	ansmission Control Protocol, Src	Port: 29078, Dst Port	t: 43394, Seq: 1, Ack:	7, Len: 1	12
▼ Da	ta (12 bytes)				
	Data: 34312031462030302030300d				
	[Length: 12]				
0000	40 b0 34 96 9d b6 d4 76 ea 1a		-4E-		
	00 34 0b 49 40 00 79 06 86 01		4 · I@ · y · · · · · · · · · · · · · · · · ·		
	01 32 71 96 a9 82 24 41 15 d0 04 02 84 f3 00 00 34 31 20 31		2q · · · \$A · · · S · · P · · · · · · 41 1F 00 0		
	30 0d	40 20 30 30 20 30	. 41 11 00 0		
0040	30 00	U	•		

Figure 16: Vehicle input stream